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# Petroleum Supply Monthly

## June 1998

### With Data for April 1998

**Energy Information Administration**
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| Wednesday 5:00 p.m.<br>6th-12th (monthly) | EPUB/WWW | Table H1 (Petroleum Supply Summary) |
| Thursday by Noon (weekly) | COGIS | Table 1 (U.S. Balance Sheet) and<br>Table 14 (Most recent 5-weeks) |
| Thursday by Noon<br>7th-13th (monthly) | COGIS | Table H1 (Petroleum Supply Summary) |
| ***Winter Fuels Report*** (October through March) | | |
| Wednesday 5:00 p.m. (weekly) | EPUB/WWW | All tables and highlights |
| Thursday by Noon (weekly) | COGIS | All tables and highlights |
| ***Propane Data*** (April through September) | | |
| Second Wednesday of the month (9:00 a.m.) | EPUB/WWW | Propane Stocks |
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| 23rd-26th (monthly) | EPUB/WWW | Table H1 (Petroleum Supply Summary) and<br>all Summary Statistics and Detailed Statistics Tables |
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| ***Petroleum Supply Annual*** | WWW | All tables and data bases |
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| 15 working days after the report month | EPUB/WWW | Table D1 U.S. Summary<br>Table D2 (Fuel Ethanol Production/Stocks) and<br>Table D3 (MTBE Production/Stocks)<br>Table D4 (MTBE Merchant and Captive) |
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*Petroleum Marketing Monthly*, updated by the 8th of the month
*Winter Fuels Report*, propane and distillate highlights and distillate data updated Wednesday at 5:00 p.m. All other data updated Thursday at 5:00 p.m. (October through March)
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*Monthly Energy Review*, updated the last week of the month
*Short Term Energy Outlook*, updated 60 days after the end of the quarter

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# Preface

The *Petroleum Supply Monthly* (PSM) is one of a family of four publications produced by the Petroleum Supply Division within the Energy Information Administration (EIA) reflecting different levels of data timeliness and completeness. The other publications are the *Weekly Petroleum Status Report* (WPSR), the *Winter Fuels Report*, and the *Petroleum Supply Annual* (PSA).

Data presented in the *PSM* describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Data presented in the *PSM* are divided into two sections: Summary Statistics and Detailed Statistics.

### Summary Statistics

The tables and figures in the Summary Statistics section of the *PSM* present a time series of selected petroleum data on a U.S. level. Most time series include preliminary estimates for one month based on the Weekly Petroleum Supply Reporting System; statistics based on the most recent data from the Monthly Petroleum Supply Reporting System (MPSRS); and statistics published in prior issues of the *PSM* and *PSA*.

### Detailed Statistics

The Detailed Statistics tables of the *PSM* present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

### Appendices

Four appendices are provided to assist in understanding and interpreting the data presented in this publication:

- Appendix A (District Descriptions and Maps) -Geographic aggregations of the 50 States and the District of Columbia into Refining Districts which make up the PAD Districts.
- Appendix B (Detailed Statistics Explanatory Notes) - Information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables.
- Appendix C (Impact of Resubmissions) - Information on revisions to published statistics caused by resubmission of respondent survey forms.
- Appendix D (EIA-819M, Monthly Oxygenate Telephone Report) - Preliminary information on production and stocks of fuel ethanol and methyl tertiary butyl ether (MTBE) by PAD District. Data are collected from a sample of respondents reporting on the MPSRS surveys. Data are also published in the *WPSR* and are available electronically approximately 15 working days after the end of the month.

Industry terminology and product definitions are listed alphabetically in the Glossary. Final statistics for the data series published in the *PSM*, as well as additional data from the annual refinery and oxygenate capacity surveys are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

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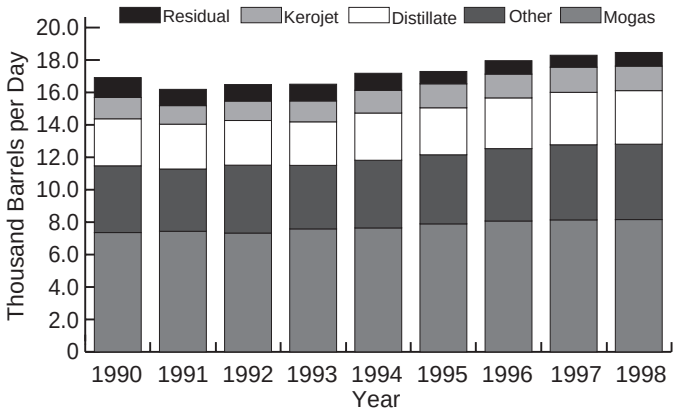
EIA Corrects Errors in It's Drilling Activity Estimates Series ..... March 1998

# Highlights

The combination of a strong economy, mild weather and increased personal incomes led to a **May record level of demand** for refined petroleum products. Total demand in May 1998[1] for refined petroleum products (measured as products supplied) averaged 18.5 million barrels per day (Table H1 & Figure H1). Temperatures across the U.S. were unusually cool for the month. Nationally, temperatures in May averaged 31.6 percent cooler than normal and 83.8 percent cooler than this time last year.[2] In Alan Greenspan's recent testimony on the state of the economy before Congress' Joint Economic Committee, he noted that despite the economic problems abroad the U.S. economy continues to expand at a robust rate.[3]

**Figure H1. Total Demand, 1990-Current, Comparison in May for Products**

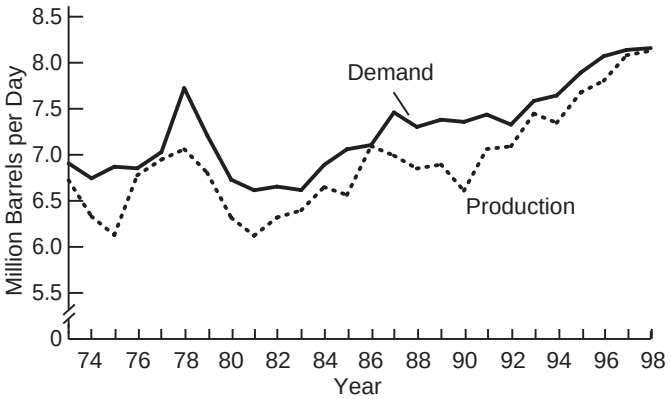



Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

May 1998 highlights include:

- To start off the summer driving season **demand** for finished motor gasoline set a **record high for May**, averaging 8.2 million barrels per day. **Production** of finished motor gasoline also set a record for the month at 8.1 million barrels per day. By the end of May, finished motor gasoline **stocks** totaled 169.9 million barrels.
- **Production** of distillate fuel oil set a **new high** for the month, averaging 3.6 million barrels per day. **Demand** also reached **a record level** for the month at an average of 3.3 million barrels per day. Distillate fuel oil **stocks** totaled 131 million barrels by the end of the month, **the highest level for May since 1981**.
- **Demand** for residual fuel oil remained relatively strong, averaging 842 thousand barrels per day. Residual fuel oil **exports** reached an average of 118 thousand barrels per day.
- Both **production** and **demand** for kerosene-type jet fuel were near the record highs for the month, each averaging 1.5 million barrels per day. **Stocks** of kerosene-type jet fuel ended the month at the highest level ever for May totaling 43.3 million barrels.
- Propane **stocks** ended the month at 51.8 million barrels, **the highest level for the month since 1982.**
- **Production** of crude oil averaged 6.4 million barrels, the lowest level for May in 40 years. Crude oil **imports** were just shy of the record for the month, averaging 8.6 million barrels per day. **Exports** were in the upper range for this time of year at an average of 104 thousand barrels per day. Crude oil **stocks** ended the month up more than 20 million barrels compared to this time last year.

**Figure H2. Finished Motor Gasoline, Year-to-Year May Comparisons, 1973-1998**




Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

## Motor Gasoline

**Demand** for finished motor gasoline set a **record high for May** at an average of 8.2 million barrels per day, thanks to low gas prices, a strong economy, and the popularity of larger, less fuel efficient vehicles (Figure H2). Retail prices of conventional motor gasoline during May averaged only 108.5 cents per gallon (including taxes), nearly 14 cents below this time last year (Figure H3).[4] **Production** of finished motor gasoline also set a **record high for May**, averaging 8.1 million barrels per day. Refineries have been focusing on motor gasoline production as margins have remained solid,[5] providing additional incentive to maximize production along with the upcoming anticipated growth in seasonal demand. During May, **exports** of finished motor gasoline averaged 97 thousand barrels per day, which falls in the upper limits of the normal seasonal range. Finished motor gasoline **imports** were normal for the month averaging 339 thousand barrels per day. **Stocks** of finished motor gasoline ended

[1]May 1998 data are monthly-from-weekly estimates based on the Energy Information Administration's Weekly Petroleum Supply Reporting System.

[2]Cooling Degree Day Data Monthly Summary, Monthly Data for May 1998", *National Oceanic Atmospheric Administration*, accessible via the Internet at http://nic.fb4.noaa.gov.

[3]The Economic Outlook and Monetary Policy: Hearings before the Joint Economic Committee of the U.S. Congress, 105th Cong., 2d Sess. (June 10, 1998) (testimony of Chairman Alan Greenspan).

[4]"U.S. Retail Motor Gasoline and On-Highway Diesel Fuel Prices, 1997 to Present", Energy Information Administration, *Weekly Petroleum Status Report*, May 29, 1998, p. 27.

[5]"U.S. East Coast Oil Products: Prices Fall; PDVSA Strike Averted", *Bloomberg Oil Buyer's Guide*, May 8, 1998.

## Table H1. Petroleum Supply Summary
(Million Barrels per Day, Except Where Noted)

| Category | 1998 | | | 1997 | January - May | |
|---|---|---|---|---|---|---|
| | Estimated May | April | Difference[a] | May | 1998 | 1997 |
| **Products Supplied** | 18.5 | 18.6 | -0.2 | 18.3 | 18.4 | 18.3 |
| Finished Motor Gasoline | 8.2 | 8.1 | (s) | 8.1 | 7.9 | 7.8 |
| Distillate Fuel Oil | 3.3 | 3.4 | -0.1 | 3.2 | 3.5 | 3.5 |
| Residual Fuel Oil | 0.8 | 1.0 | -0.1 | 0.7 | 0.8 | 0.8 |
| Jet Fuel | 1.5 | 1.6 | -0.1 | 1.6 | 1.5 | 1.6 |
| Other Petroleum Products[b] | 4.6 | 4.5 | 0.1 | 4.6 | 4.6 | 4.6 |
| **Crude Oil Inputs** | 15.2 | 15.0 | 0.3 | 15.1 | 14.6 | 14.1 |
| **Operating Utilization Rate (%)** | 98.3 | 97.3 | 1.0 | 98.6 | 95.6 | 93.4 |
| **Imports** | 10.5 | 10.4 | 0.1 | 10.8 | 10.0 | 10.0 |
| **Crude Oil** | 8.6 | 8.5 | 0.1 | 8.7 | 8.2 | 7.9 |
| Strategic Petroleum Reserve | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other | 8.6 | 8.5 | 0.1 | 8.7 | 8.2 | 7.9 |
| **Products** | 2.0 | 1.9 | 0.1 | 2.2 | 1.8 | 2.2 |
| Finished Motor Gasoline | 0.3 | 0.3 | 0.1 | 0.4 | 0.3 | 0.3 |
| Distillate Fuel Oil | 0.2 | 0.2 | (s) | 0.2 | 0.2 | 0.3 |
| Residual Fuel Oil | 0.2 | 0.2 | -0.1 | 0.2 | 0.2 | 0.2 |
| Jet Fuel | 0.1 | 0.1 | (s) | 0.1 | 0.1 | 0.1 |
| Other Petroleum Products[c] | 1.2 | 1.2 | (s) | 1.3 | 1.0 | 1.2 |
| **Exports** | 0.9 | 1.0 | -0.1 | 0.9 | 1.0 | 1.0 |
| Crude Oil | 0.1 | 0.2 | -0.1 | (s) | 0.2 | 0.1 |
| Products | 0.8 | 0.9 | (s) | 0.9 | 0.8 | 0.8 |
| **Total Net Imports** | 9.6 | 9.4 | 0.2 | 9.9 | 9.0 | 9.1 |
| **Stock Change[d]** | 1.1 | 0.9 | 0.2 | 1.4 | 0.6 | 0.4 |
| Crude Oil | 0.1 | 0.5 | -0.4 | 0.2 | 0.3 | 0.3 |
| Products | 1.0 | 0.4 | 0.6 | 1.2 | 0.2 | 0.1 |
| **Total Stocks (million barrels)** | 1,632 | 1,614 | 18 | 1,561 | -- | -- |
| **Crude Oil** | 910 | 915 | -5 | 890 | -- | -- |
| Strategic Petroleum Reserve | 563 | 563 | 0 | 563 | -- | -- |
| Other | 347 | 351 | -5 | 326 | -- | -- |
| **Products** | 722 | 699 | 23 | 671 | -- | -- |
| Finished Motor Gasoline | 170 | 168 | 2 | 158 | -- | -- |
| Distillate Fuel Oil | 131 | 126 | 5 | 108 | -- | -- |
| Residual Fuel Oil | 38 | 39 | -1 | 39 | -- | -- |
| Jet Fuel | 43 | 41 | 2 | 41 | -- | -- |
| Other Petroleum Products[c] | 340 | 325 | 15 | 325 | -- | -- |

[a] Difference is equal to volume for current month minus volume for previous month.
[b] Includes crude oil product supplied, natural gas liquids, liquefied refinery gases (LRG's), other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and jet fuel.
[c] Includes natural gas liquids, liquefied refinery gases (LRG's), other liquids, and all finished petroleum products except motor gasoline, jet fuel, distillate fuel oil, and residual fuel oil.
[d] A negative number indicates a decrease in stocks and a positive number indicates an increase.
(s) = Less than 0.05 million barrels per day, or less than 0.05 percent, or less than 0.5 million barrels.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA), 1996, *Petroleum Supply Annual*, Volume II; appropriate issues of the *Petroleum Supply Monthly* and the *Weekly Petroleum Status Report*.

Data for the current month are preliminary estimates, based on weekly submissions. For an explanation of estimation methodology and accuracy, see Appendix A of *Weekly Petroleum Status Report* and the article, "Accuracy of Petroleum Supply Data", published in the December 1997, *Petroleum Supply Monthly.*

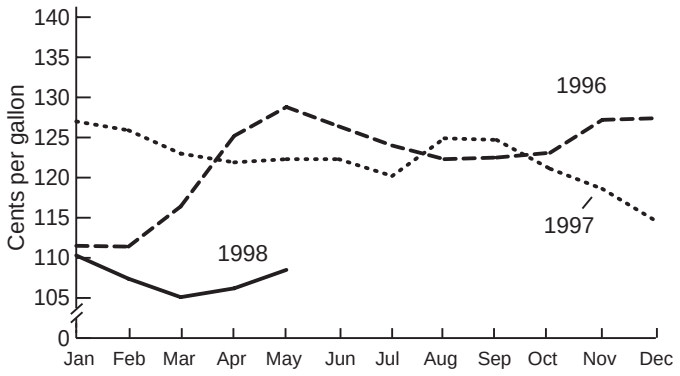
**Table H2. U.S. Refinery Inputs, Capacities and Utilization Rates: 1997-1998**
(Thousand Barrels per Day, Except Where Noted)

| Item | Jan | Feb | Mar | April | May | June | July | Aug | Sept | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1997** | | | | | | | | | | | | |
| Gross Refinery Inputs | 13,771 | 13,601 | 14,156 | 14,465 | 15,232 | 15,300 | 15,190 | 15,465 | 15,533 | 15,127 | 14,939 | 15,188 |
| Operating Refinery Capacity[2] | 15,168 | 15,205 | 15,233 | 15,229 | 15,449 | 15,461 | 15,462 | 15,452 | 15,464 | 15,464 | 15,452 | 15,424 |
| **Idle Capacity[3]** | **284** | **247** | **399** | **387** | **167** | **177** | **177** | **189** | **139** | **139** | **150** | **204** |
| Idle Three Months or Less | 197 | 160 | 220 | 180 | 0 | 10 | 10 | 22 | 12 | 12 | 12 | 66 |
| Idle More than Three Months | 87 | 87 | 179 | 207 | 167 | 167 | 167 | 167 | 127 | 127 | 139 | 139 |
| Operable Refinery Capacity | 15,452 | 15,452 | 15,632 | 15,616 | 15,616 | 15,638 | 15,639 | 15,641 | 15,602 | 15,602 | 15,602 | 15,628 |
| Utilization Rate (percent) | | | | | | | | | | | | |
| Operating Capacity | 90.8 | 89.5 | 92.9 | 95.0 | 98.6 | 99.0 | 98.2 | 100.1 | 100.4 | 97.8 | 96.7 | 98.5 |
| Operable Capacity | 89.1 | 88.0 | 90.6 | 92.6 | 97.5 | 97.8 | 97.1 | 98.9 | 99.6 | 97.0 | 95.7 | 97.2 |
| **1998** | | | | | | | | | | | | |
| Gross Refinery Inputs | 14,655 | 14,340 | 14,851 | 15,170 | | | | | | | | |
| Operating Refinery Capacity[2] | 15,538 | 15,555 | 15,547 | 15,587 | | | | | | | | |
| **Idle Capacity[3]** | **167** | **158** | **184** | **144** | | | | | | | | |
| Idle Three Months or Less | 41 | 20 | 46 | 0 | | | | | | | | |
| Idle More than Three Months | 127 | 138 | 138 | 144 | | | | | | | | |
| Operable Refinery Capacity | 15,705 | 15,713 | 15,732 | 15,732 | | | | | | | | |
| Utilization Rate (percent) | | | | | | | | | | | | |
| Operating Capacity | 94.3 | 92.2 | 95.5 | 97.3 | | | | | | | | |
| Operable Capacity | 93.3 | 91.3 | 94.4 | 96.4 | | | | | | | | |

[1]Capacities are on a calendar day basis.
[2]Operating capacity equals the operable capacity less the total idle capacity.
[3] Idle capacity is the component of operable capacity that is not in operation and not under active repair, but is capable of being placed in operation within 30 days; and capacity not in operation but is under active repair that can be completed within 90 days.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA), 1997, *Petroleum Supply Annual*, Volume 2, Table 16; EIA, *Petroleum Supply Monthly,* 1998 data issue, Table 28.

the month at 169.9 million barrels, **an increase of nearly 12 million barrels compared to last May**. Total motor gasoline stocks, including blending components, ended the month at the highest level for May since 1993, totaling 218.8 million barrels. Again, favorable margins attributed not only to higher production of refined products, but increases in stocks as well.[6]

**Figure H3. Prices for Conventional Motor Gasoline (including taxes), 1996-current**



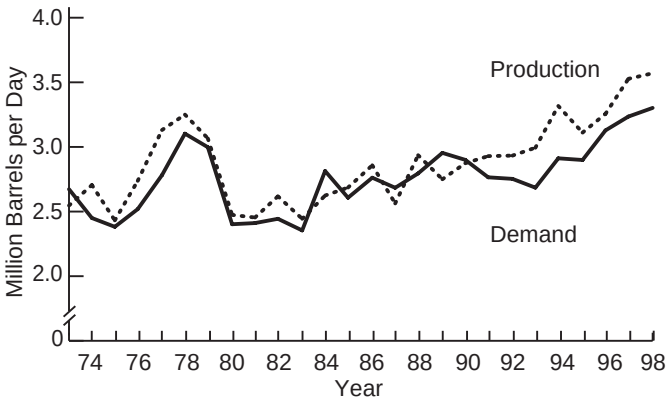

Source: Energy Information Administration, *Weekly Petroleum Status Report,* DOE/EIA-0208 (various issues).

# Distillate Fuel Oil

At 3.3 million barrels per day distillate fuel oil **demand was at a record pace for this time of year**. Increases seen in rail freight traffic during the month[7] continue to reflect on the strong transportation demand due to the robust economy. Setting another May record, **production** of distillate fuel oils averaged 3.6 million barrels per day (Figure H4). **Imports** and **exports** of distillate fuel oils were within their normal seasonal ranges, averaging 180 thousand barrels per day and 175 thousand barrels per day respectively. **Stocks** of distillate fuel oils totaled 131 million barrels, more than 22 million barrels above last year's level and the highest level for the month since 1981. Stocks of low sulfur distillate fuel oil, typically for on-highway fuel use, made up slightly more than half of the total at 66.2 million barrels.

[6]"Mild Short-Covering Trims Weekly Crude, Gas Futures Losses", *The Oil Daily*, May 26, 1998, p. 2 & 3.
[7]"U.S. Rail Freight Traffic Up In May", *Association of American Railroads*, June 4, 1998, accessible via the Internet at http://www.aar.org.

**Figure H4. Distillate, Year-to-Year May Comparisons, 1973-1998**

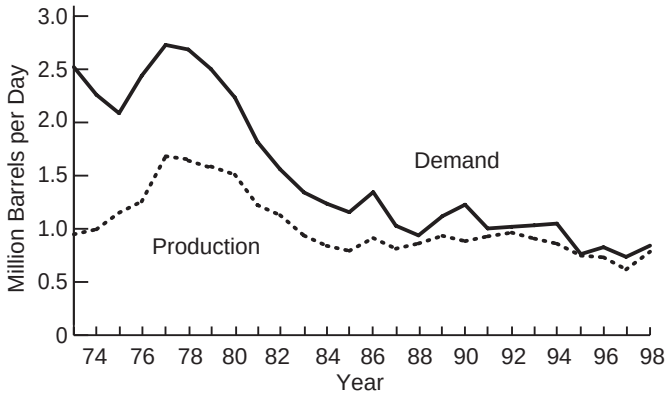



Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

# Residual Fuel Oil

Both production and demand for residual fuel reached their highest levels for the month in several years (Figure H5). **Production** of residual fuel oil averaged 785 thousand barrels per day. **When compared to last May, that's an increase of 167 thousand barrels per day**. **Demand** for residual fuel oil averaged 842 thousand barrels per day, which is **an increase of more than 14 percent compared to last May**. Along the Gulf Coast and in New England, utilities with the ability to burn resid have been doing so for power generation due to the favorable price difference between resid and natural gas.[8] **Exports** of residual fuel oil in May averaged an impressive 118 thousand barrels per day, while **imports** were normal at 170 thousand barrels per day. The unusually high level of exports can be attributed to the more than usual buying by Venezuela and Mexico. Venezuela has been buying up cargoes to lend support to resid prices which in turn effect their price formulas for their heavy oils, while Mexico has needed the fuel for power generation requirements.[9] **Stocks** ended the month at a total of 38.4 million barrels. A slight decline from last year's level.

**Figure H5. Residual, Year-to-Year May Comparisons, 1973-1998**

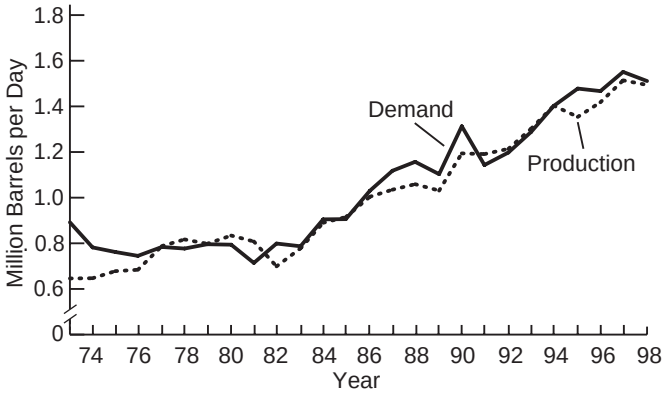



Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

# Kerosene-Type Jet Fuel

Although neither production of nor demand for kerosene-type jet fuel set a record for the month, both were at near record levels for May (Figure H6). Kerosene-type jet fuel **production** and **demand** each averaged a robust 1.5 million barrels per day, only slightly less than the May records for their respective product supply types. During the month **exports** of kerosene-type jet fuel averaged 31 thousand barrels per day, the highest level for this time of year since 1993. **Imports** were within their normal seasonal range at 98 thousand barrels per day. **Stocks** ended the month at a record level for May, 43.3 million barrels, **an increase of 5.7 percent verses the prior high set last year**.

**Figure H6. Kerojet, Year-to-Year May Comparisons, 1973-1998**




Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

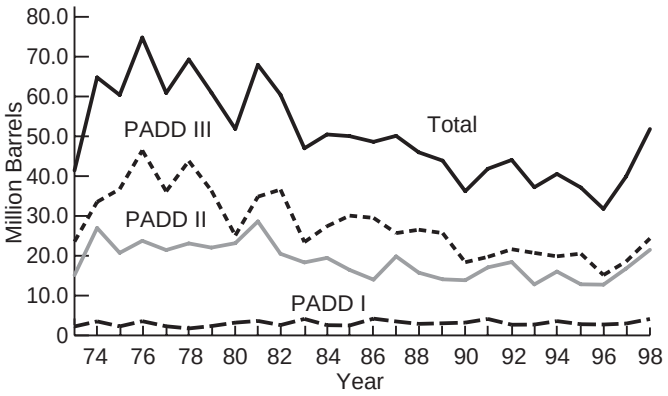
# Propane

Propane inventories went through a **record build of 14.7 million barrels** to end the month at 51.8 million barrels, the highest level for May since 1982 (Figure H7). Regionally, propane inventories were significantly higher across the U.S. Inventories in the Gulf Coast and Midwest each increased by more than 6 million barrels, ending the month at 24.4 million barrels and 21.5 million barrels respectively. On the East Coast propane stocks ended the month at 4.1 million barrels, a build of nearly 900 thousand barrels. At these levels inventories in all of the major regions were significantly above their respective normal ranges for this time of year.

So far the seasonal stock build through May is nearly 65 percent of the overall build during a typical build season. A combination of factors were responsible for the record stock builds during the past several months: high levels of gas plant and refinery production, apparent strong imports into the Gulf Coast and Midwest regions, and weakening demand in the petrochemical sector.

[8]"Temptingly Low Natural Gas Prices May Push Power Generators to Switch Away From Resid", *The Oil Daily*, June 9, 1998, p. 3.
[9]"High Stocks Cap Light Products, Resid Shows Strength", *Oil Market Intelligence*, May 1998, p. 8 & 9.

**Figure H7. Propane Stocks Year-to-Year May Comparsions, 1973-1998**



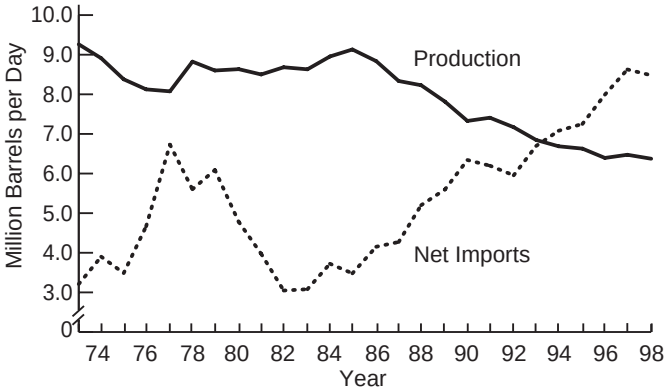

Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

# Crude Oil

Alaskan field production averaged 1.2 million barrels per day while domestic **production** of crude oil averaged 6.4 million barrels per day in May. Field production of Alaskan crude oil dropped to the **lowest level for any month since March 1978** while domestic production reached the lowest level for May since 1958. One factor contributing to the decrease in production has been low crude oil prices, forcing some marginal wells to become idle and some independent producers to shut the taps as production is not profitable.[10] Surprisingly, **imports** of crude oil did not reach a record level for the month. Crude oil imports averaged 8.6 million barrels per day, only 69 thousand barrels per day below the record for this time of year. Crude oil **exports** were unusually high for this time of year averaging 104 thousand barrels per day, leaving net imports in May at 8.5 million barrels per day. Net imports of crude oil, one measure of U.S. dependence on foreign oil, was less than 150 thousand barrels per day from the May record set last year (Figure H8).

Crude oil **stocks**, excluding the Strategic Petroleum Reserves (SPR), ended the month totaling 346.6 million barrels, more than 20 million barrels higher than this time last year. An extension of the Energy Policy and Conservation Act was signed by the President prohibiting the non-emergency sale of the Strategic Petroleum Reserves through fiscal 1999, as well as, reauthorizing U.S. companies' participation in the International Energy Agency (IEA).[11] Total crude oil stocks, including the SPR, totaled 910 million barrels, **the highest level for any month since November 1995**.

**Figure H8. Crude Oil, Year-to-Year May Comparisons, 1973-1998 of Production and Net Imports**




Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340 (various issues), and *Petroleum Supply Monthly*, DOE/EIA-0109 (various issues).

# Refinery Operations

Crude oil **inputs** during May averaged 15.2 million barrels per day, a record for the month. The estimated refinery **operable utilization rate** averaged 97.3 percent verses 97.5 percent a year ago.

[10]"Survey Finds 17% Cut in California Production", *The Oil Daily*, June 1, 1998, p. 1 & 4.
[11]"Clinton Signs SPR Extension", *The Oil Daily*, June 5, 1998, p. 7.

## Table S1. Crude Oil and Petroleum Products Overview, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | Field Production | | | Stock Change[a] | | | Ending Stocks[b] (Million Barrels) |
|---|---|---|---|---|---|---|---|
| | Total Domestic[c] | Crude Oil | Natural Gas Plant Liquids | Crude Oil[d] | Petroleum Products | Petroleum Products Supplied | Crude Oil[d] and Petroleum Products |
| **1982 Average** | **10,252** | **8,649** | **1,550** | **136** | **-283** | **15,296** | [g] **1,430** |
| **1983 Average** | **10,299** | **8,688** | **1,559** | [g] **214** | [g] **-234** | **15,231** | **1,454** |
| **1984 Average** | **10,554** | **8,879** | **1,630** | **199** | **81** | **15,726** | **1,556** |
| **1985 Average** | **10,636** | **8,971** | **1,609** | **50** | **-153** | **15,726** | **1,519** |
| **1986 Average** | **10,289** | **8,680** | **1,551** | **78** | **124** | **16,281** | **1,593** |
| **1987 Average** | **10,008** | **8,349** | **1,595** | **128** | **-87** | **16,665** | **1,607** |
| **1988 Average** | **9,818** | **8,140** | **1,625** | **1** | **-29** | **17,283** | **1,597** |
| **1989 Average** | **9,219** | **7,613** | **1,546** | **86** | **-129** | **17,325** | **1,581** |
| **1990 Average** | **8,994** | **7,355** | **1,559** | **-35** | **142** | **16,988** | **1,621** |
| **1991 Average** | **9,168** | **7,417** | **1,659** | **-42** | **32** | **16,714** | **1,617** |
| **1992 Average** | **8,996** | **7,171** | **1,697** | **-1** | **-68** | **17,033** | [g] **1,592** |
| **1993 Average** | **8,836** | **6,847** | **1,736** | **81** | [g] **70** | **17,237** | [g] **1,647** |
| **1994 Average** | **8,645** | **6,662** | **1,727** | **18** | [g] **-2** | **17,718** | [g] **1,653** |
| **1995 Average** | **8,626** | **6,560** | **1,762** | **-93** | **-153** | **17,725** | [g] **1,563** |
| **1996** January | 8,564 | 6,495 | 1,716 | -8 | -592 | 18,261 | 1,544 |
| February | 8,558 | 6,577 | 1,680 | -63 | -1,454 | 18,620 | 1,500 |
| March | 8,718 | 6,571 | 1,814 | -132 | -464 | 18,301 | 1,482 |
| April | 8,597 | 6,444 | 1,845 | 29 | 633 | 17,885 | 1,502 |
| May | 8,502 | 6,394 | 1,806 | 2 | 576 | 17,957 | 1,520 |
| June | 8,550 | 6,458 | 1,833 | 305 | 593 | 18,107 | 1,546 |
| July | 8,486 | 6,338 | 1,829 | -244 | 358 | 18,211 | 1,550 |
| August | 8,535 | 6,360 | 1,858 | -19 | -130 | 18,658 | 1,545 |
| September | 8,623 | 6,482 | 1,872 | -499 | 701 | 17,655 | 1,551 |
| October | 8,685 | 6,481 | 1,912 | 186 | -630 | 19,171 | 1,538 |
| November | 8,730 | 6,476 | 1,915 | -414 | -117 | 18,535 | 1,522 |
| December | 8,738 | 6,506 | 1,876 | -627 | 165 | 18,334 | 1,507 |
| **Average** | **8,607** | **6,465** | **1,830** | **-124** | **-28** | **18,309** | **--** |
| **1997** January | 8,470 | 6,402 | 1,782 | 462 | -679 | 18,554 | 1,501 |
| February | 8,708 | 6,514 | 1,867 | -122 | -557 | 18,398 | 1,482 |
| March | 8,646 | 6,452 | 1,876 | 520 | 444 | 17,863 | 1,512 |
| April | 8,604 | 6,441 | 1,824 | 197 | 4 | 18,559 | 1,518 |
| May | 8,633 | 6,474 | 1,822 | 230 | 1,172 | 18,293 | 1,561 |
| June | 8,610 | 6,442 | 1,827 | -199 | 658 | 18,617 | 1,575 |
| July | 8,608 | 6,409 | 1,821 | -343 | -167 | 19,107 | 1,559 |
| August | 8,535 | 6,347 | 1,831 | -283 | 643 | 18,565 | 1,570 |
| September | 8,679 | 6,486 | 1,845 | 95 | 642 | 18,562 | 1,592 |
| October | 8,624 | 6,467 | 1,813 | 393 | -214 | 19,071 | 1,598 |
| November | 8,565 | 6,459 | 1,728 | 252 | -195 | 18,578 | 1,600 |
| December | 8,662 | 6,531 | 1,773 | -608 | -675 | 19,250 | 1,560 |
| **Average** | **8,611** | **6,452** | **1,817** | **51** | **93** | **18,620** | **--** |
| **1998** January | [E] 8,644 | [E] 6,438 | 1,826 | 522 | -64 | 18,256 | 1,576 |
| February | [E] 8,759 | [E] 6,538 | 1,870 | 49 | -169 | 18,322 | 1,572 |
| March | [E] 8,608 | [E] 6,465 | 1,846 | 457 | 59 | 18,393 | 1,588 |
| April | [RE] 8,656 | [RE] 6,484 | [R] 1,859 | [R] 492 | [R] 358 | [R] 18,624 | [R] 1,614 |
| May* | [E] *8,587* | [PE] *6,374* | [E] *1,868* | [E] *82* | [E] *994* | [E] *18,464* | [E] *1,632* |
| **5-Mo. Average** | [E] **8,649** | [PE] **6,458** | [E] **1,853** | [E] **325** | [E] **243** | [E] **18,412** | **--** |
| **1997 5-Mo. Average** | **8,610** | **6,456** | **1,834** | **265** | **90** | **18,331** | **--** |
| **1996 5-Mo. Average** | **8,588** | **6,496** | **1,773** | **-34** | **-250** | **18,201** | **--** |

[a] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[b] Stocks are totals as of end of period.
[c] Includes crude oil, natural gas plant liquids, and other liquids. Beginning in 1993, fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants are also included.
[d] Includes stocks located in the Strategic Petroleum Reserve.
[e] Includes crude oil for storage in the Strategic Petroleum Reserve.
[f] Net Imports equal Imports minus Exports.
[g] In January 1981 and 1983, numerous respondents were added to surveys affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. Bulk terminal and pipeline stocks of oxygenates were added beginning in January 1993. See Summary Statistics Explanatory Note 4.

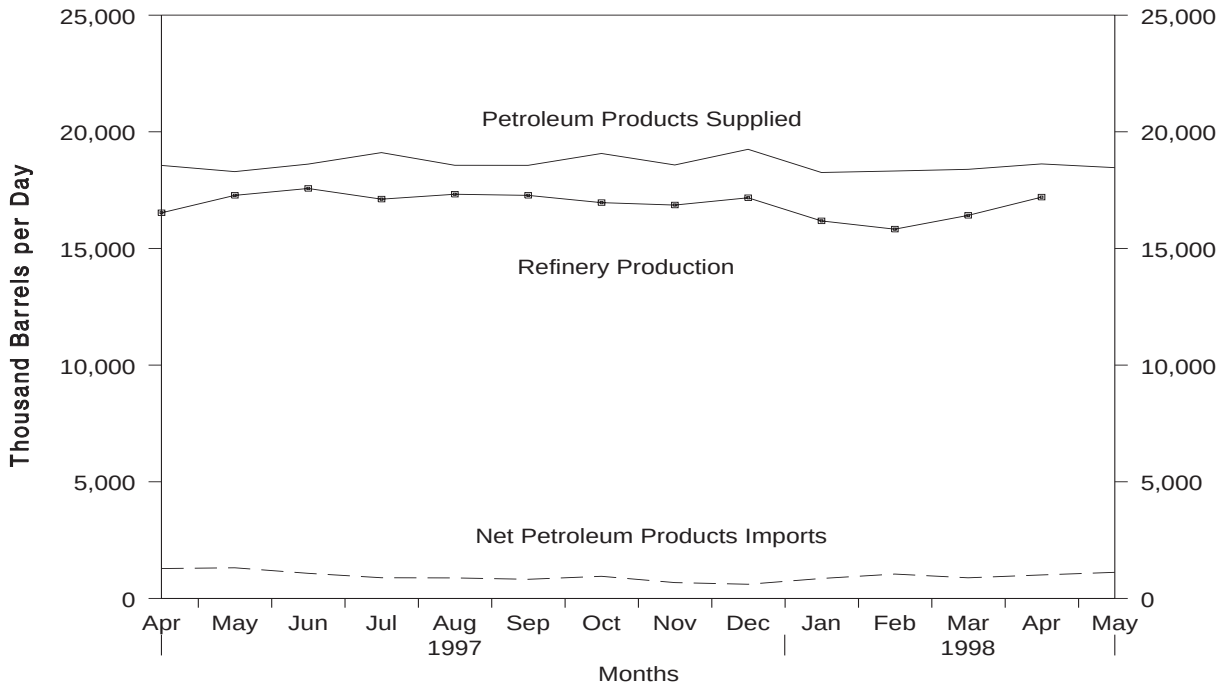
Footnotes continued on following page.

## Table S1. Crude Oil and Petroleum Products Overview, 1982 - Present (Continued)
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | Imports | | | Exports | | | Net Imports[f] |
|---|---|---|---|---|---|---|---|
| | Total | Crude Oil[e] | Petroleum Products | Total | Crude Oil | Petroleum Products | |
| **1982 Average** | **5,113** | **3,488** | **1,625** | **815** | **236** | **579** | **4,298** |
| **1983 Average** | **5,051** | **3,329** | **1,722** | **739** | **164** | **575** | **4,312** |
| **1984 Average** | **5,437** | **3,426** | **2,011** | **722** | **181** | **541** | **4,715** |
| **1985 Average** | **5,437** | **3,201** | **1,866** | **781** | **204** | **577** | **4,286** |
| **1986 Average** | **6,224** | **4,178** | **2,045** | **785** | **154** | **631** | **5,439** |
| **1987 Average** | **6,678** | **4,674** | **2,004** | **764** | **151** | **613** | **5,914** |
| **1988 Average** | **7,402** | **5,107** | **2,295** | **815** | **155** | **661** | **6,587** |
| **1989 Average** | **8,061** | **5,843** | **2,217** | **859** | **142** | **717** | **7,202** |
| **1990 Average** | **8,018** | **5,894** | **2,123** | **857** | **109** | **748** | **7,161** |
| **1991 Average** | **7,627** | **5,782** | **1,844** | **1,001** | **116** | **885** | **6,626** |
| **1992 Average** | **7,888** | **6,083** | **1,805** | **950** | **89** | **861** | **6,938** |
| **1993 Average** | **8,620** | **6,787** | **1,833** | **1,003** | **98** | **904** | **7,618** |
| **1994 Average** | **8,996** | **7,063** | **1,933** | **942** | **99** | **843** | **8,054** |
| **1995 Average** | **8,835** | **7,230** | **1,605** | **949** | **95** | **855** | **7,886** |
| **1996** January | 9,364 | 7,303 | 2,061 | 1,070 | 89 | 981 | 8,294 |
| February | 8,390 | 6,612 | 1,778 | 1,048 | 92 | 956 | 7,342 |
| March | 9,092 | 7,215 | 1,877 | 867 | 94 | 773 | 8,225 |
| April | 9,429 | 7,371 | 2,058 | 976 | 148 | 828 | 8,453 |
| May | 10,007 | 8,029 | 1,977 | 891 | 37 | 854 | 9,116 |
| June | 9,938 | 7,958 | 1,980 | 895 | 130 | 766 | 9,043 |
| July | 9,820 | 7,800 | 2,020 | 945 | 139 | 806 | 8,876 |
| August | 9,986 | 8,041 | 1,944 | 896 | 44 | 852 | 9,090 |
| September | 9,142 | 7,353 | 1,789 | 1,104 | 147 | 957 | 8,038 |
| October | 9,837 | 7,701 | 2,136 | 1,045 | 134 | 911 | 8,792 |
| November | 9,244 | 7,344 | 1,900 | 1,024 | 172 | 852 | 8,220 |
| December | 9,417 | 7,307 | 2,110 | 1,013 | 96 | 917 | 8,404 |
| **Average** | **9,478** | **7,508** | **1,971** | **981** | **110** | **871** | **8,498** |
| **1997** January | 9,763 | 7,492 | 2,271 | 1,038 | 141 | 897 | 8,725 |
| February | 9,561 | 7,434 | 2,127 | 1,017 | 229 | 787 | 8,544 |
| March | 9,833 | 7,754 | 2,079 | 933 | 136 | 796 | 8,900 |
| April | 10,114 | 7,987 | 2,127 | 937 | 92 | 845 | 9,177 |
| May | 10,818 | 8,653 | 2,165 | 876 | 26 | 851 | 9,941 |
| June | 10,736 | 8,759 | 1,978 | 955 | 57 | 898 | 9,782 |
| July | 10,008 | 8,178 | 1,830 | 1,012 | 70 | 942 | 8,996 |
| August | 10,465 | 8,621 | 1,844 | 1,074 | 110 | 964 | 9,390 |
| September | 10,537 | 8,840 | 1,697 | 997 | 122 | 875 | 9,540 |
| October | 10,792 | 8,927 | 1,865 | 1,066 | 152 | 914 | 9,726 |
| November | 9,948 | 8,366 | 1,582 | 934 | 32 | 901 | 9,014 |
| December | 9,328 | 7,653 | 1,675 | 1,197 | 131 | 1,066 | 8,130 |
| **Average** | **10,162** | **8,225** | **1,936** | **1,003** | **108** | **896** | **9,158** |
| **1998** January | 9,893 | 8,185 | 1,708 | 1,083 | 231 | 852 | 8,811 |
| February | 9,577 | 7,770 | 1,807 | 957 | 197 | 760 | 8,620 |
| March | 9,694 | 7,989 | 1,705 | 919 | 99 | 820 | 8,775 |
| April | R 10,398 | R 8,523 | R 1,874 | R 1,029 | R 163 | R 866 | R 9,369 |
| May* | E *10,537* | E *8,584* | E *1,953* | E *937* | E *104* | E *833* | E *9,600* |
| **5-Mo. Average** | E **10,026** | E **8,217** | E **1,809** | E **985** | E **158** | E **827** | E **9,041** |
| **1997 5-Mo. Average** | **10,026** | **7,872** | **2,155** | **959** | **123** | **836** | **9,067** |
| **1996 5-Mo. Average** | **9,267** | **7,315** | **1,952** | **969** | **92** | **878** | **8,297** |

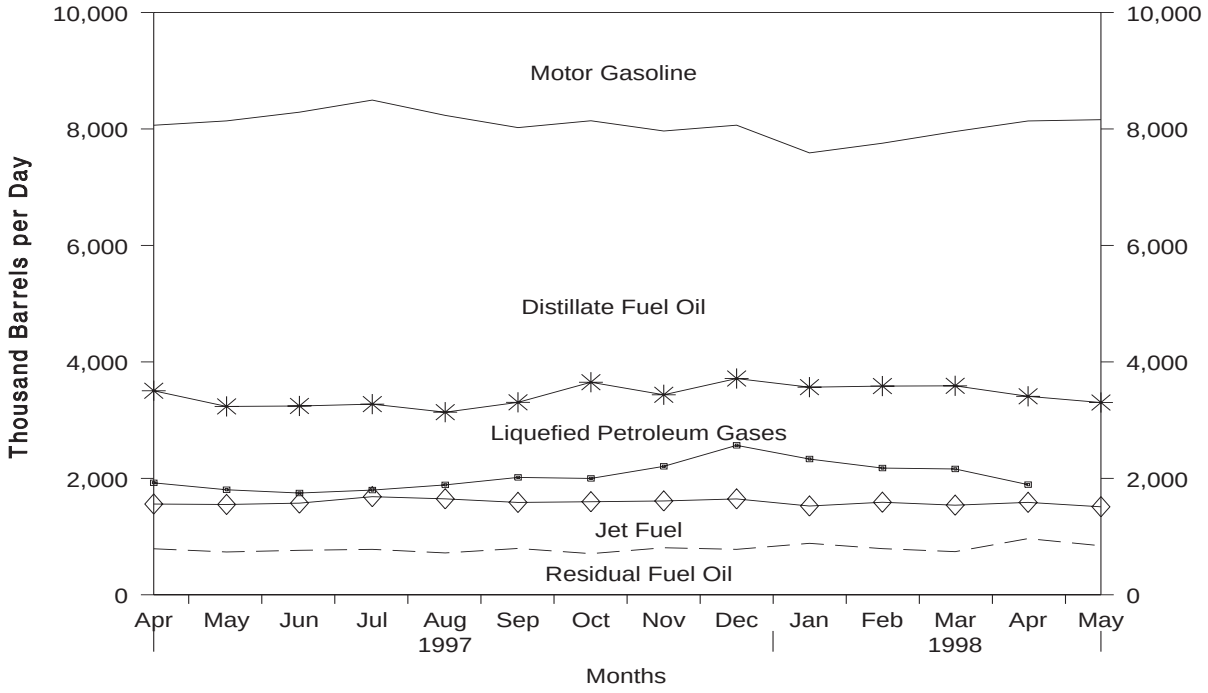
Footnotes continued.
R = Revised data. E = Estimated. PE = Preliminary estimate. RE = Revised estimate.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Crude oil includes lease condensate. • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S1. Petroleum Overview, April 1997 - Present**



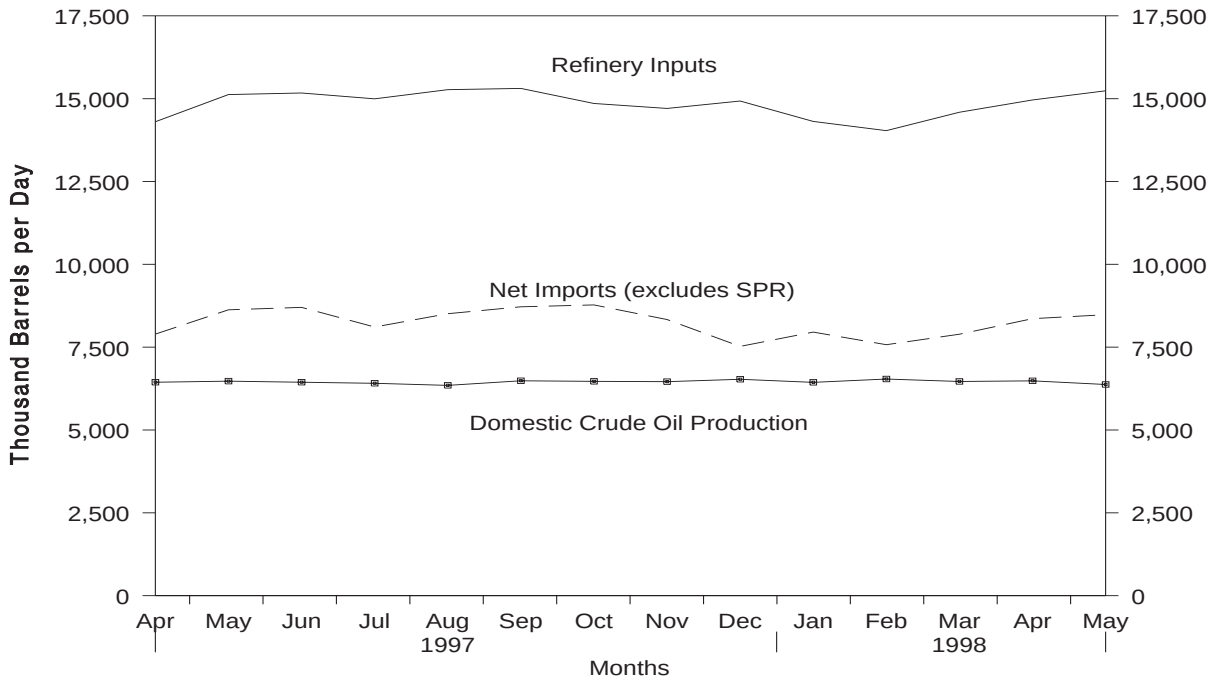

Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S1. See Summary Statistics Table and Figure Sources.

**Figure S2. Petroleum Products Supplied, April 1997 - Present**



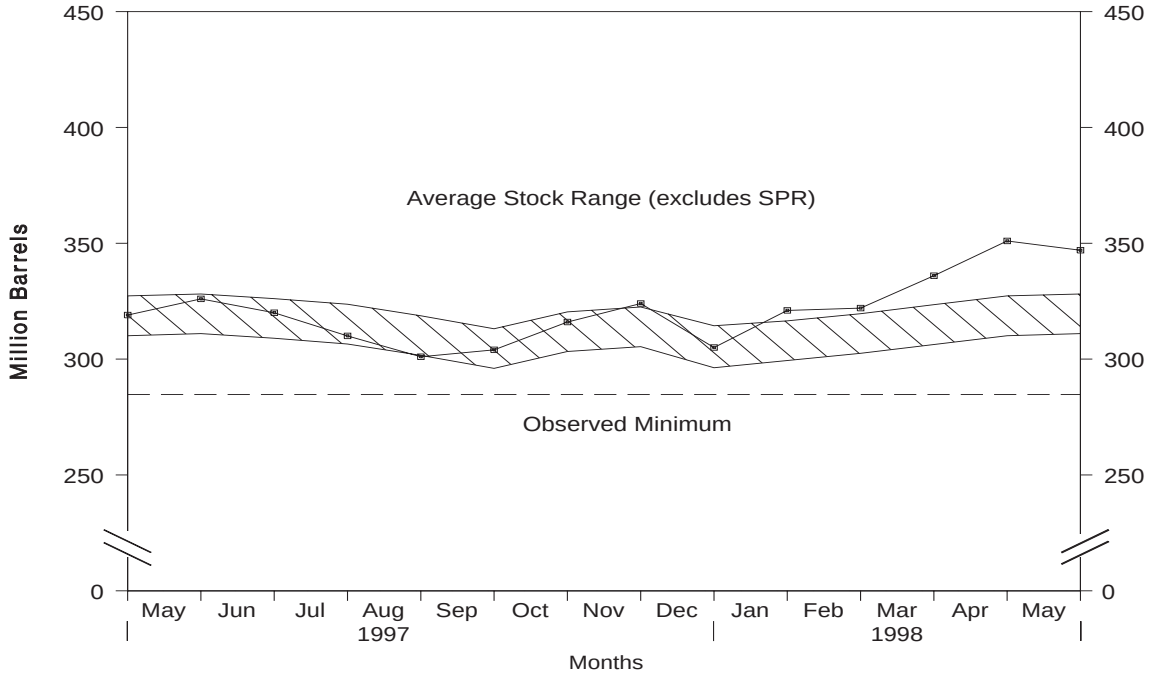

Source: Energy Information Administration, *Petroleum Supply Monthly*, Tables S4-S7, and S9. See Summary Statistics Table and Figure Sources.

**Figure S3. Crude Oil Supply and Disposition, April 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S2. See Summary Statistics Table and Figure Sources.

**Figure S4. Crude Oil Ending Stocks,[1] April 1997 - Present**




[1]Excludes stocks held in the Strategic Petroleum Reserve (SPR).
Note: The Observed Minimum for crude oil stocks in the last 36-month period was 284.7 million barrels, occurring in December 1996.
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S2. See Summary Statistics Table and Figure Sources.

## Table S2. Crude Oil Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | | | | | Disposition |
|---|---|---|---|---|---|---|---|---|
| | | Field Production | | Imports | | | Unaccounted for Crude Oil[c] | Crude Losses |
| | | Total Domestic | Alaskan | Total | SPR | Other | | |
| **1982** | **Average** | **8,649** | **1,696** | **3,488** | **165** | **3,323** | **71** | **3** |
| **1983** | **Average** | **8,688** | **1,714** | **3,329** | **234** | **3,096** | **114** | **2** |
| **1984** | **Average** | **8,879** | **1,722** | **3,426** | **197** | **3,229** | **185** | **2** |
| **1985** | **Average** | **8,971** | **1,825** | **3,201** | **118** | **3,083** | **145** | **1** |
| **1986** | **Average** | **8,680** | **1,867** | **4,178** | **48** | **4,130** | **139** | **(s)** |
| **1987** | **Average** | **8,349** | **1,962** | **4,674** | **73** | **4,601** | **145** | **(s)** |
| **1988** | **Average** | **8,140** | **2,017** | **5,107** | **51** | **5,055** | **196** | **(s)** |
| **1989** | **Average** | **7,613** | **1,874** | **5,843** | **56** | **5,787** | **200** | **(s)** |
| **1990** | **Average** | **7,355** | **1,773** | **5,894** | **27** | **5,867** | **258** | **(s)** |
| **1991** | **Average** | **7,417** | **1,798** | **5,782** | **0** | **5,782** | **195** | **(s)** |
| **1992** | **Average** | **7,171** | **1,714** | **6,083** | **10** | **6,073** | **258** | **(s)** |
| **1993** | **Average** | **6,847** | **1,582** | **6,787** | **15** | **6,772** | **168** | **(s)** |
| **1994** | **Average** | **6,662** | **1,559** | **7,063** | **12** | **7,051** | **266** | **(s)** |
| **1995** | **Average** | **6,560** | **1,484** | **7,230** | **0** | **7,230** | **193** | **(s)** |
| **1996** | January | 6,495 | 1,444 | 7,303 | 0 | 7,303 | 20 | 0 |
| | February | 6,577 | 1,482 | 6,612 | 0 | 6,612 | 413 | 0 |
| | March | 6,571 | 1,454 | 7,215 | 0 | 7,215 | -25 | 0 |
| | April | 6,444 | 1,367 | 7,371 | 0 | 7,371 | 665 | (s) |
| | May | 6,394 | 1,341 | 8,029 | 0 | 8,029 | 61 | 0 |
| | June | 6,458 | 1,419 | 7,958 | 0 | 7,958 | 594 | 0 |
| | July | 6,338 | 1,317 | 7,800 | 0 | 7,800 | 121 | (s) |
| | August | 6,360 | 1,327 | 8,041 | 0 | 8,041 | 54 | 0 |
| | September | 6,482 | 1,401 | 7,353 | 0 | 7,353 | 303 | 0 |
| | October | 6,481 | 1,379 | 7,701 | 0 | 7,701 | 420 | 0 |
| | November | 6,476 | 1,403 | 7,344 | 0 | 7,344 | 148 | 0 |
| | December | 6,506 | 1,392 | 7,307 | 0 | 7,307 | -153 | 0 |
| | **Average** | **6,465** | **1,393** | **7,508** | **0** | **7,508** | **215** | **(s)** |
| **1997** | January | 6,402 | 1,380 | 7,492 | 0 | 7,492 | 378 | 0 |
| | February | 6,514 | 1,384 | 7,434 | 0 | 7,434 | -350 | 0 |
| | March | 6,452 | 1,331 | 7,754 | 0 | 7,754 | 501 | 0 |
| | April | 6,441 | 1,330 | 7,987 | 0 | 7,987 | 167 | 0 |
| | May | 6,474 | 1,303 | 8,653 | 0 | 8,653 | 257 | 0 |
| | June | 6,442 | 1,260 | 8,759 | 0 | 8,759 | -170 | 0 |
| | July | 6,409 | 1,238 | 8,178 | 0 | 8,178 | 136 | 0 |
| | August | 6,347 | 1,200 | 8,621 | 0 | 8,621 | 130 | 0 |
| | September | 6,486 | 1,276 | 8,840 | 0 | 8,840 | 199 | 0 |
| | October | 6,467 | 1,286 | 8,927 | 0 | 8,927 | 5 | 0 |
| | November | 6,459 | 1,278 | 8,366 | 0 | 8,366 | 164 | 0 |
| | December | 6,531 | 1,290 | 7,653 | 0 | 7,653 | 267 | 0 |
| | **Average** | **6,452** | **1,296** | **8,225** | **0** | **8,225** | **145** | **0** |
| **1998** | January | E 6,438 | E 1,229 | 8,185 | 0 | 8,185 | 441 | 0 |
| | February | E 6,538 | E 1,238 | 7,770 | 0 | 7,770 | -27 | 0 |
| | March | E 6,465 | E 1,221 | 7,989 | 0 | 7,989 | 692 | 0 |
| | April | RE 6,484 | RE 1,200 | R 8,523 | 0 | R 8,523 | R 609 | 0 |
| | May* | PE *6,374* | PE *1,161* | E *8,584* | E *0* | E *8,584* | E *465* | E *0* |
| | **5-Mo. Average** | PE **6,458** | PE **1,209** | E **8,217** | E **0** | E **8,217** | E **444** | E **0** |
| **1997** | **5-Mo. Average** | **6,456** | **1,345** | **7,872** | **0** | **7,872** | **201** | **0** |
| **1996** | **5-Mo. Average** | **6,496** | **1,417** | **7,315** | **0** | **7,315** | **222** | **(s)** |

[a] Stocks are totals as of end of period.
[b] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[c] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50 thousand barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.
[d] Previously published as crude used directly.
[e] Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
Footnotes continued on following page.

## Table S2. Crude Oil Supply and Disposition, 1982 - Present (Continued)
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Disposition | | | | | Ending Stocks[a] (Million Barrels) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Stock Change[b] | | | | | | | |
| | | SPR | Other | Refinery Inputs | Exports | Product Supplied | Total | SPR | Other Primary |
| **1982** | **Average** | **174** | **-38** | **11,774** | **236** | [d] **59** | [e] **644** | **294** | [e] **350** |
| **1983** | **Average** | **234** | [e] **-20** | **11,685** | **164** | **66** | **723** | **379** | **344** |
| **1984** | **Average** | **195** | **4** | **12,044** | **181** | **64** | **796** | **451** | **345** |
| **1985** | **Average** | **117** | **-67** | **12,002** | **204** | **60** | **814** | **493** | **321** |
| **1986** | **Average** | **50** | **28** | **12,716** | **154** | **49** | **843** | **512** | **331** |
| **1987** | **Average** | **80** | **49** | **12,854** | **151** | **34** | **890** | **541** | **349** |
| **1988** | **Average** | **52** | **-51** | **13,246** | **155** | **40** | **890** | **560** | **330** |
| **1989** | **Average** | **56** | **30** | **13,401** | **142** | **28** | **921** | **580** | **341** |
| **1990** | **Average** | **16** | **-51** | **13,409** | **109** | **24** | **908** | **586** | **323** |
| **1991** | **Average** | **-47** | **5** | **13,301** | **116** | **18** | **893** | **569** | **325** |
| **1992** | **Average** | **17** | **-18** | **13,411** | **89** | **13** | **893** | **575** | **318** |
| **1993** | **Average** | **34** | **47** | **13,613** | **98** | **10** | **922** | **587** | **335** |
| **1994** | **Average** | **13** | **5** | **13,866** | **99** | **9** | **929** | **592** | **337** |
| **1995** | **Average** | **(s)** | **-93** | **13,973** | **95** | **7** | **895** | **592** | **303** |
| **1996** | January | (s) | -8 | 13,728 | 89 | 11 | 895 | 592 | 303 |
| | February | (s) | -62 | 13,564 | 92 | 8 | 893 | 592 | 301 |
| | March | -80 | -52 | 13,793 | 94 | 7 | 889 | 589 | 300 |
| | April | -88 | 117 | 14,295 | 148 | 6 | 890 | 586 | 303 |
| | May | -22 | 24 | 14,439 | 37 | 7 | 890 | 586 | 304 |
| | June | -45 | 350 | 14,569 | 130 | 6 | 899 | 584 | 314 |
| | July | -50 | -194 | 14,359 | 139 | 5 | 891 | 583 | 308 |
| | August | -172 | 153 | 14,424 | 44 | 6 | 891 | 578 | 313 |
| | September | -130 | -368 | 14,484 | 147 | 6 | 876 | 574 | 302 |
| | October | -1 | 187 | 14,277 | 134 | 5 | 882 | 574 | 308 |
| | November | -127 | -288 | 14,204 | 172 | 5 | 869 | 570 | 299 |
| | December | -129 | -498 | 14,185 | 96 | 6 | 850 | 566 | 284 |
| | **Average** | **-71** | **-53** | **14,195** | **110** | **6** | **--** | **--** | **--** |
| **1997** | January | -75 | 537 | 13,664 | 141 | 5 | 864 | 563 | 301 |
| | February | (s) | -121 | 13,485 | 229 | 6 | 861 | 563 | 297 |
| | March | (s) | 520 | 14,047 | 136 | 5 | 877 | 563 | 313 |
| | April | (s) | 197 | 14,303 | 92 | 3 | 883 | 563 | 319 |
| | May | (s) | 230 | 15,123 | 26 | 4 | 890 | 563 | 326 |
| | June | (s) | -199 | 15,170 | 57 | 2 | 884 | 563 | 320 |
| | July | (s) | -343 | 14,994 | 70 | 2 | 873 | 563 | 310 |
| | August | (s) | -283 | 15,271 | 110 | (s) | 864 | 563 | 301 |
| | September | (s) | 95 | 15,308 | 122 | (s) | 867 | 563 | 304 |
| | October | (s) | 393 | 14,854 | 152 | 0 | 879 | 563 | 316 |
| | November | (s) | 252 | 14,706 | 32 | 0 | 887 | 563 | 324 |
| | December | (s) | -607 | 14,928 | 131 | 0 | 868 | 563 | 305 |
| | **Average** | **-7** | **57** | **14,662** | **108** | **2** | **--** | **--** | **--** |
| **1998** | January | (s) | 522 | 14,313 | 231 | 0 | 884 | 563 | 321 |
| | February | (s) | 50 | 14,034 | 197 | 0 | 886 | 563 | 322 |
| | March | 0 | 457 | 14,590 | 99 | 0 | 900 | 563 | 336 |
| | April | 0 | [R] 492 | [R] 14,961 | [R] 163 | 0 | [R] 915 | 563 | [R] 351 |
| | May* | [E] *0* | [E] *82* | [E] *15,238* | [E] *104* | [E] *0* | [E] *910* | [E] *563* | [E] *347* |
| | **5-Mo. Average** | [E] **(s)** | [E] **325** | [E] **14,637** | [E] **158** | [E] **0** | **--** | **--** | **--** |
| **1997** | **5-Mo. Average** | **-16** | **281** | **14,136** | **123** | **4** | **--** | **--** | **--** |
| **1996** | **5-Mo. Average** | **-38** | **4** | **13,967** | **92** | **8** | **--** | **--** | **--** |

Footnotes continued.
R = Revised data. (s) = Less than 500 barrels per day. E = Estimated. PE = Preliminary estimate. RE = Revised estimate.
SPR = Strategic Petroleum Reserve.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Crude oil includes lease condensate. • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present
(Thousand Barrels per Day)

| Year/Month | | Imports from Arab-OPEC Sources | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Algeria | | Iraq | | Kuwait[b] | | Libya | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **170** | **90** | **3** | **3** | **5** | **2** | **26** | **23** |
| **1983** | **Average** | **240** | **176** | **10** | **10** | **14** | **7** | **0** | **0** |
| **1984** | **Average** | **323** | **194** | **12** | **12** | **36** | **24** | **1** | **0** |
| **1985** | **Average** | **187** | **84** | **46** | **46** | **21** | **4** | **4** | **0** |
| **1986** | **Average** | **271** | **78** | **81** | **81** | **68** | **28** | **0** | **0** |
| **1987** | **Average** | **295** | **115** | **83** | **82** | **84** | **70** | **0** | **0** |
| **1988** | **Average** | **300** | **58** | **345** | **343** | **92** | **80** | **0** | **0** |
| **1989** | **Average** | **269** | **60** | **449** | **441** | **157** | **155** | **0** | **0** |
| **1990** | **Average** | **280** | **63** | **518** | **514** | **86** | **79** | **0** | **0** |
| **1991** | **Average** | **253** | **44** | **0** | **0** | **6** | **6** | **0** | **0** |
| **1992** | **Average** | **196** | **24** | **0** | **0** | **51** | **39** | **0** | **0** |
| **1993** | **Average** | **220** | **24** | **0** | **0** | **353** | **344** | **0** | **0** |
| **1994** | **Average** | **243** | **21** | **0** | **0** | **312** | **307** | **0** | **0** |
| **1995** | **Average** | **234** | **27** | **0** | **0** | **218** | **213** | **0** | **0** |
| **1996** | January | 313 | 38 | 0 | 0 | 148 | 145 | 0 | 0 |
| | February | 200 | 16 | 0 | 0 | 216 | 216 | 0 | 0 |
| | March | 241 | 38 | 0 | 0 | 127 | 127 | 0 | 0 |
| | April | 211 | 2 | 0 | 0 | 201 | 201 | 0 | 0 |
| | May | 340 | 0 | 0 | 0 | 230 | 230 | 0 | 0 |
| | June | 313 | 0 | 0 | 0 | 388 | 388 | 0 | 0 |
| | July | 305 | 0 | 0 | 0 | 266 | 266 | 0 | 0 |
| | August | 323 | 0 | 0 | 0 | 271 | 266 | 0 | 0 |
| | September | 186 | 0 | 0 | 0 | 236 | 236 | 0 | 0 |
| | October | 209 | 0 | 0 | 0 | 260 | 260 | 0 | 0 |
| | November | 214 | 3 | 0 | 0 | 228 | 228 | 0 | 0 |
| | December | 214 | 0 | 14 | 14 | 262 | 262 | 0 | 0 |
| | **Average** | **256** | **8** | **1** | **1** | **236** | **235** | **0** | **0** |
| **1997** | January | 282 | 0 | 0 | 0 | 209 | 209 | 0 | 0 |
| | February | 319 | 0 | 0 | 0 | 172 | 172 | 0 | 0 |
| | March | 309 | 0 | 35 | 35 | 315 | 315 | 0 | 0 |
| | April | 320 | 23 | 84 | 84 | 204 | 204 | 0 | 0 |
| | May | 290 | 0 | 102 | 102 | 128 | 128 | 0 | 0 |
| | June | 349 | 0 | 115 | 115 | 361 | 361 | 0 | 0 |
| | July | 291 | 0 | 88 | 88 | 331 | 331 | 0 | 0 |
| | August | 261 | 4 | (s) | (s) | 229 | 229 | 0 | 0 |
| | September | 259 | 6 | 0 | 0 | 322 | 322 | 0 | 0 |
| | October | 272 | 3 | 177 | 177 | 349 | 349 | 0 | 0 |
| | November | 267 | 7 | 220 | 220 | 220 | 220 | 0 | 0 |
| | December | 208 | 28 | 240 | 240 | 188 | 188 | 0 | 0 |
| | **Average** | **285** | **6** | **89** | **89** | **253** | **253** | **0** | **0** |
| **1998** | January | 306 | 9 | 36 | 36 | 194 | 194 | 0 | 0 |
| | February | 295 | 7 | 0 | 0 | 283 | 283 | 0 | 0 |
| | March | 244 | 13 | 127 | 127 | 307 | 307 | 0 | 0 |
| | April | 336 | 0 | 233 | 233 | 262 | 262 | 0 | 0 |
| | **4-Mo. Average** | **295** | **7** | **100** | **100** | **261** | **261** | **0** | **0** |
| **1997** | **4-Mo. Average** | **307** | **6** | **30** | **30** | **226** | **226** | **0** | **0** |
| **1996** | **4-Mo. Average** | **242** | **24** | **0** | **0** | **172** | **171** | **0** | **0** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | | Imports from Arab-OPEC Sources | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Qatar | | Saudi Arabia[b] | | United Arab Emirates | | Total Arab OPEC | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **7** | **7** | **552** | **530** | **92** | **81** | **854** | **736** |
| **1983** | **Average** | **(s)** | **0** | **337** | **321** | **30** | **18** | **632** | **533** |
| **1984** | **Average** | **5** | **4** | **325** | **309** | **117** | **90** | **819** | **634** |
| **1985** | **Average** | **(s)** | **0** | **168** | **132** | **45** | **35** | **472** | **300** |
| **1986** | **Average** | **13** | **12** | **685** | **618** | **44** | **38** | **1,162** | **854** |
| **1987** | **Average** | **0** | **0** | **751** | **642** | **61** | **56** | **1,274** | **965** |
| **1988** | **Average** | **0** | **0** | **1,073** | **911** | **29** | **23** | **1,839** | **1,415** |
| **1989** | **Average** | **2** | **2** | **1,224** | **1,116** | **28** | **21** | **2,130** | **1,794** |
| **1990** | **Average** | **4** | **4** | **1,339** | **1,195** | **17** | **9** | **2,244** | **1,864** |
| **1991** | **Average** | **0** | **0** | **1,802** | **1,703** | **3** | **2** | **2,064** | **1,754** |
| **1992** | **Average** | **1** | **0** | **1,720** | **1,597** | **6** | **0** | **1,974** | **1,660** |
| **1993** | **Average** | **1** | **0** | **1,414** | **1,282** | **14** | **12** | **2,000** | **1,661** |
| **1994** | **Average** | **0** | **0** | **1,402** | **1,297** | **13** | **11** | **1,970** | **1,636** |
| **1995** | **Average** | **0** | **0** | **1,344** | **1,260** | **10** | **5** | **1,806** | **1,505** |
| **1996** | January | 0 | 0 | 1,398 | 1,334 | 0 | 0 | 1,859 | 1,517 |
| | February | 0 | 0 | 1,128 | 1,053 | 0 | 0 | 1,544 | 1,285 |
| | March | 0 | 0 | 1,422 | 1,318 | 0 | 0 | 1,790 | 1,484 |
| | April | 0 | 0 | 1,288 | 1,200 | 0 | 0 | 1,700 | 1,403 |
| | May | 0 | 0 | 1,518 | 1,414 | 0 | 0 | 2,087 | 1,643 |
| | June | 0 | 0 | 1,138 | 1,035 | 11 | 11 | 1,850 | 1,433 |
| | July | 0 | 0 | 1,548 | 1,371 | 4 | 4 | 2,123 | 1,642 |
| | August | 0 | 0 | 1,477 | 1,333 | 0 | 0 | 2,070 | 1,599 |
| | September | 0 | 0 | 1,355 | 1,255 | 0 | 0 | 1,777 | 1,491 |
| | October | 0 | 0 | 1,357 | 1,209 | 17 | 17 | 1,844 | 1,486 |
| | November | 0 | 0 | 1,297 | 1,201 | 0 | 0 | 1,738 | 1,432 |
| | December | 0 | 0 | 1,400 | 1,236 | 0 | 0 | 1,889 | 1,511 |
| | **Average** | **0** | **0** | **1,363** | **1,248** | **3** | **3** | **1,859** | **1,496** |
| **1997** | January | 0 | 0 | 1,344 | 1,253 | 0 | 0 | 1,835 | 1,462 |
| | February | 0 | 0 | 1,361 | 1,250 | 0 | 0 | 1,852 | 1,421 |
| | March | 0 | 0 | 1,292 | 1,157 | 0 | 0 | 1,950 | 1,506 |
| | April | 15 | 0 | 1,573 | 1,408 | 0 | 0 | 2,197 | 1,720 |
| | May | 0 | 0 | 1,475 | 1,333 | 0 | 0 | 1,996 | 1,564 |
| | June | 0 | 0 | 1,299 | 1,174 | 6 | 0 | 2,130 | 1,650 |
| | July | 0 | 0 | 1,313 | 1,188 | 14 | 0 | 2,037 | 1,607 |
| | August | 0 | 0 | 1,636 | 1,516 | 0 | 0 | 2,127 | 1,750 |
| | September | 0 | 0 | 1,599 | 1,511 | 0 | 0 | 2,180 | 1,839 |
| | October | 16 | 0 | 1,377 | 1,282 | 0 | 0 | 2,191 | 1,812 |
| | November | 0 | 0 | 1,308 | 1,257 | 0 | 0 | 2,015 | 1,704 |
| | December | 15 | 0 | 1,311 | 1,192 | 0 | 0 | 1,962 | 1,649 |
| | **Average** | **4** | **0** | **1,407** | **1,293** | **2** | **0** | **2,040** | **1,641** |
| **1998** | January | 0 | 0 | 1,500 | 1,422 | 0 | 0 | 2,035 | 1,660 |
| | February | 18 | 18 | 1,415 | 1,305 | 0 | 0 | 2,011 | 1,614 |
| | March | 0 | 0 | 1,508 | 1,359 | 13 | 13 | 2,199 | 1,819 |
| | April | 0 | 0 | 1,470 | 1,305 | 20 | 20 | 2,322 | 1,821 |
| | **4-Mo. Average** | **4** | **4** | **1,475** | **1,349** | **8** | **8** | **2,144** | **1,731** |
| **1997** | **4-Mo. Average** | **4** | **0** | **1,392** | **1,266** | **0** | **0** | **1,959** | **1,529** |
| **1996** | **4-Mo. Average** | **0** | **0** | **1,312** | **1,229** | **0** | **0** | **1,727** | **1,424** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | Imports from Other-OPEC Sources | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Ecuador[c] | | Gabon[d] | | Indonesia | | Iran | |
| | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982 Average** | **42** | **32** | **40** | **40** | **248** | **226** | **35** | **35** |
| **1983 Average** | **61** | **56** | **59** | **59** | **338** | **315** | **48** | **48** |
| **1984 Average** | **55** | **47** | **58** | **57** | **343** | **304** | **10** | **10** |
| **1985 Average** | **67** | **56** | **52** | **51** | **314** | **292** | **27** | **27** |
| **1986 Average** | **77** | **64** | **26** | **25** | **318** | **297** | **19** | **19** |
| **1987 Average** | **29** | **23** | **35** | **35** | **285** | **262** | **98** | **98** |
| **1988 Average** | **47** | **33** | **16** | **15** | **205** | **186** | [g] **(s)** | [g] **(s)** |
| **1989 Average** | **89** | **80** | **50** | **49** | **183** | **158** | **0** | **0** |
| **1990 Average** | **49** | **38** | **64** | **64** | **114** | **98** | **0** | **0** |
| **1991 Average** | **63** | **53** | **84** | **84** | **111** | **102** | **32** | **32** |
| **1992 Average** | **65** | **62** | **124** | **123** | **78** | **70** | **0** | **0** |
| **1993 Average** | **81** | **78** | **152** | **151** | **81** | **65** | **0** | **0** |
| **1994 Average** | **(c)** | **(c)** | **194** | **194** | **111** | **92** | **0** | **0** |
| **1995 Average** | **(c)** | **(c)** | **(d)** | **(d)** | **88** | **64** | **0** | **0** |
| **1996** January | (c) | (c) | (d) | (d) | 52 | 43 | 0 | 0 |
| February | (c) | (c) | (d) | (d) | 44 | 43 | 0 | 0 |
| March | (c) | (c) | (d) | (d) | 58 | 55 | 0 | 0 |
| April | (c) | (c) | (d) | (d) | 57 | 57 | 0 | 0 |
| May | (c) | (c) | (d) | (d) | 49 | 15 | 0 | 0 |
| June | (c) | (c) | (d) | (d) | 72 | 65 | 0 | 0 |
| July | (c) | (c) | (d) | (d) | 56 | 48 | 0 | 0 |
| August | (c) | (c) | (d) | (d) | 53 | 49 | 0 | 0 |
| September | (c) | (c) | (d) | (d) | 26 | 26 | 0 | 0 |
| October | (c) | (c) | (d) | (d) | 125 | 82 | 0 | 0 |
| November | (c) | (c) | (d) | (d) | 36 | 12 | 0 | 0 |
| December | (c) | (c) | (d) | (d) | 81 | 32 | 0 | 0 |
| **Average** | **(c)** | **(c)** | **(d)** | **(d)** | **59** | **44** | **0** | **0** |
| **1997** January | (c) | (c) | (d) | (d) | 55 | 38 | 0 | 0 |
| February | (c) | (c) | (d) | (d) | 51 | 39 | 0 | 0 |
| March | (c) | (c) | (d) | (d) | 18 | 15 | 0 | 0 |
| April | (c) | (c) | (d) | (d) | 40 | 32 | 0 | 0 |
| May | (c) | (c) | (d) | (d) | 86 | 86 | 0 | 0 |
| June | (c) | (c) | (d) | (d) | 57 | 50 | 0 | 0 |
| July | (c) | (c) | (d) | (d) | 73 | 66 | 0 | 0 |
| August | (c) | (c) | (d) | (d) | 24 | 21 | 0 | 0 |
| September | (c) | (c) | (d) | (d) | 90 | 83 | 0 | 0 |
| October | (c) | (c) | (d) | (d) | 42 | 42 | 0 | 0 |
| November | (c) | (c) | (d) | (d) | 79 | 74 | 0 | 0 |
| December | (c) | (c) | (d) | (d) | 84 | 68 | 0 | 0 |
| **Average** | **(c)** | **(c)** | **(d)** | **(d)** | **58** | **51** | **0** | **0** |
| **1998** January | (c) | (c) | (d) | (d) | 36 | 33 | 0 | 0 |
| February | (c) | (c) | (d) | (d) | 24 | 24 | 0 | 0 |
| March | (c) | (c) | (d) | (d) | 50 | 47 | 0 | 0 |
| April | (c) | (c) | (d) | (d) | 44 | 26 | 0 | 0 |
| **4-Mo. Average** | **(c)** | **(c)** | **(d)** | **(d)** | **39** | **33** | **0** | **0** |
| **1997 4-Mo. Average** | **(c)** | **(c)** | **(d)** | **(d)** | **41** | **31** | **0** | **0** |
| **1996 4-Mo. Average** | **(c)** | **(c)** | **(d)** | **(d)** | **53** | **50** | **0** | **0** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | | Imports from Other-OPEC Sources | | | | | | Total OPEC[c,d,e] | |
|---|---|---|---|---|---|---|---|---|---|
| | | Nigeria | | Venezuela | | Total Other OPEC[c,d] | | | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **514** | **510** | **412** | **155** | **1,291** | **998** | **2,146** | **1,734** |
| **1983** | **Average** | **302** | **301** | **422** | **164** | **1,231** | **944** | **1,862** | **1,477** |
| **1984** | **Average** | **216** | **207** | **548** | **253** | **1,230** | **878** | **2,049** | **1,512** |
| **1985** | **Average** | **293** | **280** | **605** | **306** | **1,358** | **1,012** | **1,830** | **1,312** |
| **1986** | **Average** | **440** | **437** | **793** | **416** | **1,674** | **1,259** | **2,837** | **2,113** |
| **1987** | **Average** | **535** | **529** | **804** | **488** | **1,787** | **1,435** | **3,060** | **2,400** |
| **1988** | **Average** | **618** | **607** | **794** | **439** | **1,681** | **1,281** | **3,520** | **2,696** |
| **1989** | **Average** | **815** | **800** | **873** | **495** | **2,010** | **1,582** | **4,140** | **3,376** |
| **1990** | **Average** | **800** | **784** | **1,025** | **666** | **2,052** | **1,650** | **4,296** | **3,514** |
| **1991** | **Average** | **703** | **683** | **1,035** | **668** | **2,028** | **1,622** | **4,092** | **3,377** |
| **1992** | **Average** | **681** | **665** | **1,170** | **826** | **2,117** | **1,746** | **4,092** | **3,406** |
| **1993** | **Average** | **740** | **722** | **1,300** | **1,010** | **2,354** | **2,026** | **4,354** | **3,687** |
| **1994** | **Average** | **637** | **624** | **1,334** | **1,034** | **2,277** | **1,944** | **4,247** | **3,580** |
| **1995** | **Average** | **627** | **621** | **1,480** | **1,151** | **2,196** | **1,835** | **4,002** | **3,341** |
| **1996** | January | 690 | 663 | 1,518 | 1,148 | 2,261 | 1,854 | 4,120 | 3,371 |
| | February | 647 | 639 | 1,495 | 1,166 | 2,185 | 1,849 | 3,730 | 3,133 |
| | March | 594 | 548 | 1,719 | 1,341 | 2,371 | 1,943 | 4,161 | 3,427 |
| | April | 518 | 497 | 1,732 | 1,288 | 2,307 | 1,842 | 4,007 | 3,245 |
| | May | 705 | 705 | 1,700 | 1,333 | 2,454 | 2,054 | 4,541 | 3,697 |
| | June | 711 | 697 | 1,642 | 1,236 | 2,425 | 1,999 | 4,275 | 3,432 |
| | July | 750 | 696 | 1,690 | 1,332 | 2,496 | 2,076 | 4,619 | 3,718 |
| | August | 793 | 785 | 1,749 | 1,431 | 2,595 | 2,265 | 4,665 | 3,865 |
| | September | 694 | 677 | 1,708 | 1,269 | 2,428 | 1,972 | 4,204 | 3,463 |
| | October | 521 | 488 | 1,781 | 1,448 | 2,427 | 2,019 | 4,271 | 3,504 |
| | November | 465 | 453 | 1,728 | 1,303 | 2,229 | 1,767 | 3,967 | 3,199 |
| | December | 320 | 298 | 1,641 | 1,324 | 2,042 | 1,654 | 3,931 | 3,166 |
| | **Average** | **617** | **595** | **1,676** | **1,303** | **2,353** | **1,942** | **4,211** | **3,438** |
| **1997** | January | 548 | 522 | 1,641 | 1,215 | 2,243 | 1,775 | 4,078 | 3,237 |
| | February | 625 | 620 | 1,601 | 1,262 | 2,278 | 1,920 | 4,130 | 3,341 |
| | March | 542 | 541 | 1,769 | 1,348 | 2,329 | 1,904 | 4,279 | 3,410 |
| | April | 756 | 747 | 1,695 | 1,319 | 2,491 | 2,098 | 4,688 | 3,818 |
| | May | 992 | 975 | 1,927 | 1,449 | 3,005 | 2,510 | 5,001 | 4,073 |
| | June | 919 | 919 | 1,893 | 1,508 | 2,869 | 2,478 | 4,999 | 4,128 |
| | July | 580 | 571 | 1,738 | 1,418 | 2,391 | 2,055 | 4,429 | 3,662 |
| | August | 882 | 866 | 1,794 | 1,394 | 2,700 | 2,280 | 4,827 | 4,030 |
| | September | 769 | 769 | 1,822 | 1,478 | 2,680 | 2,329 | 4,860 | 4,168 |
| | October | 688 | 675 | 1,991 | 1,605 | 2,722 | 2,323 | 4,913 | 4,134 |
| | November | 649 | 649 | 1,689 | 1,418 | 2,416 | 2,141 | 4,431 | 3,845 |
| | December | 423 | 423 | 1,699 | 1,304 | 2,205 | 1,795 | 4,168 | 3,444 |
| | **Average** | **698** | **689** | **1,773** | **1,394** | **2,529** | **2,134** | **4,569** | **3,775** |
| **1998** | January | 613 | 608 | 1,600 | 1,333 | 2,250 | 1,974 | 4,285 | 3,634 |
| | February | 544 | 544 | 1,699 | 1,328 | 2,267 | 1,896 | 4,278 | 3,510 |
| | March | 812 | 812 | 1,657 | 1,316 | 2,519 | 2,175 | 4,718 | 3,994 |
| | April | 772 | 772 | 1,626 | 1,334 | 2,443 | 2,132 | 4,765 | 3,953 |
| | **4-Mo. Average** | **688** | **687** | **1,645** | **1,328** | **2,372** | **2,047** | **4,515** | **3,778** |
| **1997** | **4-Mo. Average** | **617** | **606** | **1,678** | **1,286** | **2,336** | **1,923** | **4,295** | **3,451** |
| **1996** | **4-Mo. Average** | **613** | **587** | **1,617** | **1,236** | **2,282** | **1,873** | **4,009** | **3,297** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | | Imports from Non-OPEC Sources[a] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Angola | | Australia | | Bahama Islands | | Brazil | | Canada | | China, People's Republic of | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **44** | **42** | **5** | **(s)** | **65** | **0** | **47** | **19** | **482** | **214** | **40** | **8** |
| **1983** | **Average** | **78** | **71** | **4** | **0** | **125** | **0** | **41** | **2** | **547** | **274** | **34** | **6** |
| **1984** | **Average** | **90** | **85** | **38** | **25** | **88** | **0** | **60** | **(s)** | **630** | **341** | **46** | **15** |
| **1985** | **Average** | **110** | **104** | **37** | **21** | **40** | **0** | **61** | **0** | **770** | **468** | **59** | **36** |
| **1986** | **Average** | **112** | **102** | **41** | **30** | **37** | **0** | **50** | **0** | **807** | **570** | **90** | **68** |
| **1987** | **Average** | **192** | **180** | **58** | **49** | **37** | **0** | **84** | **0** | **848** | **608** | **82** | **63** |
| **1988** | **Average** | **212** | **203** | **64** | **59** | **32** | **0** | **98** | **0** | **999** | **681** | **88** | **82** |
| **1989** | **Average** | **284** | **279** | **36** | **31** | **34** | **0** | **82** | **0** | **931** | **630** | **80** | **76** |
| **1990** | **Average** | **237** | **236** | **53** | **47** | **37** | **0** | **49** | **0** | **934** | **643** | **80** | **77** |
| **1991** | **Average** | **254** | **254** | **26** | **21** | **35** | **0** | **22** | **0** | **1,033** | **743** | **91** | **87** |
| **1992** | **Average** | **336** | **336** | **19** | **17** | **36** | **0** | **20** | **0** | **1,069** | **797** | **90** | **84** |
| **1993** | **Average** | **336** | **336** | **19** | **18** | **28** | **0** | **33** | **0** | **1,181** | **900** | **51** | **50** |
| **1994** | **Average** | **331** | **322** | **17** | **16** | **29** | **0** | **31** | **1** | **1,272** | **983** | **65** | **64** |
| **1995** | **Average** | **367** | **360** | **16** | **16** | **2** | **0** | **8** | **0** | **1,332** | **1,040** | **53** | **53** |
| **1996** | January | 312 | 312 | 21 | 21 | 0 | 0 | 1 | 0 | 1,490 | 1,117 | 86 | 86 |
| | February | 195 | 195 | 0 | 0 | 0 | 0 | 4 | 0 | 1,413 | 1,026 | 42 | 42 |
| | March | 257 | 257 | 0 | 0 | 12 | 0 | 1 | 0 | 1,322 | 1,001 | 53 | 53 |
| | April | 244 | 233 | 22 | 22 | 0 | 0 | (s) | 0 | 1,427 | 1,030 | 18 | 18 |
| | May | 403 | 379 | 22 | 22 | 0 | 0 | 9 | 0 | 1,373 | 1,056 | 19 | 19 |
| | June | 356 | 356 | 56 | 47 | 1 | 0 | 10 | 0 | 1,395 | 1,091 | 37 | 37 |
| | July | 292 | 292 | 11 | 0 | 0 | 0 | 28 | 0 | 1,393 | 1,093 | 78 | 78 |
| | August | 480 | 456 | 43 | 43 | 0 | 0 | 38 | 0 | 1,393 | 1,042 | 73 | 73 |
| | September | 391 | 391 | 47 | 27 | 0 | 0 | 13 | 0 | 1,276 | 1,000 | 64 | 64 |
| | October | 502 | 485 | 79 | 65 | 0 | 0 | 1 | 0 | 1,407 | 1,059 | 36 | 36 |
| | November | 353 | 353 | 35 | 25 | 0 | 0 | 1 | 0 | 1,516 | 1,151 | 104 | 104 |
| | December | 420 | 405 | 39 | 21 | 0 | 0 | 3 | 0 | 1,675 | 1,232 | 78 | 78 |
| | **Average** | **351** | **344** | **31** | **25** | **1** | **0** | **9** | **0** | **1,424** | **1,075** | **57** | **57** |
| **1997** | January | 485 | 485 | 21 | 21 | 0 | 0 | 1 | 0 | 1,571 | 1,162 | 84 | 84 |
| | February | 422 | 422 | 0 | 0 | 13 | 0 | 0 | 0 | 1,605 | 1,155 | 65 | 65 |
| | March | 467 | 461 | 37 | 37 | 0 | 0 | 4 | 0 | 1,508 | 1,158 | 120 | 120 |
| | April | 435 | 422 | 22 | 22 | 0 | 0 | 0 | 0 | 1,454 | 1,063 | 46 | 46 |
| | May | 374 | 369 | 61 | 44 | 0 | 0 | 0 | 0 | 1,571 | 1,203 | 21 | 21 |
| | June | 480 | 480 | 23 | 23 | 0 | 0 | 20 | 0 | 1,546 | 1,184 | 44 | 44 |
| | July | 416 | 416 | 77 | 48 | 0 | 0 | 21 | 0 | 1,547 | 1,201 | 0 | 0 |
| | August | 323 | 323 | 91 | 60 | 0 | 0 | 4 | 0 | 1,630 | 1,275 | 42 | 42 |
| | September | 428 | 428 | 67 | 27 | 0 | 0 | 3 | 0 | 1,577 | 1,250 | 49 | 43 |
| | October | 537 | 537 | 92 | 53 | 0 | 0 | 6 | 0 | 1,503 | 1,175 | 48 | 47 |
| | November | 480 | 480 | 23 | 23 | 0 | 0 | 2 | 0 | 1,559 | 1,213 | 22 | 22 |
| | December | 286 | 286 | 59 | 14 | 0 | 0 | 0 | 0 | 1,689 | 1,333 | 45 | 45 |
| | **Average** | **427** | **425** | **48** | **31** | **1** | **0** | **5** | **0** | **1,563** | **1,198** | **49** | **48** |
| **1998** | January | 427 | 427 | 5 | 0 | 0 | 0 | 6 | 0 | 1,679 | 1,313 | 36 | 36 |
| | February | 417 | 417 | 48 | 48 | 0 | 0 | 0 | 0 | 1,717 | 1,382 | 41 | 41 |
| | March | 302 | 302 | 46 | 30 | 0 | 0 | 27 | 0 | 1,460 | 1,132 | 63 | 63 |
| | April | 452 | 452 | 62 | 14 | 0 | 0 | 11 | 0 | 1,546 | 1,239 | 36 | 36 |
| | **4-Mo. Average** | **398** | **398** | **40** | **23** | **0** | **0** | **11** | **0** | **1,598** | **1,264** | **44** | **44** |
| **1997** | **4-Mo. Average** | **453** | **448** | **20** | **20** | **3** | **0** | **1** | **0** | **1,533** | **1,135** | **80** | **79** |
| **1996** | **4-Mo. Average** | **253** | **250** | **11** | **11** | **3** | **0** | **2** | **0** | **1,413** | **1,044** | **50** | **50** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | | Imports from Non-OPEC Sources[a] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Colombia | | Ecuador[c] | | Gabon[d] | | Italy | | Malaysia | | Mexico | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **5** | **0** | **(c)** | **(c)** | **(d)** | **(d)** | **18** | **(s)** | **20** | **18** | **685** | **645** |
| **1983** | **Average** | **10** | **0** | **(c)** | **(c)** | **(d)** | **(d)** | **18** | **(s)** | **4** | **3** | **826** | **766** |
| **1984** | **Average** | **8** | **0** | **(c)** | **(c)** | **(d)** | **(d)** | **45** | **(s)** | **1** | **0** | **748** | **659** |
| **1985** | **Average** | **23** | **0** | **(c)** | **(c)** | **(d)** | **(d)** | **60** | **(s)** | **3** | **1** | **816** | **715** |
| **1986** | **Average** | **87** | **57** | **(c)** | **(c)** | **(d)** | **(d)** | **76** | **0** | **12** | **11** | **699** | **621** |
| **1987** | **Average** | **148** | **115** | **(c)** | **(c)** | **(d)** | **(d)** | **54** | **1** | **13** | **12** | **655** | **602** |
| **1988** | **Average** | **134** | **106** | **(c)** | **(c)** | **(d)** | **(d)** | **65** | **5** | **19** | **19** | **747** | **674** |
| **1989** | **Average** | **172** | **136** | **(c)** | **(c)** | **(d)** | **(d)** | **34** | **3** | **39** | **39** | **767** | **716** |
| **1990** | **Average** | **182** | **140** | **(c)** | **(c)** | **(d)** | **(d)** | **58** | **2** | **41** | **40** | **755** | **689** |
| **1991** | **Average** | **163** | **123** | **(c)** | **(c)** | **(d)** | **(d)** | **47** | **3** | **24** | **24** | **807** | **759** |
| **1992** | **Average** | **126** | **102** | **(c)** | **(c)** | **(d)** | **(d)** | **55** | **0** | **10** | **10** | **830** | **787** |
| **1993** | **Average** | **171** | **141** | **(c)** | **(c)** | **(d)** | **(d)** | **31** | **0** | **11** | **10** | **919** | **863** |
| **1994** | **Average** | **161** | **146** | **91** | **91** | **(d)** | **(d)** | **22** | **0** | **10** | **6** | **984** | **939** |
| **1995** | **Average** | **219** | **207** | **97** | **96** | **229** | **229** | **5** | **0** | **8** | **6** | **1,068** | **1,027** |
| **1996** | January | 186 | 183 | 126 | 120 | 171 | 171 | 2 | 0 | 0 | 0 | 1,281 | 1,245 |
| | February | 149 | 139 | 81 | 81 | 191 | 191 | 0 | 0 | 24 | 17 | 1,083 | 1,062 |
| | March | 262 | 250 | 131 | 125 | 154 | 154 | 13 | 0 | 4 | 0 | 1,176 | 1,165 |
| | April | 280 | 280 | 158 | 143 | 212 | 212 | (s) | 0 | 0 | 0 | 1,303 | 1,273 |
| | May | 263 | 249 | 100 | 95 | 154 | 154 | 0 | 0 | 47 | 40 | 1,288 | 1,222 |
| | June | 250 | 247 | 138 | 133 | 218 | 218 | 16 | 0 | 19 | 11 | 1,351 | 1,274 |
| | July | 204 | 198 | 113 | 96 | 191 | 191 | 19 | 0 | 0 | 0 | 1,216 | 1,186 |
| | August | 221 | 217 | 83 | 71 | 156 | 156 | 8 | 0 | 5 | 0 | 1,157 | 1,142 |
| | September | 213 | 213 | 48 | 48 | 104 | 104 | 15 | 0 | 0 | 0 | 1,355 | 1,306 |
| | October | 265 | 252 | 66 | 60 | 226 | 226 | 4 | 0 | 31 | 0 | 1,213 | 1,189 |
| | November | 267 | 267 | 111 | 111 | 253 | 253 | 13 | 0 | 7 | 0 | 1,157 | 1,110 |
| | December | 246 | 218 | 89 | 72 | 184 | 184 | 8 | 0 | 0 | 0 | 1,346 | 1,301 |
| | **Average** | **234** | **226** | **104** | **96** | **184** | **184** | **8** | **0** | **11** | **6** | **1,244** | **1,207** |
| **1997** | January | 227 | 226 | 112 | 107 | 62 | 62 | 8 | 0 | 32 | 0 | 1,324 | 1,280 |
| | February | 248 | 248 | 110 | 110 | 262 | 262 | 27 | 0 | 7 | 7 | 1,277 | 1,241 |
| | March | 260 | 257 | 148 | 148 | 217 | 217 | 5 | 0 | 33 | 0 | 1,310 | 1,249 |
| | April | 255 | 255 | 73 | 73 | 203 | 203 | 26 | 0 | 33 | 0 | 1,448 | 1,416 |
| | May | 272 | 266 | 109 | 104 | 210 | 210 | 9 | 0 | 9 | 0 | 1,429 | 1,408 |
| | June | 228 | 228 | 132 | 132 | 226 | 226 | 0 | 0 | 32 | 24 | 1,401 | 1,382 |
| | July | 235 | 225 | 122 | 122 | 335 | 335 | 0 | 0 | 28 | 0 | 1,366 | 1,347 |
| | August | 250 | 250 | 128 | 128 | 203 | 203 | 2 | 0 | 23 | 15 | 1,452 | 1,448 |
| | September | 289 | 289 | 143 | 143 | 271 | 271 | 0 | 0 | 37 | 29 | 1,410 | 1,395 |
| | October | 321 | 321 | 143 | 143 | 235 | 235 | 8 | 0 | 19 | 19 | 1,526 | 1,500 |
| | November | 322 | 322 | 91 | 91 | 256 | 256 | 0 | 0 | 8 | 0 | 1,460 | 1,453 |
| | December | 350 | 350 | 66 | 66 | 288 | 288 | 5 | 0 | 7 | 0 | 1,215 | 1,192 |
| | **Average** | **271** | **270** | **115** | **114** | **230** | **230** | **7** | **0** | **23** | **8** | **1,385** | **1,360** |
| **1998** | January | 281 | 281 | 77 | 77 | 264 | 264 | 26 | 0 | 17 | 11 | 1,467 | 1,438 |
| | February | 243 | 235 | 103 | 103 | 244 | 244 | 6 | 0 | 64 | 49 | 1,214 | 1,197 |
| | March | 261 | 261 | 75 | 75 | 312 | 312 | 12 | 0 | 10 | 10 | 1,235 | 1,220 |
| | April | 348 | 348 | 88 | 81 | 256 | 256 | 2 | 0 | 29 | 13 | 1,473 | 1,444 |
| | **4-Mo. Average** | **284** | **282** | **85** | **84** | **270** | **270** | **12** | **0** | **29** | **20** | **1,350** | **1,327** |
| **1997** | **4-Mo. Average** | **247** | **246** | **111** | **110** | **184** | **184** | **16** | **0** | **27** | **2** | **1,340** | **1,297** |
| **1996** | **4-Mo. Average** | **220** | **213** | **124** | **118** | **182** | **182** | **4** | **0** | **7** | **4** | **1,212** | **1,188** |

See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | | Imports from Non-OPEC Sources[a] | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Netherlands | | Netherlands Antilles | | Norway | | Puerto Rico | | Russia[f] | | Spain | |
| | | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982** | **Average** | **35** | **(s)** | **175** | **0** | **102** | **102** | **50** | **0** | **1** | **0** | **3** | **(s)** |
| **1983** | **Average** | **65** | **3** | **189** | **0** | **66** | **65** | **40** | **0** | **1** | **(s)** | **2** | **(s)** |
| **1984** | **Average** | **65** | **3** | **188** | **0** | **114** | **112** | **42** | **0** | **13** | **(s)** | **11** | **0** |
| **1985** | **Average** | **58** | **0** | **40** | **0** | **32** | **31** | **28** | **0** | **8** | **(s)** | **29** | **1** |
| **1986** | **Average** | **54** | **0** | **25** | **0** | **60** | **53** | **21** | **0** | **18** | **(s)** | **53** | **0** |
| **1987** | **Average** | **60** | **0** | **29** | **0** | **80** | **70** | **21** | **0** | **11** | **0** | **55** | **0** |
| **1988** | **Average** | **61** | **0** | **36** | **0** | **67** | **62** | **22** | **0** | **29** | **0** | **68** | **0** |
| **1989** | **Average** | **49** | **0** | **42** | **0** | **138** | **127** | **32** | **0** | **48** | **0** | **67** | **0** |
| **1990** | **Average** | **55** | **0** | **31** | **0** | **102** | **96** | **32** | **0** | **45** | **1** | **47** | **0** |
| **1991** | **Average** | **29** | **0** | **81** | **0** | **82** | **74** | **27** | **0** | **29** | **1** | **33** | **0** |
| **1992** | **Average** | **26** | **0** | **65** | **0** | **127** | **119** | **26** | **0** | **18** | **5** | **32** | **0** |
| **1993** | **Average** | **10** | **0** | **82** | **0** | **142** | **137** | **29** | **0** | **55** | **36** | **37** | **0** |
| **1994** | **Average** | **32** | **0** | **98** | **0** | **202** | **190** | **22** | **0** | **30** | **27** | **37** | **0** |
| **1995** | **Average** | **15** | **0** | **52** | **0** | **273** | **258** | **15** | **0** | **25** | **14** | **16** | **1** |
| **1996** | January | 16 | 0 | 59 | 0 | 199 | 178 | 6 | 0 | 11 | 0 | 23 | 0 |
| | February | 38 | 0 | 101 | 0 | 236 | 221 | 17 | 0 | 14 | 0 | 23 | 0 |
| | March | 35 | 0 | 35 | 0 | 284 | 264 | 24 | 0 | 18 | 0 | 58 | 0 |
| | April | 20 | 0 | 50 | 0 | 375 | 357 | 17 | 0 | 0 | 0 | 36 | 0 |
| | May | 9 | 0 | 47 | 0 | 380 | 364 | 22 | 0 | 63 | 63 | 21 | 0 |
| | June | 26 | 0 | 52 | 0 | 434 | 408 | 25 | 0 | 14 | 14 | 12 | 0 |
| | July | 7 | 0 | 45 | 0 | 375 | 359 | 25 | 0 | 42 | 33 | 47 | 10 |
| | August | 14 | 0 | 53 | 0 | 369 | 362 | 33 | 0 | 32 | 32 | 21 | 0 |
| | September | 13 | 0 | 56 | 0 | 274 | 254 | 22 | 0 | 39 | 37 | 21 | 0 |
| | October | 24 | 0 | 97 | 0 | 389 | 359 | 14 | 0 | 42 | 33 | 34 | 0 |
| | November | 18 | 0 | 79 | 0 | 249 | 220 | 20 | 0 | 0 | 0 | 33 | 0 |
| | December | 14 | 0 | 98 | 0 | 187 | 166 | 18 | 0 | 26 | 0 | 13 | 0 |
| | **Average** | **19** | **0** | **64** | **0** | **313** | **293** | **20** | **0** | **25** | **18** | **29** | **1** |
| **1997** | January | 40 | 0 | 94 | 0 | 244 | 230 | 18 | 0 | 21 | 0 | 31 | 0 |
| | February | 33 | 0 | 60 | 0 | 204 | 179 | 16 | 0 | 19 | 0 | 36 | 0 |
| | March | 40 | 0 | 102 | 0 | 295 | 276 | 7 | 0 | 13 | 0 | 6 | 0 |
| | April | 20 | 0 | 114 | 0 | 307 | 294 | 12 | 0 | 20 | 0 | 9 | 0 |
| | May | 13 | 0 | 116 | 0 | 388 | 366 | 21 | 0 | 0 | 0 | 23 | 0 |
| | June | 37 | 0 | 66 | 0 | 329 | 318 | 13 | 0 | 8 | 0 | 45 | 0 |
| | July | 5 | 0 | 61 | 0 | 386 | 360 | 24 | 0 | 9 | 0 | 6 | 0 |
| | August | 15 | 0 | 65 | 0 | 321 | 320 | 20 | 0 | 32 | 19 | 41 | 0 |
| | September | 54 | 0 | 71 | 0 | 285 | 265 | 14 | 0 | 0 | 0 | 21 | 0 |
| | October | 13 | 0 | 46 | 0 | 346 | 312 | 19 | 0 | 13 | 6 | 12 | 0 |
| | November | 28 | 0 | 33 | 0 | 316 | 276 | 23 | 0 | 21 | 7 | 19 | 0 |
| | December | 1 | 0 | 54 | 0 | 275 | 249 | 10 | 0 | 0 | 0 | 5 | 0 |
| | **Average** | **25** | **0** | **74** | **0** | **309** | **288** | **16** | **0** | **13** | **3** | **21** | **0** |
| **1998** | January | 6 | 0 | 87 | 0 | 217 | 208 | 18 | 0 | 0 | 0 | 15 | 0 |
| | February | 18 | 0 | 85 | 0 | 169 | 169 | 21 | 0 | 12 | 0 | 13 | 0 |
| | March | 5 | 0 | 90 | 32 | 210 | 198 | 5 | 0 | 3 | 0 | 0 | 0 |
| | April | 36 | 0 | 63 | 0 | 232 | 232 | 4 | 0 | (s) | 0 | 9 | 0 |
| | **4-Mo. Average** | **16** | **0** | **81** | **8** | **208** | **202** | **12** | **0** | **4** | **0** | **9** | **0** |
| **1997** | **4-Mo. Average** | **33** | **0** | **93** | **0** | **264** | **246** | **13** | **0** | **18** | **0** | **20** | **0** |
| **1996** | **4-Mo. Average** | **27** | **0** | **61** | **0** | **273** | **255** | **16** | **0** | **11** | **0** | **35** | **0** |

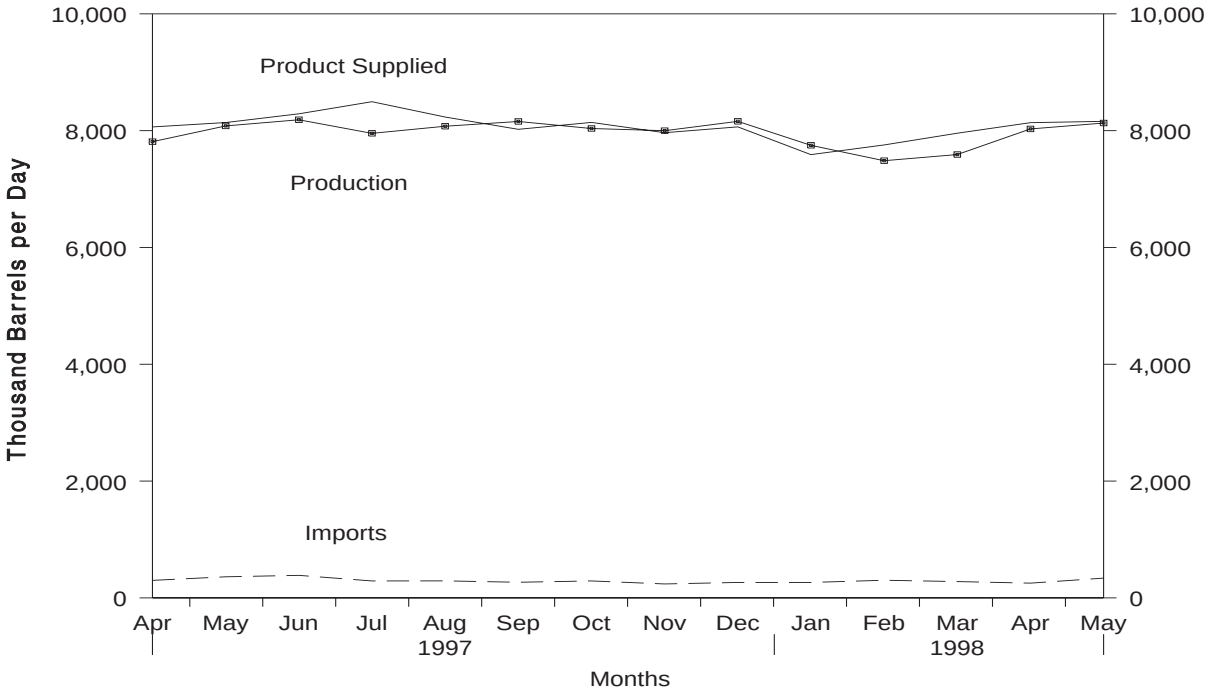
See footnotes at end of table.

## Table S3. Crude Oil and Petroleum Product Imports, 1982 - Present (Continued)
(Thousand Barrels per Day)

| Year/Month | Imports from Non-OPEC Sources[a] | | | | | | | | | | Total Imports | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Trinadad and Tobago | | United Kingdom | | Virgin Islands | | Other Non-OPEC | | Total Non-OPEC[c,d] | | | |
| | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil | Total | Crude Oil |
| **1982 Average** | **112** | **92** | **456** | **441** | **316** | **0** | **306** | **174** | **2,968** | **1,754** | **5,113** | **3,488** |
| **1983 Average** | **96** | **83** | **382** | **365** | **282** | **0** | **378** | **215** | **3,189** | **1,853** | **5,051** | **3,329** |
| **1984 Average** | **94** | **87** | **402** | **378** | **294** | **0** | **411** | **210** | **3,388** | **1,914** | **5,437** | **3,426** |
| **1985 Average** | **113** | **98** | **310** | **278** | **247** | **0** | **394** | **137** | **3,237** | **1,888** | **5,067** | **3,201** |
| **1986 Average** | **125** | **93** | **350** | **317** | **244** | **0** | **426** | **144** | **3,387** | **2,065** | **6,224** | **4,178** |
| **1987 Average** | **106** | **75** | **352** | **304** | **272** | **0** | **459** | **196** | **3,617** | **2,274** | **6,678** | **4,674** |
| **1988 Average** | **97** | **71** | **315** | **254** | **242** | **0** | **487** | **196** | **3,882** | **2,411** | **7,402** | **5,107** |
| **1989 Average** | **94** | **73** | **215** | **160** | **321** | **0** | **457** | **197** | **3,921** | **2,467** | **8,061** | **5,843** |
| **1990 Average** | **96** | **76** | **189** | **155** | **282** | **0** | **417** | **180** | **3,721** | **2,381** | **8,018** | **5,894** |
| **1991 Average** | **88** | **72** | **138** | **106** | **243** | **0** | **282** | **137** | **3,535** | **2,405** | **7,627** | **5,782** |
| **1992 Average** | **95** | **70** | **230** | **200** | **249** | **0** | **335** | **149** | **3,796** | **2,676** | **7,888** | **6,083** |
| **1993 Average** | **74** | **55** | **350** | **312** | **254** | **0** | **452** | **240** | **4,266** | **3,100** | **8,620** | **6,787** |
| **1994 Average** | **77** | **62** | **458** | **396** | **328** | **0** | **450** | **239** | **4,749** | **3,483** | **8,996** | **7,063** |
| **1995 Average** | **70** | **62** | **383** | **341** | **278** | **0** | **302** | **181** | **4,833** | **3,889** | **8,835** | **7,230** |
| **1996** January | 92 | 71 | 364 | 238 | 390 | 0 | 406 | 188 | 5,244 | 3,932 | 9,364 | 7,303 |
| February | 56 | 56 | 374 | 280 | 343 | 0 | 275 | 169 | 4,660 | 3,479 | 8,390 | 6,612 |
| March | 63 | 52 | 346 | 252 | 311 | 0 | 373 | 215 | 4,932 | 3,788 | 9,092 | 7,215 |
| April | 87 | 55 | 481 | 347 | 359 | 0 | 333 | 157 | 5,421 | 4,125 | 9,429 | 7,371 |
| May | 97 | 71 | 421 | 316 | 298 | 0 | 429 | 282 | 5,465 | 4,332 | 10,007 | 8,029 |
| June | 86 | 54 | 312 | 234 | 292 | 0 | 561 | 402 | 5,663 | 4,526 | 9,938 | 7,958 |
| July | 70 | 58 | 244 | 195 | 344 | 0 | 456 | 292 | 5,201 | 4,082 | 9,820 | 7,800 |
| August | 81 | 59 | 274 | 177 | 279 | 0 | 508 | 348 | 5,321 | 4,177 | 9,986 | 8,041 |
| September | 51 | 37 | 165 | 90 | 268 | 0 | 502 | 318 | 4,938 | 3,891 | 9,142 | 7,353 |
| October | 70 | 55 | 264 | 136 | 325 | 0 | 477 | 240 | 5,566 | 4,196 | 9,837 | 7,701 |
| November | 96 | 75 | 199 | 160 | 253 | 0 | 513 | 318 | 5,277 | 4,145 | 9,244 | 7,344 |
| December | 58 | 54 | 253 | 167 | 294 | 0 | 438 | 245 | 5,487 | 4,142 | 9,417 | 7,307 |
| **Average** | **76** | **58** | **308** | **216** | **313** | **0** | **440** | **265** | **5,267** | **4,070** | **9,478** | **7,508** |
| **1997** January | 74 | 55 | 400 | 333 | 335 | 0 | 502 | 210 | 5,685 | 4,255 | 9,763 | 7,492 |
| February | 69 | 61 | 236 | 172 | 341 | 0 | 380 | 170 | 5,431 | 4,093 | 9,561 | 7,434 |
| March | 56 | 55 | 236 | 161 | 254 | 0 | 437 | 206 | 5,554 | 4,344 | 9,833 | 7,754 |
| April | 69 | 62 | 159 | 70 | 321 | 0 | 401 | 242 | 5,426 | 4,169 | 10,114 | 7,987 |
| May | 70 | 66 | 261 | 181 | 300 | 0 | 558 | 341 | 5,817 | 4,579 | 10,818 | 8,653 |
| June | 55 | 55 | 372 | 311 | 300 | 0 | 380 | 225 | 5,737 | 4,631 | 10,736 | 8,759 |
| July | 62 | 54 | 198 | 165 | 310 | 0 | 370 | 243 | 5,579 | 4,515 | 10,008 | 8,178 |
| August | 41 | 37 | 268 | 220 | 319 | 0 | 368 | 251 | 5,638 | 4,591 | 10,465 | 8,621 |
| September | 66 | 58 | 166 | 110 | 248 | 0 | 476 | 364 | 5,677 | 4,672 | 10,537 | 8,840 |
| October | 58 | 55 | 154 | 119 | 301 | 0 | 479 | 271 | 5,879 | 4,793 | 10,792 | 8,927 |
| November | 65 | 57 | 127 | 87 | 260 | 0 | 403 | 236 | 5,517 | 4,521 | 9,948 | 8,366 |
| December | 53 | 53 | 135 | 98 | 314 | 0 | 304 | 235 | 5,160 | 4,208 | 9,328 | 7,653 |
| **Average** | **61** | **56** | **226** | **169** | **300** | **0** | **422** | **250** | **5,593** | **4,450** | **10,162** | **8,225** |
| **1998** January | 58 | 54 | 232 | 166 | 283 | 0 | 408 | 276 | 5,609 | 4,551 | 9,893 | 8,185 |
| February | 60 | 60 | 170 | 89 | 296 | 0 | 358 | 224 | 5,299 | 4,260 | 9,577 | 7,770 |
| March | 53 | 53 | 95 | 70 | 334 | 0 | 376 | 236 | 4,976 | 3,995 | 9,694 | 7,989 |
| April | 48 | 48 | 224 | 154 | 272 | 0 | 444 | 254 | 5,633 | 4,570 | 10,398 | 8,523 |
| **4-Mo. Average** | **55** | **54** | **180** | **120** | **296** | **0** | **397** | **248** | **5,379** | **4,344** | **9,894** | **8,122** |
| **1997 4-Mo. Average** | **67** | **58** | **259** | **185** | **312** | **0** | **431** | **208** | **5,527** | **4,219** | **9,822** | **7,670** |
| **1996 4-Mo. Average** | **75** | **58** | **391** | **279** | **351** | **0** | **348** | **182** | **5,068** | **3,834** | **9,077** | **7,132** |

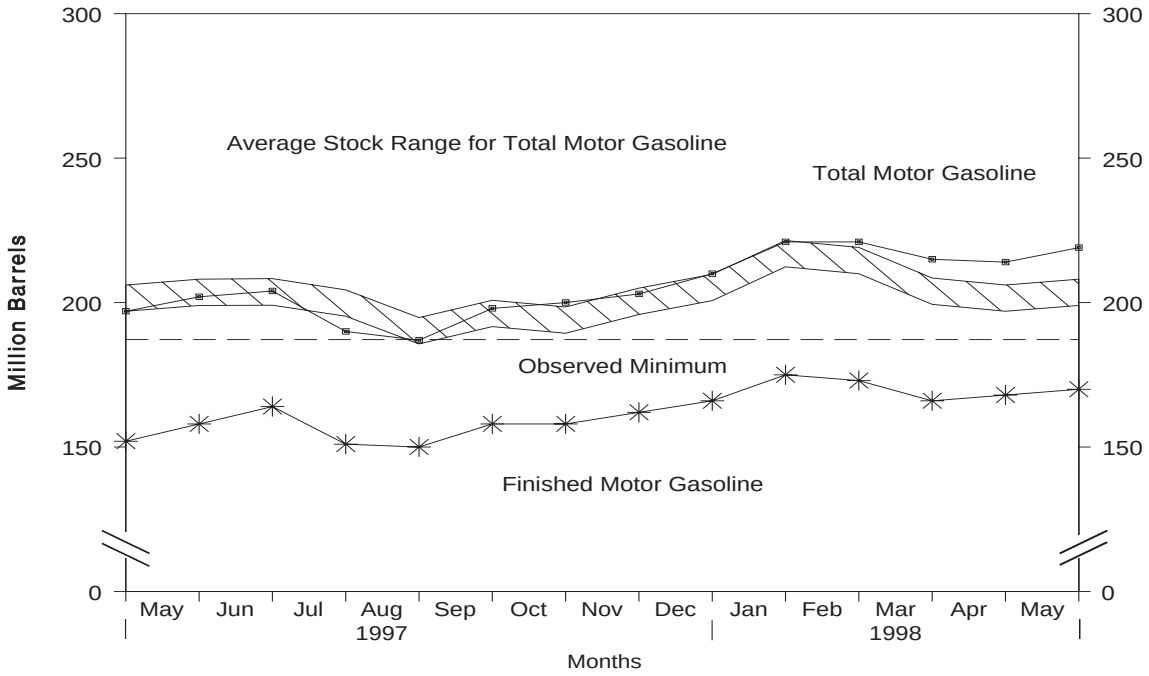
[a] Includes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries (OPEC) primarily from Caribbean and West European areas as petroleum products that were refined from crude oil produced by OPEC.
[b] Imports from the Neutral Zone between Kuwait and Saudi Arabia are included in imports from Saudi Arabia.
[c] On December 31, 1992, Ecuador withdrew as a member of OPEC. As of January 1, 1994, imports of petroleum from Ecuador appear under imports from Non-OPEC Sources.
[d] On December 31, 1994, Gabon withdrew as a member of OPEC. As of January 1, 1995, imports of petroleum from Gabon appear under imports from Non-OPEC Sources.
[e] Excludes petroleum imported into the United States indirectly from members of the Organization of Petroleum Exporting Countries (OPEC), primarily from Caribbean and West European areas, as petroleum products that were refined from crude oil produced by OPEC.
[f] Imports from other States in the former U.S.S.R. may be included in imports from Russia for the years 1981 through 1992.
[g] A small amount of Iranian crude oil entered the United States in January 1988 from the Virgin Islands. This oil originated in Iran and was exported to the Virgin Islands prior to the signing of Executive Order 12613 on October 29, 1987.
(s) = Less than 500 barrels per day.
— = Not Applicable.
Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

## Figure S5. Finished Motor Gasoline Supply and Disposition, April 1997 - Present




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S4. See Summary Statistics Table and Figure Sources.

## Figure S6. Motor Gasoline Ending Stocks, April 1997 - Present




Note: • Total motor gasoline includes motor gasoline blending components and finished motor gasoline. • The Observed Minimum for total motor gasoline stocks in the last 36-month period was 187.2 million barrels, occurring in August 1997.

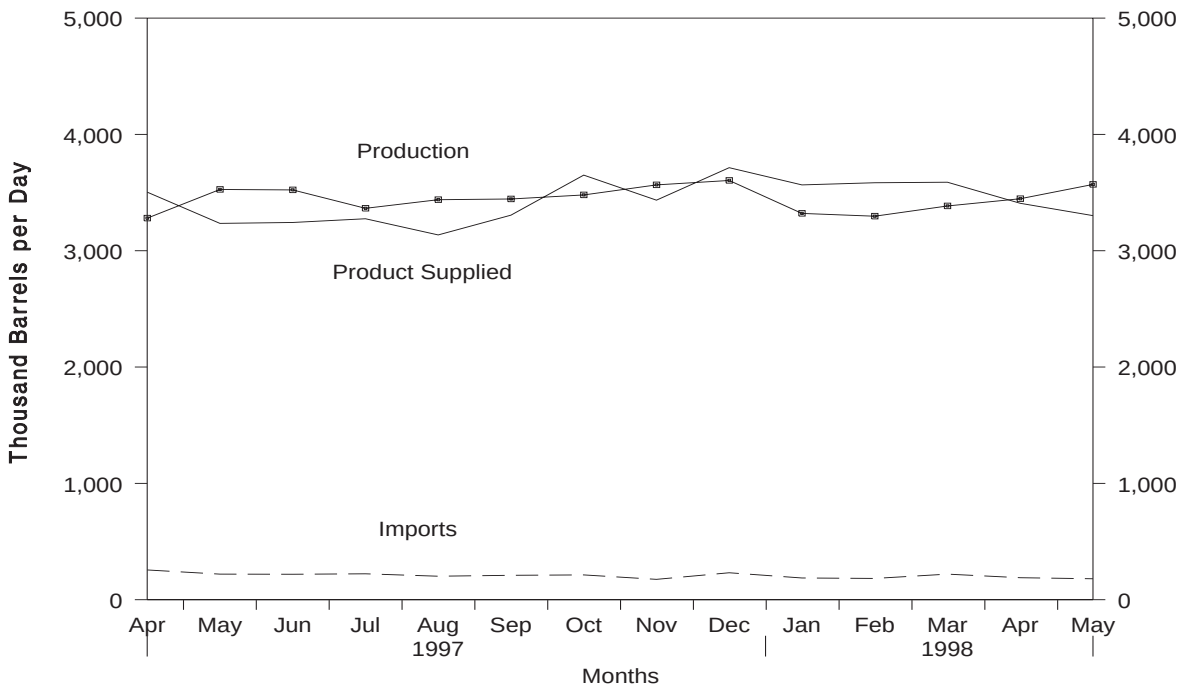
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S4. See Summary Statistics Table and Figure Sources.

## Table S4. Finished Motor Gasoline Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | Disposition | | | Ending Stocks[a] (Million Barrels) | | Ending Stocks (Million Barrels) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Motor Gasoline | | |
| | | Total Production[b] | Imports[c] | Stock Change[c,d] | Exports | Product Supplied[b] | Total[e] | Finished | Oxygenates |
| **1982** | **Average** | **6,338** | **197** | **-25** | **20** | **6,539** | [f] **235** | [f] **194** | **--** |
| **1983** | **Average** | **6,340** | **247** | [f] **-45** | **10** | **6,622** | **222** | **186** | **--** |
| **1984** | **Average** | **6,453** | **299** | **54** | **6** | **6,693** | **243** | **205** | **--** |
| **1985** | **Average** | **6,419** | **381** | **-41** | **10** | **6,831** | **223** | **190** | **--** |
| **1986** | **Average** | **6,752** | **326** | **11** | **33** | **7,034** | **233** | **194** | **--** |
| **1987** | **Average** | **6,841** | **384** | **-15** | **35** | **7,206** | **226** | **189** | **--** |
| **1988** | **Average** | **6,956** | **405** | **3** | **22** | **7,336** | **228** | **190** | **--** |
| **1989** | **Average** | **6,963** | **369** | **-35** | **39** | **7,328** | **213** | **177** | **--** |
| **1990** | **Average** | **6,959** | **342** | **10** | **55** | **7,235** | **220** | **181** | **--** |
| **1991** | **Average** | **6,975** | **297** | **3** | **82** | **7,188** | **219** | **182** | **--** |
| **1992** | **Average** | **7,058** | **294** | **-11** | **96** | **7,268** | **216** | **178** | **--** |
| **1993** | **Average** | **7,360** | **247** | **26** | **105** | **7,476** | **226** | **187** | **13** |
| **1994** | **Average** | **7,312** | **356** | **-31** | **97** | **7,601** | **215** | **176** | **17** |
| **1995** | **Average** | **7,588** | **265** | **-40** | **104** | **7,789** | **202** | **161** | **12** |
| **1996** | January | 7,370 | 303 | 240 | 163 | 7,271 | 215 | 169 | 12 |
| | February | 7,369 | 293 | -10 | 72 | 7,599 | 214 | 168 | 12 |
| | March | 7,289 | 303 | -327 | 128 | 7,792 | 203 | 158 | 13 |
| | April | 7,497 | 501 | 49 | 77 | 7,873 | 203 | 160 | 13 |
| | May | 7,804 | 414 | 66 | 81 | 8,071 | 205 | 162 | 12 |
| | June | 7,858 | 393 | 68 | 95 | 8,088 | 205 | 164 | 11 |
| | July | 7,924 | 359 | -5 | 123 | 8,165 | 202 | 164 | 11 |
| | August | 7,796 | 346 | -284 | 82 | 8,343 | 191 | 155 | 12 |
| | September | 7,606 | 339 | 215 | 68 | 7,662 | 200 | 161 | 11 |
| | October | 7,557 | 253 | -396 | 113 | 8,093 | 189 | 149 | 11 |
| | November | 7,864 | 234 | 55 | 128 | 7,915 | 188 | 151 | 12 |
| | December | 7,815 | 298 | 202 | 117 | 7,794 | 195 | 157 | 13 |
| | **Average** | **7,647** | **336** | **-12** | **104** | **7,891** | **--** | **--** | **--** |
| **1997** | January | 7,307 | 320 | 250 | 75 | 7,301 | 208 | 165 | 13 |
| | February | 7,341 | 324 | -114 | 111 | 7,668 | 204 | 162 | 13 |
| | March | 7,302 | 370 | -247 | 123 | 7,796 | 200 | 154 | 14 |
| | April | 7,811 | 300 | -70 | 117 | 8,064 | 197 | 152 | 13 |
| | May | 8,081 | 362 | 203 | 101 | 8,139 | 202 | 158 | 13 |
| | June | 8,186 | 387 | 189 | 96 | 8,288 | 204 | 164 | 12 |
| | July | 7,954 | 291 | -414 | 164 | 8,496 | 190 | 151 | 13 |
| | August | 8,075 | 292 | -41 | 175 | 8,233 | 187 | 150 | 13 |
| | September | 8,158 | 269 | 275 | 130 | 8,023 | 198 | 158 | 13 |
| | October | 8,037 | 291 | 1 | 186 | 8,141 | 200 | 158 | 12 |
| | November | 7,999 | 239 | 122 | 151 | 7,965 | 203 | 162 | 12 |
| | December | 8,160 | 265 | 154 | 206 | 8,065 | 210 | 166 | 12 |
| | **Average** | **7,870** | **309** | **26** | **137** | **8,017** | **--** | **--** | **--** |
| **1998** | January | 7,749 | 265 | 296 | 128 | 7,590 | 221 | 175 | 13 |
| | February | 7,485 | 303 | -90 | 124 | 7,755 | 221 | 173 | 14 |
| | March | 7,591 | 280 | -205 | 121 | 7,956 | 215 | 166 | 13 |
| | April | [R] 8,029 | [R] 253 | [R] 64 | [R] 81 | [R] 8,137 | [R] 214 | [R] 168 | 13 |
| | May* | [E] *8,130* | [E] *339* | [E] *213* | [E] *97* | [E] *8,159* | [E] *219* | [E] *170* | NA |
| | **5-Mo. Average** | [E] **7,801** | [E] **288** | [E] **58** | [E] **110** | [E] **7,921** | **--** | **--** | **--** |
| **1997** | **5-Mo. Average** | **7,571** | **336** | **7** | **106** | **7,794** | **--** | **--** | **--** |
| **1996** | **5-Mo. Average** | **7,467** | **363** | **3** | **105** | **7,722** | **--** | **--** | **--** |

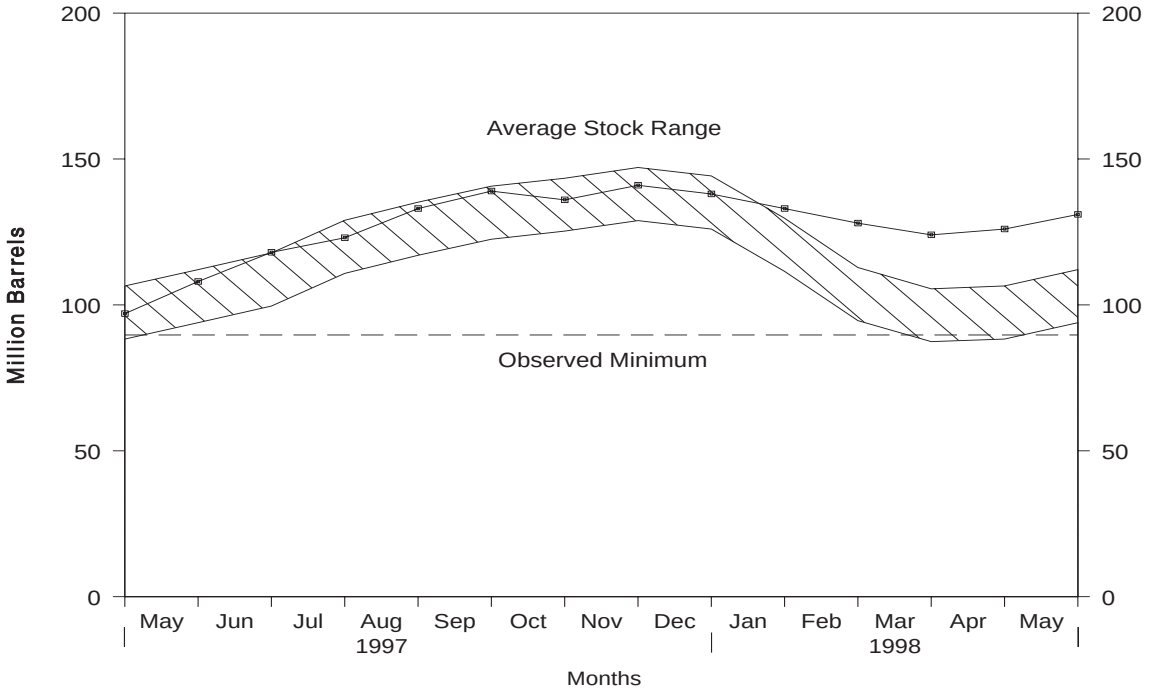
[a] Stocks are totals as of end of period.
[b] Beginning in 1993, motor gasoline production and product supplied includes blending of fuel ethanol and an adjustment to correct for the imbalance of motor gasoline blending components.
[c] Beginning in 1981, excludes blending components.
[d] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[e] Includes motor gasoline blending components but excludes stocks of oxygenates.
[f] In January 1981 and 1983, numerous respondents were added to surveys affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
R = Revised data. E = Estimated. NA = Not Available.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S7. Distillate Fuel Oil Supply and Disposition, April 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S5. See Summary Statistics Table and Figure Sources.

**Figure S8. Distillate Fuel Oil Ending Stocks, April 1997 - Present**



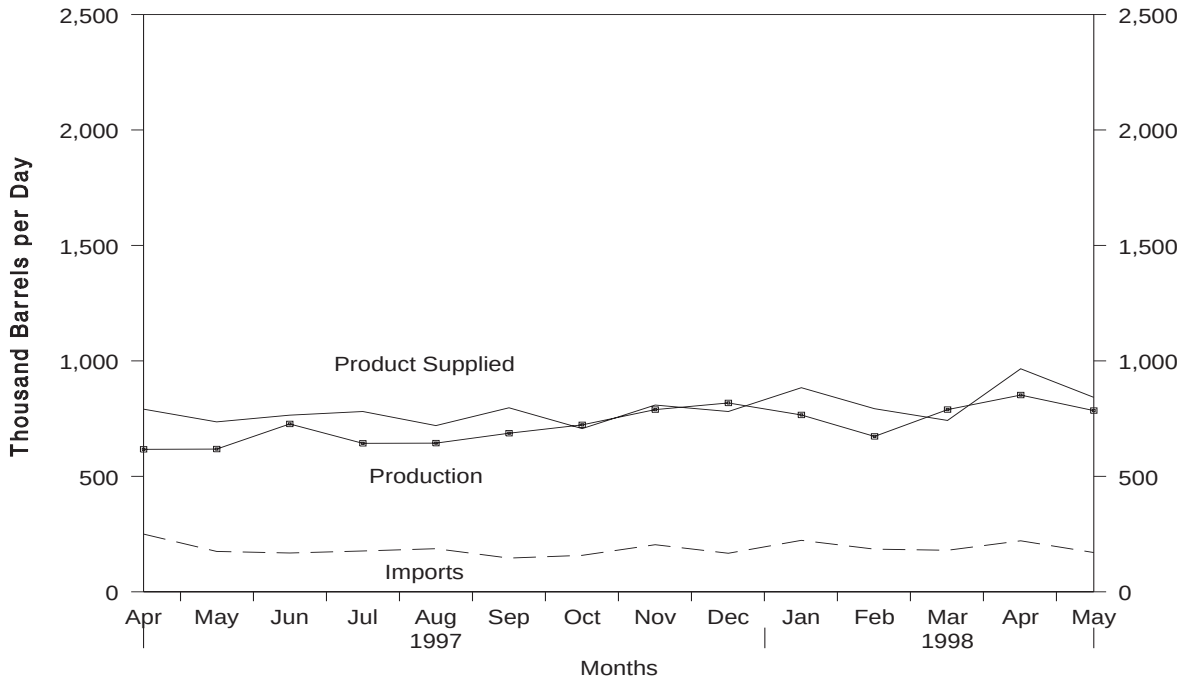

Note: The Observed Minimum for distillate fuel oil stocks in the last 36-month period was 89.7 million barrels, occurring in March 1996.
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S5. See Summary Statistics Table and Figure Sources.

## Table S5. Distillate Fuel Oil Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply[a] | | Disposition | | | Ending Stocks[b] (Million Barrels) | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Total Production | Imports | Stock Change[c] | Exports | Product Supplied[a] | Total | 0.05% Sulfur and Under | Greater than 0.05% Sulfur |
| **1982** | **Average** | **2,606** | **93** | **-35** | **74** | **2,671** | [d] **179** | **--** | **--** |
| **1983** | **Average** | **2,456** | **174** | [d] **-124** | **64** | **2,690** | **140** | **--** | **--** |
| **1984** | **Average** | **2,681** | **272** | **57** | **51** | **2,845** | **161** | **--** | **--** |
| **1985** | **Average** | **2,687** | **200** | **-48** | **67** | **2,868** | **144** | **--** | **--** |
| **1986** | **Average** | **2,798** | **247** | **31** | **100** | **2,914** | **155** | **--** | **--** |
| **1987** | **Average** | **2,731** | **255** | **-56** | **66** | **2,976** | **134** | **--** | **--** |
| **1988** | **Average** | **2,859** | **302** | **-30** | **69** | **3,122** | **124** | **--** | **--** |
| **1989** | **Average** | **2,899** | **306** | **-49** | **97** | **3,157** | **106** | **--** | **--** |
| **1990** | **Average** | **2,925** | **278** | **73** | **109** | **3,021** | **132** | **--** | **--** |
| **1991** | **Average** | **2,962** | **205** | **31** | **215** | **2,921** | **144** | **--** | **--** |
| **1992** | **Average** | **2,974** | **216** | **-8** | **219** | **2,979** | **141** | **--** | **--** |
| **1993** | **Average** | **3,132** | **184** | **1** | **274** | **3,041** | **141** | **64** | **77** |
| **1994** | **Average** | **3,205** | **203** | **12** | **234** | **3,162** | **145** | **73** | **73** |
| **1995** | **Average** | **3,155** | **193** | **-41** | **183** | **3,207** | **130** | **67** | **63** |
| **1996** | January | 3,105 | 267 | -528 | 216 | 3,684 | 114 | 58 | 55 |
| | February | 3,133 | 279 | -570 | 256 | 3,727 | 97 | 53 | 44 |
| | March | 3,107 | 256 | -247 | 139 | 3,471 | 90 | 49 | 40 |
| | April | 3,300 | 258 | 13 | 166 | 3,379 | 90 | 52 | 38 |
| | May | 3,256 | 231 | 182 | 176 | 3,128 | 96 | 57 | 39 |
| | June | 3,283 | 185 | 198 | 81 | 3,189 | 102 | 60 | 41 |
| | July | 3,127 | 194 | 166 | 134 | 3,021 | 107 | 62 | 45 |
| | August | 3,280 | 195 | 112 | 182 | 3,180 | 110 | 62 | 49 |
| | September | 3,392 | 193 | 157 | 256 | 3,172 | 115 | 64 | 51 |
| | October | 3,627 | 246 | -8 | 300 | 3,581 | 115 | 60 | 54 |
| | November | 3,641 | 205 | 234 | 171 | 3,442 | 122 | 65 | 57 |
| | December | 3,536 | 253 | 160 | 206 | 3,422 | 127 | 68 | 58 |
| | **Average** | **3,316** | **230** | **-10** | **190** | **3,365** | **--** | **--** | **--** |
| **1997** | January | 3,119 | 293 | -508 | 133 | 3,786 | 111 | 60 | 51 |
| | February | 3,090 | 246 | -197 | 107 | 3,427 | 105 | 56 | 49 |
| | March | 3,244 | 245 | -137 | 120 | 3,505 | 101 | 58 | 43 |
| | April | 3,280 | 256 | -134 | 166 | 3,504 | 97 | 59 | 39 |
| | May | 3,527 | 220 | 359 | 153 | 3,235 | 108 | 63 | 45 |
| | June | 3,523 | 219 | 326 | 174 | 3,243 | 118 | 65 | 53 |
| | July | 3,365 | 223 | 161 | 151 | 3,275 | 123 | 64 | 59 |
| | August | 3,439 | 202 | 320 | 185 | 3,136 | 133 | 69 | 64 |
| | September | 3,445 | 210 | 189 | 160 | 3,306 | 139 | 69 | 70 |
| | October | 3,480 | 213 | -89 | 133 | 3,650 | 136 | 63 | 73 |
| | November | 3,566 | 175 | 156 | 149 | 3,435 | 141 | 68 | 73 |
| | December | 3,604 | 232 | -70 | 192 | 3,714 | 138 | 68 | 70 |
| | **Average** | **3,392** | **228** | **32** | **152** | **3,435** | **--** | **--** | **--** |
| **1998** | January | 3,321 | 187 | -192 | 133 | 3,566 | 133 | 68 | 65 |
| | February | 3,297 | 183 | -183 | 79 | 3,585 | 128 | 65 | 63 |
| | March | 3,385 | 220 | -113 | 129 | 3,589 | 124 | 63 | 61 |
| | April | [R] 3,447 | [R] 189 | [R] 42 | [R] 186 | [R] 3,408 | [R] 126 | 63 | [R] 63 |
| | May* | [E] *3,570* | [E] *180* | [E] *273* | [E] *175* | [E] *3,302* | [E] *131* | [E] *66* | [E] *65* |
| | **5-Mo. Average** | [E] **3,406** | [E] **192** | [E] **-32** | [E] **141** | [E] **3,489** | **--** | **--** | **--** |
| **1997** | **5-Mo. Average** | **3,255** | **252** | **-122** | **136** | **3,493** | **--** | **--** | **--** |
| **1996** | **5-Mo. Average** | **3,180** | **258** | **-227** | **190** | **3,475** | **--** | **--** | **--** |

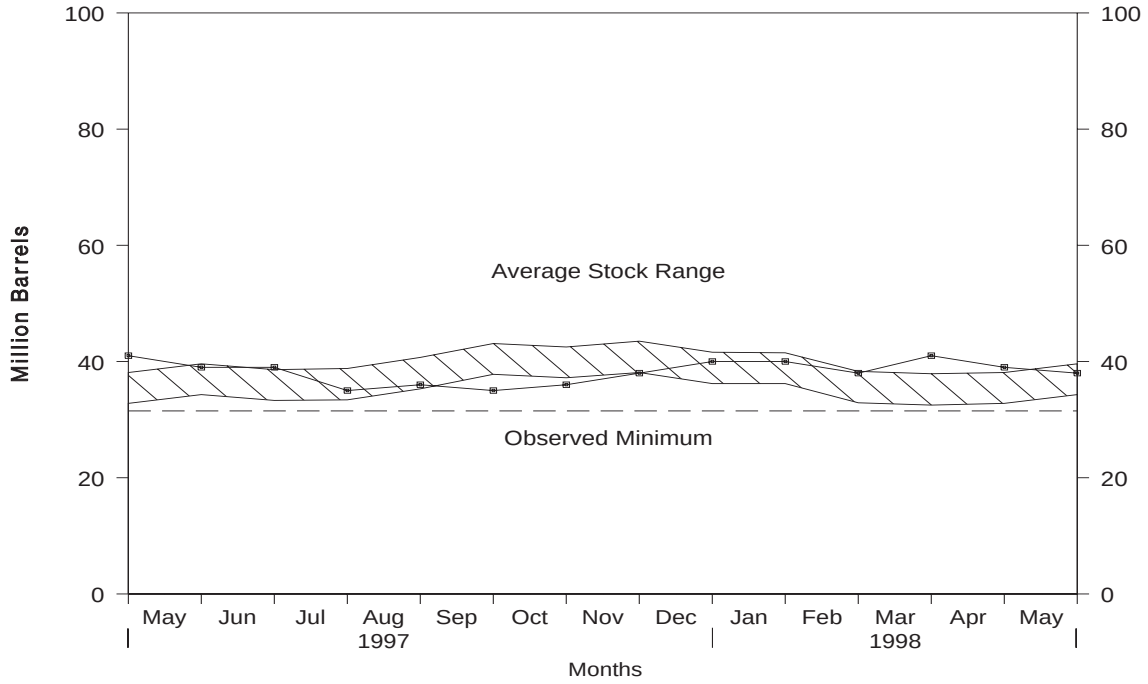
[a] Excludes 10,000 barrels per day in 1981 and 1982 previously published as crude used directly.
[b] Stocks are totals as of end of period.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[d] In January 1981 and 1983, numerous respondents were added to surveys affecting stocks reported and stock change calculations. Stock changes are calculated using new stock basis stock levels. See Summary Statistics Explanatory Note 4.
R = Revised data. E = Estimated.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S9. Residual Fuel Oil Supply and Disposition, April 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S6. See Summary Statistics Table and Figure Sources.

**Figure S10. Residual Fuel Oil Ending Stocks, April 1997 - Present**



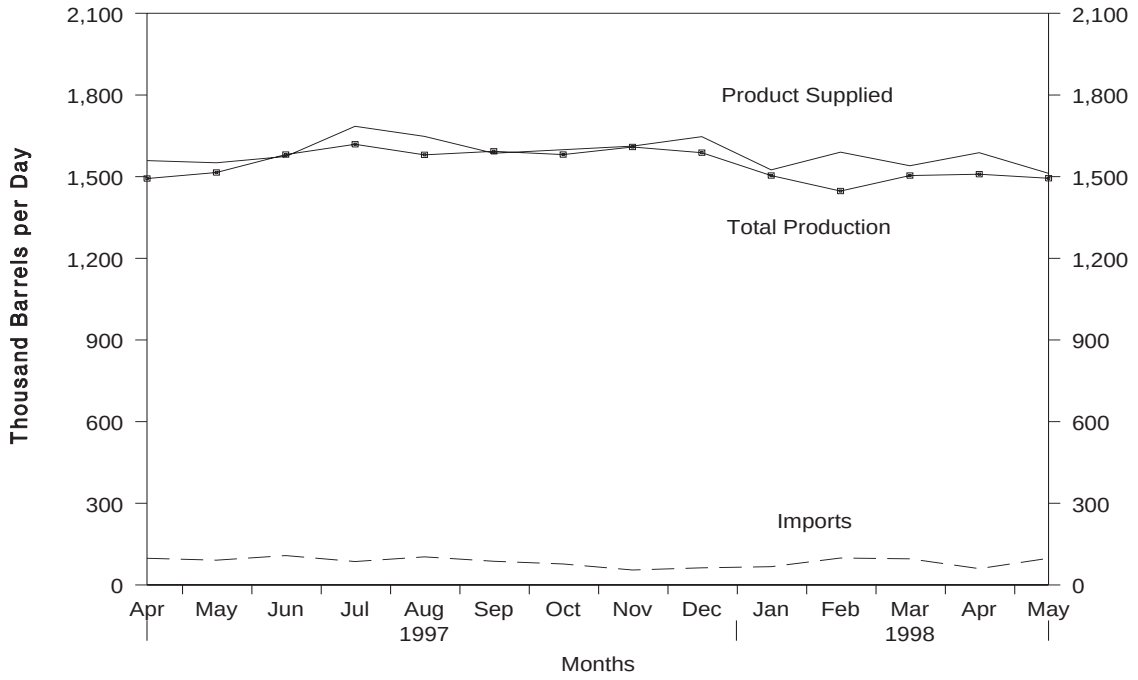

Note: The Observed Minimum for residual fuel oil stocks in the last 36-month period was 31.5 million barrels, occurring in February 1996.
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S6. See Summary Statistics Table and Figure Sources.

## Table S6. Residual Fuel Oil Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply[a] | | Disposition | | | Ending Stocks[c] (Million Barrels) |
|---|---|---|---|---|---|---|---|
| | | Total Production | Imports | Stock Change[b] | Exports | Product Supplied[a] | |
| **1982** | **Average** | **1,070** | **776** | **-32** | **209** | **1,716** | [d] **66** |
| **1983** | **Average** | **852** | **699** | [d] **-55** | **185** | **1,421** | **49** |
| **1984** | **Average** | **891** | **681** | **12** | **190** | **1,369** | **53** |
| **1985** | **Average** | **882** | **510** | **-7** | **197** | **1,202** | **50** |
| **1986** | **Average** | **889** | **669** | **-8** | **147** | **1,418** | **47** |
| **1987** | **Average** | **885** | **565** | **(s)** | **186** | **1,264** | **47** |
| **1988** | **Average** | **926** | **644** | **-8** | **200** | **1,378** | **45** |
| **1989** | **Average** | **954** | **629** | **-2** | **215** | **1,370** | **44** |
| **1990** | **Average** | **950** | **504** | **13** | **211** | **1,229** | **49** |
| **1991** | **Average** | **934** | **453** | **4** | **226** | **1,158** | **50** |
| **1992** | **Average** | **892** | **375** | **-20** | **193** | **1,094** | **43** |
| **1993** | **Average** | **835** | **373** | **4** | **123** | **1,080** | **44** |
| **1994** | **Average** | **826** | **314** | **-6** | **125** | **1,021** | **42** |
| **1995** | **Average** | **788** | **187** | **-13** | **136** | **852** | **37** |
| **1996** | January | 799 | 320 | -54 | 108 | 1,064 | 36 |
| | February | 798 | 222 | -132 | 114 | 1,038 | 32 |
| | March | 700 | 227 | -4 | 95 | 836 | 32 |
| | April | 671 | 237 | 69 | 96 | 743 | 34 |
| | May | 732 | 203 | 18 | 89 | 827 | 34 |
| | June | 731 | 168 | 21 | 144 | 735 | 35 |
| | July | 646 | 335 | -3 | 88 | 896 | 35 |
| | August | 732 | 227 | 32 | 56 | 871 | 36 |
| | September | 713 | 197 | 68 | 125 | 717 | 38 |
| | October | 694 | 260 | 16 | 104 | 835 | 38 |
| | November | 714 | 270 | 139 | 101 | 744 | 42 |
| | December | 778 | 307 | 112 | 102 | 872 | 46 |
| | **Average** | **726** | **248** | **24** | **102** | **848** | **--** |
| **1997** | January | 801 | 211 | -131 | 171 | 972 | 42 |
| | February | 795 | 253 | -66 | 137 | 977 | 40 |
| | March | 638 | 239 | 46 | 89 | 742 | 41 |
| | April | 617 | 250 | -29 | 105 | 791 | 41 |
| | May | 618 | 175 | -44 | 102 | 736 | 39 |
| | June | 727 | 168 | (s) | 130 | 765 | 39 |
| | July | 643 | 177 | -119 | 159 | 781 | 35 |
| | August | 644 | 187 | 31 | 80 | 720 | 36 |
| | September | 687 | 146 | -54 | 91 | 797 | 35 |
| | October | 723 | 158 | 41 | 133 | 707 | 36 |
| | November | 789 | 204 | 61 | 122 | 809 | 38 |
| | December | 818 | 167 | 83 | 120 | 781 | 40 |
| | **Average** | **708** | **194** | **-15** | **120** | **797** | **--** |
| **1998** | January | 766 | 223 | -25 | 131 | 884 | 40 |
| | February | 673 | 185 | -55 | 120 | 793 | 38 |
| | March | 789 | 180 | 93 | 135 | 742 | 41 |
| | April | [R] 852 | [R] 221 | [R] -60 | [R] 168 | [R] 966 | 39 |
| | May* | [E] *785* | [E] *170* | [E] *-6* | [E] *118* | [E] *842* | [E] *38* |
| | **5-Mo. Average** | [E] **775** | [E] **196** | [E] **-9** | [E] **134** | [E] **846** | **--** |
| **1997** | **5-Mo. Average** | **692** | **225** | **-45** | **121** | **841** | **--** |
| **1996** | **5-Mo. Average** | **740** | **242** | **-20** | **100** | **901** | **--** |

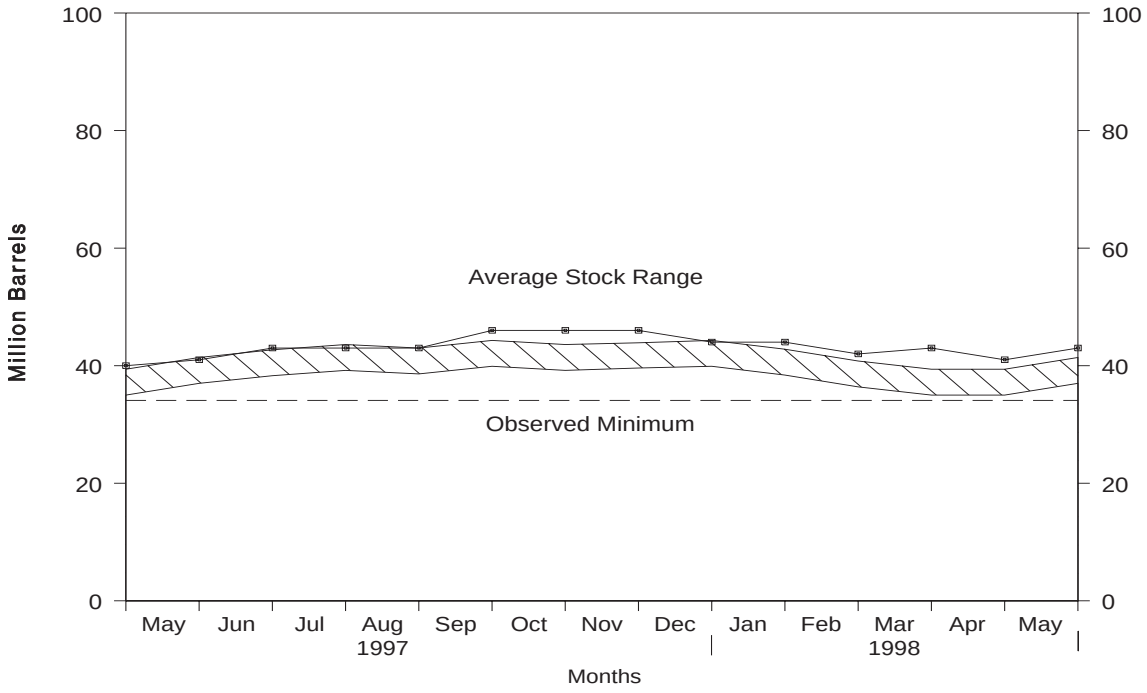
[a] Excludes 48,000 barrels per day in 1981 and 1982 previously published as crude used directly.
[b] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[c] Stocks are totals as of end of period.
[d] In January 1981 and 1983, numerous respondents were added to surveys affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
R = Revised data. (s) = Less than 500 barrels per day. E = Estimated.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Italics denote estimates based upon preliminary data. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S11. Jet Fuel Supply and Disposition, April 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S7. See Summary Statistics Table and Figure Sources.

**Figure S12. Jet Fuel Ending Stocks, April 1997 - Present**



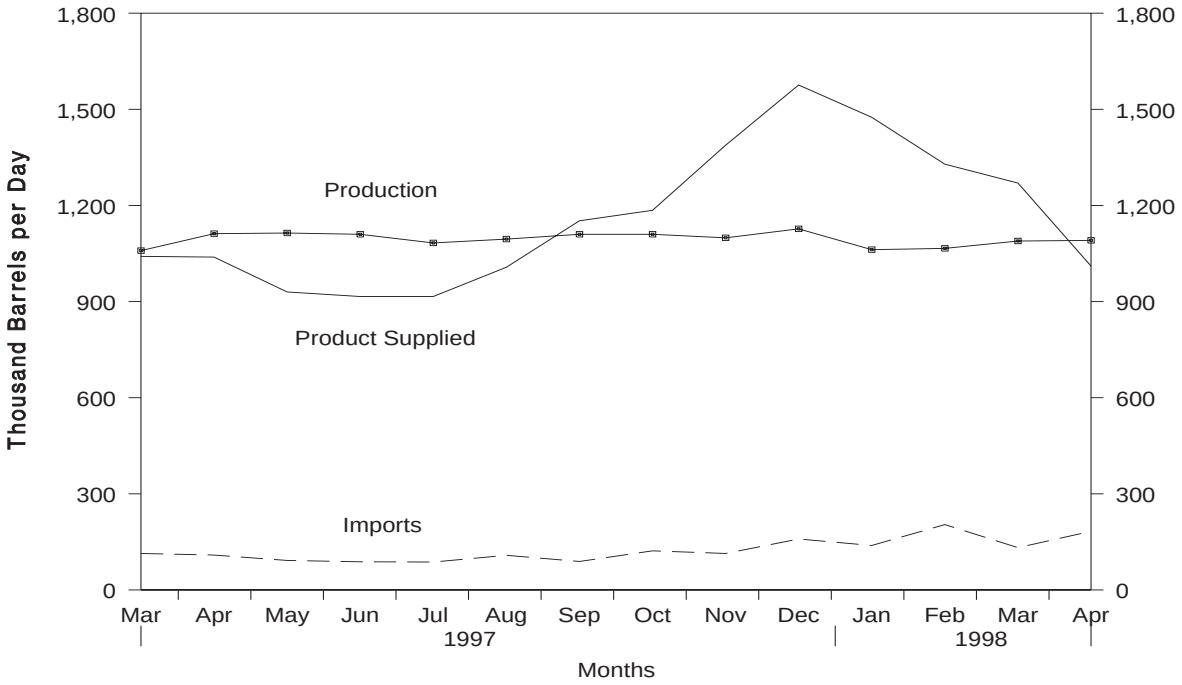

Note: The Observed Minimum for total jet fuel stocks in the last 36-month period was 34.1 million barrels, occurring in March 1996.
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S7. See Summary Statistics Table and Figure Sources.

## Table S7. Jet Fuel Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | | Disposition | | | | Ending Stocks[a] (Million Barrels) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Production | | | | | Product Supplied | | | |
| | | Total | Kerosene-Type | Imports | Stock Change[b] | Exports | Total | Kerosene-Type | Total | Kerosene-Type |
| **1982** | **Average** | **978** | **778** | **29** | **-12** | **6** | **1,013** | **804** | [c] **37** | [c] **31** |
| **1983** | **Average** | **1,022** | **817** | **29** | [c] **(s)** | **6** | **1,046** | **839** | **39** | **32** |
| **1984** | **Average** | **1,132** | **919** | **62** | **9** | **9** | **1,175** | **953** | **42** | **35** |
| **1985** | **Average** | **1,189** | **983** | **39** | **-4** | **13** | **1,218** | **1,005** | **40** | **34** |
| **1986** | **Average** | **1,293** | **1,097** | **57** | **25** | **18** | **1,307** | **1,105** | **50** | **43** |
| **1987** | **Average** | **1,343** | **1,138** | **67** | **(s)** | **24** | **1,385** | **1,181** | **50** | **42** |
| **1988** | **Average** | **1,370** | **1,164** | **90** | **-17** | **28** | **1,449** | **1,236** | **44** | **38** |
| **1989** | **Average** | **1,403** | **1,197** | **106** | **-8** | **27** | **1,489** | **1,284** | **41** | **34** |
| **1990** | **Average** | **1,488** | **1,311** | **108** | **31** | **43** | **1,522** | **1,340** | **52** | **46** |
| **1991** | **Average** | **1,438** | **1,274** | **67** | **-9** | **43** | **1,471** | **1,296** | **49** | **44** |
| **1992** | **Average** | **1,399** | **1,254** | **82** | **-16** | **43** | **1,454** | **1,310** | **43** | **39** |
| **1993** | **Average** | **1,422** | **1,309** | **100** | **-7** | **59** | **1,469** | **1,357** | **40** | **38** |
| **1994** | **Average** | **1,448** | **1,410** | **117** | **18** | **20** | **1,527** | **1,480** | **47** | **46** |
| **1995** | **Average** | **1,416** | **1,407** | **106** | **-19** | **26** | **1,514** | **1,497** | **40** | **39** |
| **1996** | January | 1,596 | 1,593 | 89 | -49 | 111 | 1,624 | 1,607 | 38 | 38 |
| | February | 1,499 | 1,495 | 100 | -129 | 67 | 1,661 | 1,658 | 35 | 35 |
| | March | 1,470 | 1,468 | 105 | -24 | 59 | 1,541 | 1,547 | 34 | 34 |
| | April | 1,466 | 1,464 | 113 | 51 | 11 | 1,517 | 1,515 | 36 | 35 |
| | May | 1,419 | 1,418 | 122 | 39 | 13 | 1,489 | 1,467 | 37 | 37 |
| | June | 1,514 | 1,512 | 127 | 71 | 11 | 1,558 | 1,556 | 39 | 39 |
| | July | 1,496 | 1,493 | 89 | -14 | 27 | 1,572 | 1,569 | 38 | 38 |
| | August | 1,510 | 1,507 | 104 | -2 | 34 | 1,582 | 1,580 | 38 | 38 |
| | September | 1,650 | 1,647 | 159 | 152 | 51 | 1,606 | 1,604 | 43 | 43 |
| | October | 1,485 | 1,484 | 126 | -55 | 35 | 1,631 | 1,636 | 41 | 41 |
| | November | 1,501 | 1,500 | 87 | -45 | 45 | 1,588 | 1,588 | 40 | 40 |
| | December | 1,575 | 1,574 | 110 | (s) | 115 | 1,570 | 1,573 | 40 | 40 |
| | **Average** | **1,515** | **1,513** | **111** | **(s)** | **48** | **1,578** | **1,575** | **--** | **--** |
| **1997** | January | 1,491 | 1,491 | 100 | -101 | 78 | 1,615 | 1,614 | 37 | 37 |
| | February | 1,511 | 1,510 | 116 | 31 | 23 | 1,572 | 1,571 | 38 | 38 |
| | March | 1,488 | 1,487 | 106 | 55 | 11 | 1,529 | 1,528 | 39 | 39 |
| | April | 1,493 | 1,492 | 98 | 11 | 21 | 1,559 | 1,558 | 40 | 40 |
| | May | 1,515 | 1,514 | 91 | 46 | 9 | 1,551 | 1,551 | 41 | 41 |
| | June | 1,581 | 1,580 | 108 | 77 | 38 | 1,574 | 1,573 | 43 | 43 |
| | July | 1,619 | 1,618 | 86 | -14 | 33 | 1,685 | 1,685 | 43 | 43 |
| | August | 1,580 | 1,579 | 103 | 7 | 27 | 1,648 | 1,648 | 43 | 43 |
| | September | 1,593 | 1,592 | 87 | 78 | 16 | 1,586 | 1,585 | 46 | 46 |
| | October | 1,581 | 1,580 | 77 | 19 | 40 | 1,599 | 1,599 | 46 | 46 |
| | November | 1,609 | 1,608 | 55 | 8 | 44 | 1,612 | 1,612 | 46 | 46 |
| | December | 1,588 | 1,588 | 63 | -75 | 78 | 1,647 | 1,647 | 44 | 44 |
| | **Average** | **1,554** | **1,554** | **91** | **11** | **35** | **1,599** | **1,598** | **--** | **--** |
| **1998** | January | 1,504 | 1,503 | 67 | 9 | 37 | 1,525 | 1,524 | 44 | 44 |
| | February | 1,447 | 1,447 | 99 | -70 | 25 | 1,590 | 1,590 | 42 | 42 |
| | March | 1,504 | 1,503 | 96 | 24 | 36 | 1,540 | 1,547 | 43 | 43 |
| | April | R 1,509 | R 1,508 | R 60 | R -51 | R 32 | R 1,588 | R 1,588 | R 41 | R 41 |
| | May* | E *1,494* | E *1,494* | E *98* | E *50* | E *31* | E *1,512* | E *1,511* | E *43* | E *43* |
| | **5-Mo. Average** | E **1,492** | E **1,492** | E **84** | E **-6** | E **32** | E **1,550** | E **1,551** | **--** | **--** |
| **1997** | **5-Mo. Average** | **1,499** | **1,499** | **102** | **8** | **29** | **1,565** | **1,564** | **--** | **--** |
| **1996** | **5-Mo. Average** | **1,490** | **1,488** | **106** | **-22** | **52** | **1,565** | **1,558** | **--** | **--** |

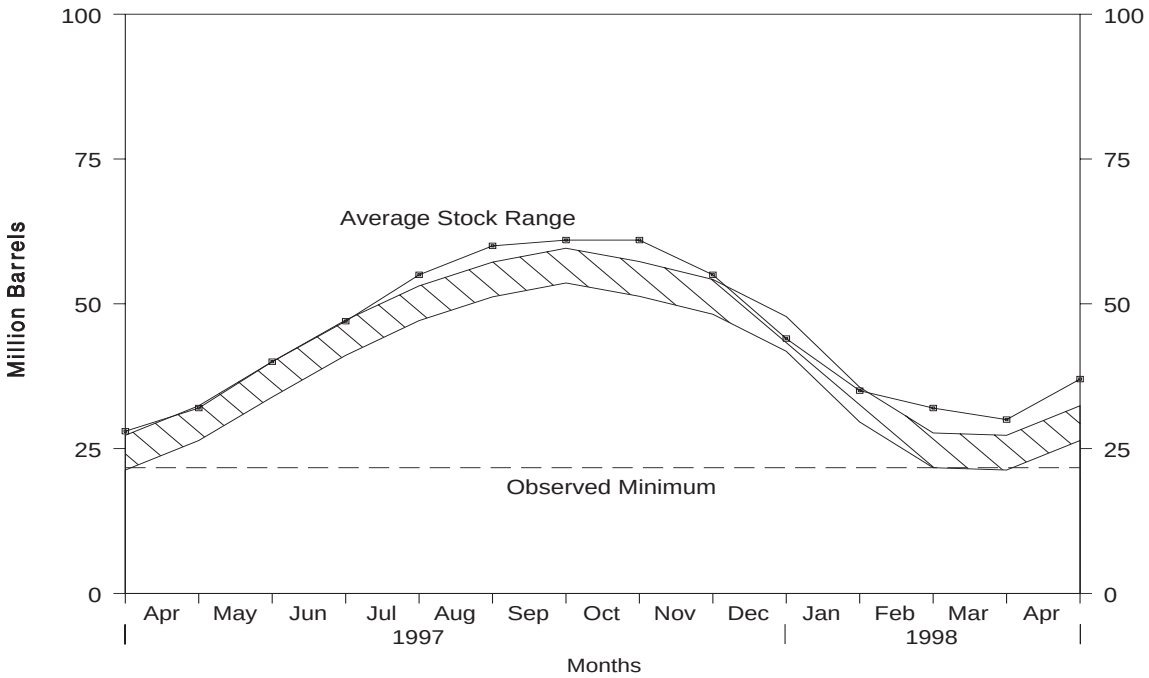
[a] Stocks are totals as of end of period.
[b] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[c] In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
R = Revised data. (s) = Less than 500 barrels per day. E= Estimated.
— = Not Applicable.
* See Summary Statistics Explanatory Note 1.
Notes: • Italics denote estimates based upon preliminary data.• Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S13. Propane/Propylene Supply and Disposition, March 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S8. See Summary Statistics Table and Figure Sources.

**Figure S14. Propane/Propylene Ending Stocks, March 1997 - Present**



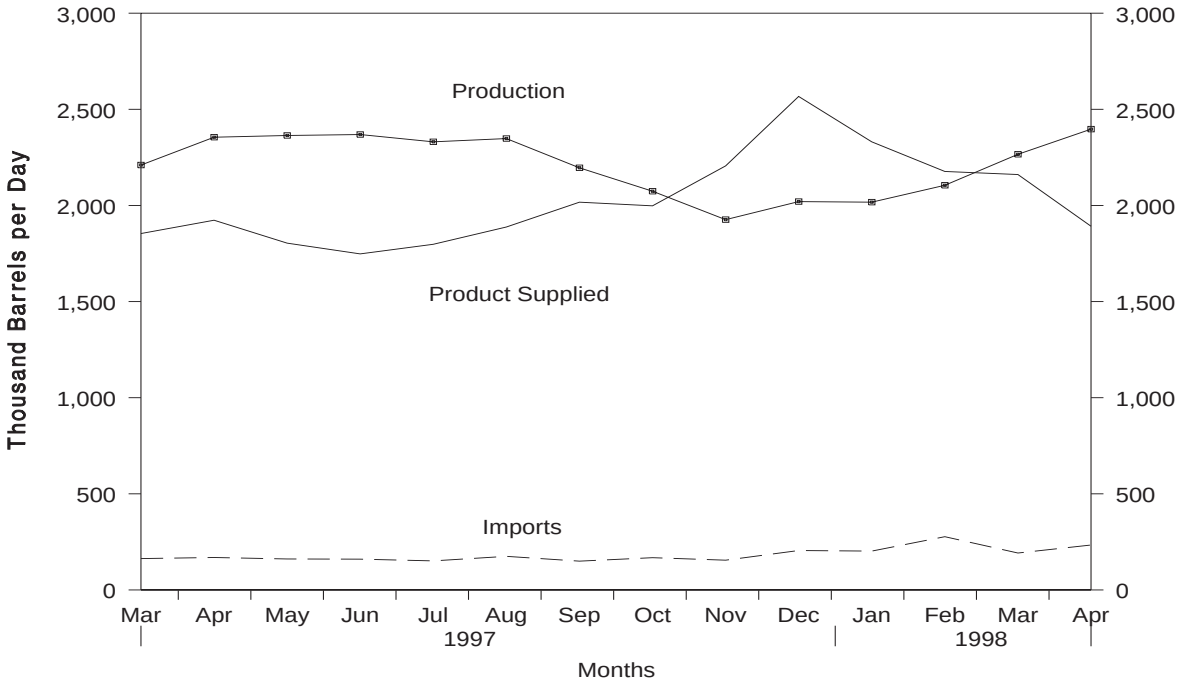

Note: The Observed Minimum for propane stocks in the last 36 month period was 21.7 million barrels, occurring in February 1996.
Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S8. See Summary Statistics Table and Figure Sources.

## Table S8. Propane/Propylene Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | Disposition | | | | Ending Stocks[b] (Million Barrels) |
|---|---|---|---|---|---|---|---|---|
| | | Total Production | Imports | Stock Change[a] | Refinery Inputs | Exports | Product Supplied | |
| **1982** | **Average** | **711** | **63** | **-59** | **4** | **31** | **798** | **[c] 54** |
| **1983** | **Average** | **730** | **44** | **[c] -24** | **4** | **43** | **751** | **[c] 48** |
| **1984** | **Average** | **806** | **67** | **[c] 7** | **4** | **30** | **833** | **58** |
| **1985** | **Average** | **816** | **67** | **-50** | **3** | **48** | **883** | **39** |
| **1986** | **Average** | **817** | **110** | **64** | **4** | **28** | **831** | **63** |
| **1987** | **Average** | **828** | **88** | **-41** | **8** | **24** | **924** | **48** |
| **1988** | **Average** | **863** | **106** | **7** | **8** | **31** | **923** | **50** |
| **1989** | **Average** | **862** | **111** | **-52** | **11** | **24** | **990** | **32** |
| **1990** | **Average** | **878** | **115** | **48** | **(s)** | **28** | **917** | **49** |
| **1991** | **Average** | **915** | **91** | **-3** | **(s)** | **28** | **982** | **48** |
| **1992** | **Average** | **956** | **85** | **-24** | **(s)** | **33** | **1,032** | **39** |
| **1993** | **Average** | **963** | **103** | **34** | **(s)** | **26** | **1,006** | **51** |
| **1994** | **Average** | **969** | **124** | **-13** | **0** | **24** | **1,082** | **46** |
| **1995** | **Average** | **1,021** | **102** | **-10** | **0** | **38** | **1,096** | **43** |
| **1996** | January | 995 | 151 | -353 | 0 | 30 | 1,468 | 32 |
| | February | 1,001 | 106 | -347 | 0 | 39 | 1,415 | 22 |
| | March | 1,043 | 116 | -1 | 0 | 25 | 1,135 | 22 |
| | April | 1,047 | 78 | 114 | 0 | 31 | 981 | 25 |
| | May | 1,048 | 104 | 209 | 0 | 21 | 922 | 32 |
| | June | 1,031 | 122 | 293 | 0 | 21 | 839 | 41 |
| | July | 1,043 | 114 | 188 | 0 | 29 | 940 | 46 |
| | August | 1,051 | 126 | 83 | 0 | 24 | 1,069 | 49 |
| | September | 1,057 | 95 | 97 | 0 | 21 | 1,034 | 52 |
| | October | 1,058 | 151 | -37 | 0 | 29 | 1,218 | 51 |
| | November | 1,063 | 147 | -148 | 0 | 34 | 1,324 | 46 |
| | December | 1,093 | 122 | -106 | 0 | 31 | 1,289 | 43 |
| | **Average** | **1,044** | **119** | **(s)** | **0** | **28** | **1,136** | **--** |
| **1997** | January | 1,039 | 149 | -340 | 0 | 28 | 1,501 | 32 |
| | February | 1,044 | 126 | -276 | 0 | 42 | 1,404 | 25 |
| | March | 1,059 | 114 | 92 | 0 | 40 | 1,041 | 28 |
| | April | 1,112 | 109 | 150 | 0 | 32 | 1,039 | 32 |
| | May | 1,114 | 92 | 252 | 0 | 23 | 930 | 40 |
| | June | 1,110 | 88 | 250 | 0 | 31 | 916 | 47 |
| | July | 1,083 | 87 | 231 | 0 | 24 | 916 | 55 |
| | August | 1,095 | 108 | 172 | 0 | 24 | 1,007 | 60 |
| | September | 1,110 | 89 | 30 | 0 | 16 | 1,152 | 61 |
| | October | 1,110 | 122 | 17 | 0 | 29 | 1,185 | 61 |
| | November | 1,099 | 114 | -223 | 0 | 48 | 1,388 | 55 |
| | December | 1,127 | 159 | -342 | 0 | 53 | 1,576 | 44 |
| | **Average** | **1,092** | **113** | **3** | **0** | **32** | **1,170** | **--** |
| **1998** | January | 1,062 | 139 | -303 | 0 | 29 | 1,475 | 35 |
| | February | 1,066 | 204 | -87 | 0 | 28 | 1,329 | 32 |
| | March | 1,089 | 132 | -77 | 0 | 28 | 1,270 | 30 |
| | April | 1,091 | 183 | 241 | 0 | 22 | 1,011 | 37 |
| | **4-Mo. Average** | **1,077** | **163** | **-58** | **0** | **27** | **1,272** | **--** |
| **1997** | **4-Mo. Average** | **1,064** | **124** | **-91** | **0** | **35** | **1,244** | **--** |
| **1996** | **4-Mo. Average** | **1,022** | **113** | **-146** | **0** | **31** | **1,249** | **--** |

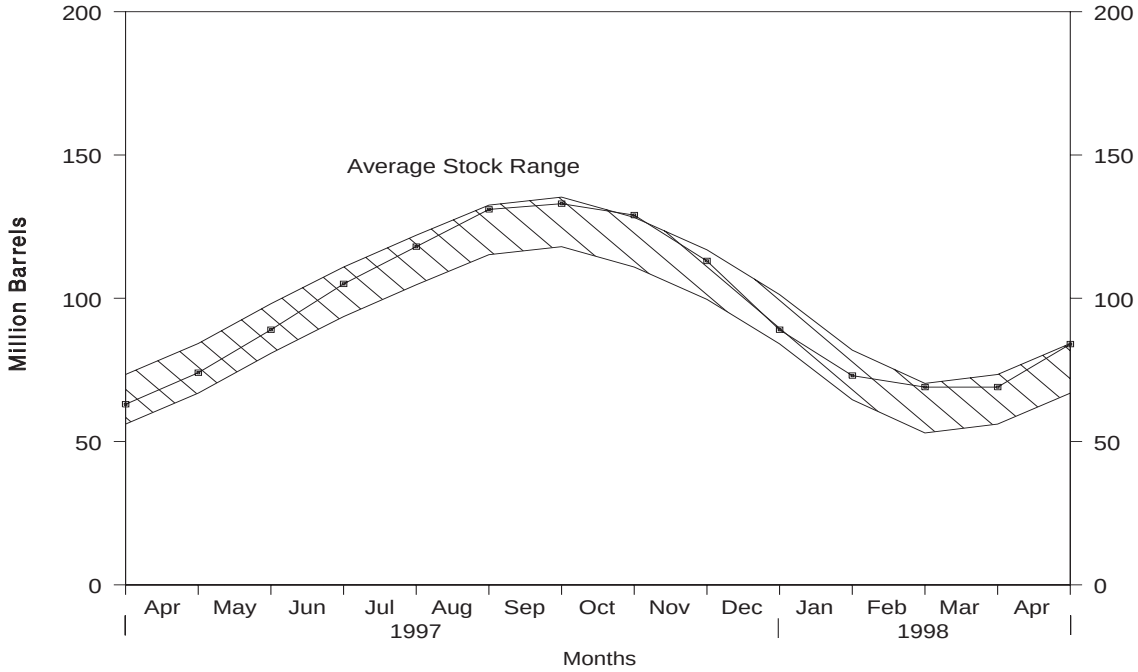
[a] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[b] Stocks are totals as of end of period.
[c] In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
(s) = Less than 500 barrels per day.
— = Not Applicable.
Notes: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

**Figure S15. Liquefied Petroleum Gases Supply and Disposition, March 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S9. See Summary Statistics Table and Figure Sources.

**Figure S16. Liquefied Petroleum Gases Ending Stocks, March 1997 - Present**




Source: Energy Information Administration, *Petroleum Supply Monthly*, Table S9. See Summary Statistics Table and Figure Sources.

## Table S9. Liquefied Petroleum Gases Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | Disposition | | | | Ending Stocks[b] (Million Barrels) |
|---|---|---|---|---|---|---|---|---|
| | | Total Production | Imports | Stock Change[a] | Refinery Inputs | Exports | Product Supplied | |
| **1982** | **Average** | **1,528** | **226** | **-111** | **300** | **65** | **1,499** | **[c] 94** |
| **1983** | **Average** | **1,642** | **190** | **[c] -4** | **253** | **73** | **1,509** | **[c] 101** |
| **1984** | **Average** | **1,697** | **195** | **[c] -19** | **291** | **48** | **1,572** | **101** |
| **1985** | **Average** | **1,704** | **187** | **-75** | **304** | **62** | **1,599** | **74** |
| **1986** | **Average** | **1,695** | **242** | **80** | **302** | **42** | **1,512** | **103** |
| **1987** | **Average** | **1,748** | **190** | **-15** | **304** | **38** | **1,612** | **97** |
| **1988** | **Average** | **1,817** | **209** | **1** | **321** | **49** | **1,656** | **97** |
| **1989** | **Average** | **1,791** | **181** | **-47** | **315** | **35** | **1,668** | **80** |
| **1990** | **Average** | **1,749** | **188** | **48** | **293** | **40** | **1,556** | **98** |
| **1991** | **Average** | **1,871** | **147** | **-15** | **304** | **41** | **1,689** | **92** |
| **1992** | **Average** | **1,972** | **131** | **-10** | **309** | **49** | **1,755** | **89** |
| **1993** | **Average** | **1,993** | **160** | **49** | **327** | **43** | **1,734** | **106** |
| **1994** | **Average** | **2,012** | **183** | **-19** | **296** | **38** | **1,880** | **99** |
| **1995** | **Average** | **2,082** | **146** | **-17** | **289** | **58** | **1,899** | **93** |
| **1996** | January | 1,906 | 208 | -649 | 419 | 49 | 2,295 | 73 |
| | February | 1,912 | 138 | -596 | 320 | 60 | 2,267 | 56 |
| | March | 2,181 | 165 | 15 | 246 | 38 | 2,047 | 56 |
| | April | 2,305 | 122 | 279 | 226 | 56 | 1,867 | 65 |
| | May | 2,287 | 156 | 315 | 215 | 67 | 1,846 | 74 |
| | June | 2,285 | 184 | 439 | 211 | 36 | 1,783 | 87 |
| | July | 2,264 | 182 | 385 | 201 | 72 | 1,787 | 99 |
| | August | 2,271 | 166 | 321 | 201 | 50 | 1,864 | 109 |
| | September | 2,194 | 150 | 165 | 260 | 47 | 1,871 | 114 |
| | October | 2,133 | 183 | -103 | 309 | 37 | 2,073 | 111 |
| | November | 2,041 | 177 | -466 | 377 | 41 | 2,265 | 97 |
| | December | 2,086 | 159 | -352 | 355 | 56 | 2,186 | 86 |
| | **Average** | **2,156** | **166** | **-19** | **278** | **51** | **2,012** | **--** |
| **1997** | January | 2,009 | 193 | -543 | 344 | 36 | 2,365 | 69 |
| | February | 2,072 | 178 | -450 | 321 | 78 | 2,301 | 57 |
| | March | 2,210 | 163 | 214 | 244 | 62 | 1,854 | 63 |
| | April | 2,355 | 169 | 349 | 211 | 41 | 1,923 | 74 |
| | May | 2,364 | 161 | 481 | 200 | 40 | 1,804 | 89 |
| | June | 2,369 | 160 | 534 | 203 | 43 | 1,748 | 105 |
| | July | 2,331 | 151 | 433 | 195 | 56 | 1,798 | 118 |
| | August | 2,348 | 175 | 408 | 190 | 37 | 1,888 | 131 |
| | September | 2,196 | 150 | 54 | 247 | 29 | 2,017 | 133 |
| | October | 2,074 | 168 | -100 | 302 | 42 | 1,998 | 129 |
| | November | 1,926 | 155 | -535 | 345 | 66 | 2,206 | 113 |
| | December | 2,020 | 205 | -770 | 354 | 74 | 2,567 | 89 |
| | **Average** | **2,190** | **169** | **9** | **263** | **50** | **2,038** | **--** |
| **1998** | January | 2,017 | 202 | -522 | 356 | 53 | 2,331 | 73 |
| | February | 2,105 | 277 | -166 | 320 | 52 | 2,177 | 69 |
| | March | 2,266 | 192 | 16 | 241 | 41 | 2,161 | 69 |
| | April | 2,397 | 234 | 497 | 203 | 39 | 1,892 | 84 |
| | **4-Mo. Average** | **2,197** | **225** | **-45** | **279** | **46** | **2,141** | **--** |
| **1997** | **4-Mo. Average** | **2,162** | **176** | **-103** | **279** | **54** | **2,108** | **--** |
| **1996** | **4-Mo. Average** | **2,077** | **159** | **-236** | **303** | **50** | **2,118** | **--** |

[a] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[b] Stocks are totals as of end of period.
[c] In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. See Summary Statistics Explanatory Note 4.
— = Not Applicable.
Notes: • Liquefied petroleum gases includes ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. • Beginning in January 1984, unfractionated stream, is reported by individual product. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: See Summary Statistics Table and Figure Sources.

## Table S10. Other Petroleum Products Supply and Disposition, 1982 - Present
(Thousand Barrels per Day, Except Where Noted)

| Year/Month | | Supply | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Total Production | Imports | Stock Change[a] | Refinery Inputs | Exports | Products Supplied | Ending Stocks[b] (Million Barrels) |
| **1982** | **Average** | **2,475** | **305** | **-68** | **787** | **205** | **1,856** | [c] **216** |
| **1983** | **Average** | **2,437** | **382** | [c] **-6** | **712** | **236** | **1,877** | [c] **217** |
| **1984** | **Average** | **2,500** | **503** | [c] **-32** | **791** | **236** | **2,007** | **198** |
| **1985** | **Average** | **2,532** | **550** | **22** | **886** | **227** | **1,947** | **206** |
| **1986** | **Average** | **2,704** | **504** | **-15** | **888** | **291** | **2,045** | **201** |
| **1987** | **Average** | **2,737** | **543** | **-1** | **829** | **264** | **2,187** | **200** |
| **1988** | **Average** | **2,773** | **645** | **22** | **799** | **294** | **2,303** | **208** |
| **1989** | **Average** | **2,771** | **627** | **12** | **797** | **305** | **2,285** | **213** |
| **1990** | **Average** | **2,842** | **705** | **-32** | **887** | **289** | **2,402** | **201** |
| **1991** | **Average** | **2,826** | **675** | **18** | **936** | **277** | **2,269** | **208** |
| **1992** | **Average** | **2,928** | **707** | **-3** | **906** | **263** | **2,470** | [c] **207** |
| **1993** | **Average** | **3,035** | **770** | **-2** | **1,081** | **300** | **2,426** | **206** |
| **1994** | **Average** | **2,973** | **761** | [c] **24** | **861** | **329** | **2,518** | **215** |
| **1995** | **Average** | **3,031** | **708** | [c] **-23** | **958** | **348** | **2,457** | **206** |
| **1996** | January | 2,833 | 873 | 448 | 613 | 335 | 2,311 | 220 |
| | February | 2,817 | 745 | -18 | 872 | 388 | 2,320 | 219 |
| | March | 2,983 | 820 | 122 | 759 | 315 | 2,607 | 223 |
| | April | 3,108 | 828 | 174 | 841 | 421 | 2,500 | 228 |
| | May | 3,128 | 852 | -45 | 1,010 | 427 | 2,588 | 227 |
| | June | 3,227 | 923 | -203 | 1,207 | 399 | 2,748 | 221 |
| | July | 3,223 | 862 | -170 | 1,131 | 361 | 2,764 | 216 |
| | August | 3,332 | 907 | -311 | 1,289 | 448 | 2,812 | 206 |
| | September | 3,306 | 751 | -56 | 1,083 | 410 | 2,620 | 204 |
| | October | 3,146 | 1,068 | -84 | 1,023 | 323 | 2,952 | 202 |
| | November | 3,093 | 928 | -34 | 1,113 | 366 | 2,576 | 201 |
| | December | 3,088 | 982 | 42 | 1,224 | 321 | 2,485 | 202 |
| | **Average** | **3,108** | **879** | **-11** | **1,014** | **376** | **2,608** | **--** |
| **1997** | January | 2,945 | 1,154 | 354 | 831 | 403 | 2,511 | 213 |
| | February | 2,953 | 1,010 | 239 | 944 | 332 | 2,448 | 220 |
| | March | 3,078 | 955 | 514 | 697 | 391 | 2,431 | 236 |
| | April | 3,136 | 1,054 | -122 | 1,203 | 395 | 2,715 | 232 |
| | May | 3,329 | 1,156 | 127 | 1,089 | 446 | 2,823 | 236 |
| | June | 3,355 | 936 | -468 | 1,345 | 417 | 2,997 | 222 |
| | July | 3,402 | 903 | -214 | 1,069 | 380 | 3,069 | 215 |
| | August | 3,426 | 886 | -83 | 994 | 460 | 2,940 | 213 |
| | September | 3,390 | 836 | 101 | 841 | 450 | 2,834 | 216 |
| | October | 3,227 | 957 | -87 | 915 | 381 | 2,976 | 213 |
| | November | 3,078 | 754 | -7 | 919 | 369 | 2,551 | 213 |
| | December | 3,113 | 744 | 3 | 981 | 396 | 2,476 | 213 |
| | **Average** | **3,204** | **945** | **30** | **985** | **402** | **2,733** | **--** |
| **1998** | January | 3,030 | 765 | 369 | 695 | 370 | 2,361 | 226 |
| | February | 3,042 | 760 | 396 | 623 | 360 | 2,422 | 237 |
| | March | 3,023 | 736 | 245 | 751 | 358 | 2,405 | 245 |
| | April | 3,138 | 916 | -133 | 1,195 | 360 | 2,634 | 241 |
| | **4-Mo. Average** | **3,058** | **794** | **218** | **818** | **362** | **2,455** | **--** |
| **1997** | **4-Mo. Average** | **3,029** | **1,044** | **250** | **916** | **381** | **2,527** | **--** |
| **1996** | **4-Mo. Average** | **2,936** | **817** | **185** | **769** | **364** | **2,436** | **--** |

[a] A negative number indicates a decrease in stocks and a positive number indicates an increase.
[b] Stocks are totals as of end of period.
[c] In January 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock change calculations. Stock changes are calculated using new basis stock levels. Bulk terminal and pipeline stocks of oxygenates were added beginning in January 1993. See Summary Statistics Explanatory Note 4.

— = Not Applicable.

Notes: • Other petroleum products includes pentanes plus, other hydrocarbons and oxygenates, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel, liquefied petroleum gases, and crude oil product supplied. • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.

Source: See Summary Statistics Table and Figure Sources.

# Summary Statistics Tables and Figures Sources

Information about petroleum supply and disposition at the National level are presented in the Summary Statistics tables. Industry terminology and product definitions are listed alphabetically in the Glossary.

The data presented in these tables are from several sources and represent different levels of timeliness and data finality.

- U.S. Department of Energy, Energy Information Administration (EIA), *Petroleum Supply Annual* (1981 through 1994).
- EIA, *Petroleum Supply Monthly* (January 1994 through April 1998).
- EIA, Weekly Petroleum Supply Reporting System (except domestic crude oil production) (May 1998). A more detailed explanation is provided in Summary Statistics Explanatory Note 1.
- Domestic crude oil production estimate is based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. (January 1994 through May 1998). Refer to Summary Statistics Explanatory Note 2 for a more detailed explanation.

# Summary Statistics Explanatory Notes

The following explanatory notes are provided to assist in understanding and interpreting the data presented in the Summary Statistics section of this publication.

## Note 1. Preliminary Monthly Statistics Derivation

Data collected from the Weekly Petroleum Supply Reporting System (WPSRS) are used to develop estimates of the most current monthly quantities. The forms that comprise the WPSRS are:

| Form Number | Name |
|---|---|
| EIA-800 | "Weekly Refinery Report" |
| EIA-801 | "Weekly Bulk Terminal Report" |
| EIA-802 | "Weekly Product Pipeline Report" |
| EIA-803 | "Weekly Crude Oil Stocks Report" |
| EIA-804 | "Weekly Imports Report" |

A sample of all petroleum companies report weekly data to the Energy Information Administration (EIA) on crude oil and petroleum products stocks, refinery inputs and production, and crude oil and petroleum product imports. The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys.

The sampling procedure used for the weekly system is the cut-off method. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during a 12-month period. Companies are chosen for the sample beginning with the largest companies with additional companies added until the total sample coverage represents a minimum of 90 percent of each item by geographic region being measured. All monthly-from-weekly estimates are shown in italics.

In calculating monthly estimates based upon weekly submissions, an interpolation process is used to make the weekly figures comparable to the monthly. The interpolation process is designed to resolve the timing differences between the weekly and the monthly systems — the time-of-day of reporting periods and the day-of-month of reporting periods. The end of the weekly reporting period (exactly 1 week long) is 7 a.m. Friday. The end of the monthly reporting period (one calendar month long) is 12 midnight on the last day of the month. To resolve the difference in the time-of-day of the weekly and monthly reporting periods, it is assumed that there is no activity during the period 12 midnight Thursday through 7 a.m. Friday. Thus, for the purposes of interpolation, the weekly system reporting period is assumed to end at 12 midnight on Thursday. The resolution of the day-of-month differences depends on whether the series is a cumulative one (such as production and imports) or a value at a fixed point-in-time (i.e., stocks).

For cumulative items (all items except stocks) the following method is used to calculate a monthly-from-weekly figure for a given month. First, a weight is assigned to each week in the month based on the number of days in that week that are in the month. (All intermediate weeks in a month will have a weight of seven; the beginning and ending weeks in the month may have a weight of less than seven, according to the number of days of the week that are in the month.) The weight for each week is then multiplied by the average daily volume for that week. To arrive at the monthly-from-weekly figure, a sum is taken of these weighted weekly volumes. The daily average for the monthly-from-weekly figure is calculated by dividing the total monthly-from-weekly figure by the number of days in the month.

Stock figures are not cumulative but represent inventories as of the last day of the reporting period. When the reporting week does not coincide with the end of a reporting month, an interpolation is necessary to derive a monthly-from-weekly figure for end-of-month stocks.

To derive the monthly-from-weekly stock figures, the two weekly reports that bracket the end of the month are used. Average daily stock change and the number of interpolated days are determined. The average daily stock change is defined as one-seventh of the difference between the stock level at the end of the last full week of the month and the stock level at the end of the week containing the last day of the month. The number of interpolation days is defined as the number of days between the end of the preceding weekly reporting period (midnight Thursday) and the end of the monthly reporting period. The end-of-month stock levels are then estimated as the sum of (a) the stock level reported the last full week of the month, plus (b) the number of interpolation days multiplied by the average daily stock change for the week.

The monthly-from-weekly exports data are derived from the most recent data published in the *Weekly Petroleum Status Report*. Beginning with statistics for the first week ending in October 1991, weekly estimates of exports are forecast using an autoregressive integrated moving-average (ARIMA) procedure. The ARIMA procedure models a value as a linear combination of its own past values and present and past values of other related time series. The most recent 5 years of

past data are used to obtain the forecast. In addition, for the major products and crude oil, 5 years of related price data are used. The price data include some U.S. and some foreign series.

## Note 2. Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the Conservation Committee of California Oil Producers.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. Estimates of monthly crude oil production for these four States are made by the EIA using data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report." After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports from various State agencies, the Minerals Management Service, and the Conservation Committee of California Oil Producers. The final estimate is published in the *Petroleum Supply Annual.* There is a time lag of approximately 4 months between the end of the production month and the time when most monthly State crude oil production data become available.

In order to present more timely crude oil production estimates, the EIA prepares an original, forecast estimate on the first day of the production month (indicated with a "PE"). Approximately 45 days later, this original estimate of monthly crude oil production is replaced by State-level interim estimates (indicated with an "RE"). The State-level interim estimates are based on: (a) data reported by the States (e.g., production data for Alaska are typically reported to the EIA before the interim estimate is made); (b) first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report;" (c) exponential or hyperbolic curve fitted projections based on recent State data; or (d) constant level projections based on the average production rate during a recent time period.

## Note 3. Figures

Figures associated with the Summary Statistics tables are provided which depict the balance between supply, disposition, and ending stocks for various commodities.

The national inventory (stocks) graphs (Figures S4, S6, S8, S10, S12, S14, and S16) for crude oil, finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel, propane/propylene, and liquefied petroleum gases, in this publication include features to assist in comparing current inventory levels with past inventory levels and observed minimum operating levels. These features are described below.

The graphs displaying inventory levels provide the reader with actual inventory data compared to an *average range* from the most recent 3-year period running from January through December or from July through June. The ranges are updated every 6 months in April and October. The 3-year period is adjusted by dropping the oldest 6 months and including the most recent 6 months. The ranges also reflect seasonal variation determined from a 7-year period. The seasonal factors, which determine the shape of the upper and lower curves, are updated annually in October, using the most recent year's final monthly data.

The monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the U.S. Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive (i.e., the series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported inventory levels). The intent of deseasonalization is to remove only variation from the data. Thus, a deseasonalized series would contain the same trends, cyclical components, and irregularities as the original data.

After seasonal factors are derived, data from the most recent 3-year period (January through December or July through June) are deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard deviation of the deseasonalized 36 months is calculated adjusting for extreme data points. The upper curve of the average range is defined as the average plus the seasonal factors plus the standard deviation. The lower curve is defined as the average plus the seasonal factors minus the standard deviation. Thus, the width of the average range is twice the standard deviation.

The lines labeled "observed minimum" are the lowest inventory level observed during the most recent 36-month period as published in the *Petroleum Supply Monthly*.

## Note 4. Frames Maintenance

In January 1981 and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock change calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been as listed below.

- Crude Oil: 1982- 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1980- 1,425; and 1982- 1,461.
- Motor Gasoline: 1980- 263 (Total) and 214 (Finished); 1982- 244 (Total) and 202 (Finished).
- Distillate Fuel Oil: 1980- 205; and 1982- 186.
- Residual Fuel Oil: 1980- 91; and 1982- 69.
- Jet Fuel: 1980- 42 (Total) and 36 (Kerosene-type); and 1982- 39 (Total) and 32 (Kerosene-type).
- Propane/Propylene: 1980- 69; and 1982- 57.
- Liquefied Petroleum Gases: 1980- 128; and 1982-102.
- Other Petroleum Products: 1980- 207; and 1982-219.

Stock change calculations beginning in 1981 and 1983 were made using new basis stock levels.

Stocks of Alaskan crude oil in-transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock change calculations. Using the expanded coverage (new basis), 1980 end-of-year crude oil stocks would have been 488 million barrels (Total) and 380 million barrels (Other Primary).

Beginning with January 1984, natural gas liquids supply and disposition data were collected on a component basis rather than a product basis. This change affected stocks reported and stock change calculations. Under the new basis, end-of-year 1983 stocks would have been:

- Propane/Propylene: 1983- 55.
- Liquefied Petroleum Gases: 1983- 108.
- Other Petroleum Products: 1983- 210.

In response to changes in the Clean Air Act Amendments of 1990 requiring that all gasoline sold in carbon monoxide nonattainment areas have an oxygen content of 2.7 percent (by weight) during winter months, the Energy Information Administration (EIA) conducted a frame identifier survey in 1991 of companies that produce, blend, store, or import oxygenates. The purpose of this survey was to (1) identify all U.S. producers, blenders, storers, and importers of oxygenates; and (2) collect supply and blending data for 1990 and end of 1990 inventory data on those oxygenates blended into motor gasoline. A summary of the results from the identification survey were published in the *Weekly Petroleum Status Report* dated February 12, 1992 and in the February 1992 issue of the *Petroleum Supply Monthly*.

In order to continue to provide relevant information about U.S. and regional gasoline supply, the EIA conducted a second frame identifier survey of these companies during 1992. As a result, a number of respondents were added to the monthly surveys effective in January 1993: 19 blenders, 25 stock holders, and 8 importers. This change did not affect stocks reported and therefore did not cause a new basis stock level to be calculated.

## Table 1. U.S. Petroleum Balance, April 1998

| | Commodity | Current Month | | Year to Date | |
|---|---|---|---|---|---|
| | | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| | **Crude Oil** | | | | |
| | Field Production | | | | |
| (1) | Alaska | E 36,009 | E 1,200 | E 146,614 | E 1,222 |
| (2) | Lower 48 States | E 158,516 | E 5,284 | E 630,995 | E 5,258 |
| **(3)** | **Total U.S.** | **E 194,525** | **E 6,484** | **E 777,608** | **E 6,480** |
| | Net Imports | | | | |
| (4) | Imports (Gross Excluding Strategic Petroleum Reserve (SPR)) | 255,698 | 8,523 | 974,663 | 8,122 |
| (5) | SPR Imports | 0 | 0 | 0 | 0 |
| (6) | Exports | 4,888 | 163 | 20,621 | 172 |
| **(7)** | **Imports (Net Including SPR)** | **250,810** | **8,360** | **954,042** | **7,950** |
| | Other Sources | | | | |
| (8) | SPR Stock Change (Withdrawal (+), Addition (-)) | 0 | 0 | 3 | (s) |
| (9) | Other Stock Change (Withdrawal (+), Addition (-)) | -14,770 | -492 | -46,511 | -388 |
| (10) | Product Supplied and Losses | 0 | 0 | 0 | 0 |
| (11) | Unaccounted for[a] | 18,274 | 609 | 52,642 | 439 |
| **(12)** | **Total Other Sources** | **3,504** | **117** | **6,134** | **51** |
| **(13)** | **Crude Input to Refineries** | **448,840** | **14,961** | **1,737,784** | **14,482** |
| | (13) = (3) + (7) + (12) | | | | |
| | **Natural Gas Liquids (NGL)** | | | | |
| (14) | Field Production[b] | 60,421 | 2,014 | 241,505 | 2,013 |
| (15) | Net Imports[c] | 215 | 7 | 1,722 | 14 |
| (16) | Stock Change (Withdrawal (+), Addition (-))[c] | 287 | 10 | -730 | -6 |
| **(17)** | **Total NGL Supply** | **60,923** | **2,031** | **242,497** | **2,021** |
| | **Other Liquids** | | | | |
| | Unfinished Oils and Gasoline Blending Components, Total | | | | |
| (18) | Stock Change (Withdrawal (+), Addition (-)) | 4,139 | 138 | -14,339 | -119 |
| (19) | Net Imports | 16,822 | 561 | 57,096 | 476 |
| (20) | Other Liquids New Supply(Field Production) | 4,725 | 158 | 20,623 | 172 |
| (21) | Refinery Processing Gain[a] | 25,231 | 841 | 100,298 | 836 |
| (22) | Crude Oil Product Supplied | 0 | 0 | 0 | 0 |
| **(23)** | **Total Other Liquids** | **50,917** | **1,697** | **163,678** | **1,364** |
| | (23) = (18) through (22) | | | | |
| **(24)** | **Total Production of Products** | **560,680** | **18,689** | **2,143,959** | **17,866** |
| | (24) = (13) + (17) + (23) | | | | |
| | **Net Imports of Refined Products** | | | | |
| (25) | Imports (Gross) | 38,383 | 1,279 | 150,672 | 1,256 |
| (26) | Exports | 25,172 | 839 | 95,971 | 800 |
| **(27)** | **Imports (Net)** | **13,211** | **440** | **54,701** | **456** |
| **(28)** | **Total New Supply of Products** | **573,892** | **19,130** | **2,198,660** | **18,322** |
| | (28) = (24) + (27) | | | | |
| (29) | Refined Products Stock Change (Withdrawal (+), Addition (-)) | -15,178 | -506 | 9,212 | 77 |
| **(30)** | **Total Petroleum Products Supplied for Domestic Use** | **558,714** | **18,624** | **2,207,872** | **18,399** |
| | (30) = (28) + (29) | | | | |
| (31) | Finished Motor Gasoline | 244,099 | 8,137 | 943,156 | 7,860 |
| (32) | Distillate Fuel Oil | 102,240 | 3,408 | 424,436 | 3,537 |
| (33) | Residual Fuel Oil | 28,976 | 966 | 101,591 | 847 |
| (34) | Jet Fuel | 47,641 | 1,588 | 187,176 | 1,560 |
| (35) | Liquefied Petroleum Gases | 56,747 | 1,892 | 256,941 | 2,141 |
| (36) | Other[d] | 79,011 | 2,634 | 294,572 | 2,455 |
| (37) | Crude Oil | 0 | 0 | 0 | 0 |
| **(38)** | **Total Products Supplied** | **558,714** | **18,624** | **2,207,872** | **18,399** |
| | (38) = (31) through (37) | | | | |
| | **Ending Stocks, All Oils** | | | | |
| (39) | Crude Oil (Excluding SPR) | 351,200 | -- | 351,200 | -- |
| (40) | Strategic Petroleum Reserve | 563,426 | -- | 563,426 | -- |
| (41) | Finished Motor Gasoline | 168,323 | -- | 168,323 | -- |
| (42) | Distillate Fuel Oil | 125,681 | -- | 125,681 | -- |
| (43) | Residual Fuel Oil | 39,187 | -- | 39,187 | -- |
| (44) | Jet Fuel | 41,456 | -- | 41,456 | -- |
| (45) | Liquefied Petroleum Gases | 84,047 | -- | 84,047 | -- |
| (46) | Other[d] | 240,669 | -- | 240,669 | -- |
| **(47)** | **Total Stocks** | **1,613,989** | **--** | **1,613,989** | **--** |
| | (47) = (39) through (46) | | | | |

[a] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Refinery processing gain represents the volumetric amount by which total output is greater than input for a given period of time. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50 thousand barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

[b] Includes field production of fuel ethanol and an adjustment for motor gasoline blending components.

[c] Includes products in the pentanes plus category only.

[d] Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, jet fuel, and liquefied petroleum gases.

E = Estimated.

— = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: • Energy Information Administration (EIA), Monthly Petroleum Supply Reporting System. • Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. • Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report ."

## Table 2. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports | Unaccounted For Crude Oil[a] | Stock Change[b] | Crude Losses | Refinery Inputs | Exports | Products Supplied[c] | |
| **Crude Oil** | E **194,525** | **--** | **255,698** | **18,274** | **14,770** | **0** | **448,840** | **4,888** | **0** | **914,626** |
| **Natural Gas Liquids and LRGs** | **55,775** | **25,557** | **7,681** | **--** | **14,620** | **--** | **10,821** | **1,625** | **61,947** | **90,488** |
| Pentanes Plus | 9,433 | -- | 660 | -- | -287 | -- | 4,736 | 445 | 5,199 | 6,441 |
| Liquefied Petroleum Gases | 46,342 | 25,557 | 7,021 | -- | 14,907 | -- | 6,085 | 1,181 | 56,747 | 84,047 |
| Ethane/Ethylene | 20,103 | 1,195 | 427 | -- | 1,961 | -- | 0 | 0 | 19,764 | 18,546 |
| Propane/Propylene | 16,087 | 16,650 | 5,478 | -- | 7,236 | -- | 0 | 655 | 30,324 | 37,091 |
| Normal Butane/Butylene | 4,519 | 6,599 | 628 | -- | 5,747 | -- | 2,365 | 526 | 3,108 | 19,550 |
| Isobutane/Isobutylene | 5,633 | 1,113 | 488 | -- | -37 | -- | 3,720 | 0 | 3,551 | 8,860 |
| **Other Liquids** | **4,725** | **--** | **17,188** | **--** | **-4,139** | **--** | **31,099** | **366** | **-5,413** | **159,993** |
| Other Hydrocarbons/Oxygenates | 7,884 | -- | 3,034 | -- | -273 | -- | 11,191 | 0 | 0 | 13,237 |
| Unfinished Oils | -- | -- | 7,761 | -- | -1,204 | -- | 14,476 | 0 | -5,511 | 100,671 |
| Motor Gasoline Blend. Comp. | -3,159 | -- | 6,393 | -- | -2,671 | -- | 5,539 | 366 | 0 | 45,966 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 9 | -- | -107 | 0 | 98 | 119 |
| **Finished Petroleum Products** | **4,646** | **490,434** | **31,362** | **--** | **271** | **--** | **--** | **23,991** | **502,180** | **448,882** |
| Finished Motor Gasoline | 4,646 | 236,212 | 7,596 | -- | 1,929 | -- | -- | 2,426 | 244,099 | 168,323 |
| Reformulated | -- | 75,772 | 3,409 | -- | 1,314 | -- | -- | 6 | 77,861 | 44,227 |
| Oxygenated | 14,870 | 2,128 | 0 | -- | -215 | -- | -- | 0 | 17,213 | 650 |
| Other | -10,224 | 158,312 | 4,187 | -- | 830 | -- | -- | 2,420 | 149,025 | 123,446 |
| Finished Aviation Gasoline | -- | 770 | 4 | -- | 116 | -- | -- | 0 | 658 | 1,738 |
| Jet Fuel | -- | 45,260 | 1,804 | -- | -1,536 | -- | -- | 959 | 47,641 | 41,456 |
| Naphtha-Type | -- | 13 | 0 | -- | 1 | -- | -- | 2 | 10 | 50 |
| Kerosene-Type | -- | 45,247 | 1,804 | -- | -1,537 | -- | -- | 957 | 47,631 | 41,406 |
| Kerosene | -- | 1,344 | 12 | -- | -60 | -- | -- | 58 | 1,358 | 4,637 |
| Distillate Fuel Oil | -- | 103,401 | 5,680 | -- | 1,256 | -- | -- | 5,585 | 102,240 | 125,681 |
| 0.05 percent sulfur and under | -- | 66,173 | 2,680 | -- | -181 | -- | -- | 747 | 68,287 | 63,168 |
| Greater than 0.05 percent sulfur | -- | 37,228 | 3,000 | -- | 1,437 | -- | -- | 4,838 | 33,953 | 62,513 |
| Residual Fuel Oil | -- | 25,570 | 6,643 | -- | -1,803 | -- | -- | 5,040 | 28,976 | 39,187 |
| Naphtha For Petro. Feed. Use | -- | 6,817 | 1,746 | -- | -152 | -- | -- | 0 | 8,715 | 1,716 |
| Other Oils For Petro. Feed. Use | -- | 6,983 | 6,820 | -- | 604 | -- | -- | 0 | 13,199 | 2,193 |
| Special Naphthas | -- | 1,834 | 230 | -- | -236 | -- | -- | 412 | 1,888 | 1,938 |
| Lubricants | -- | 5,561 | 162 | -- | -849 | -- | -- | 820 | 5,752 | 11,079 |
| Waxes | -- | 667 | 44 | -- | -48 | -- | -- | 90 | 669 | 858 |
| Petroleum Coke | -- | 21,834 | 51 | -- | 572 | -- | -- | 8,351 | 12,962 | 12,623 |
| Asphalt and Road Oil | -- | 13,164 | 569 | -- | 699 | -- | -- | 180 | 12,854 | 35,909 |
| Still Gas | -- | 19,401 | 0 | -- | 0 | -- | -- | 0 | 19,401 | 0 |
| Miscellaneous Products | -- | 1,616 | 1 | -- | -221 | -- | -- | 71 | 1,767 | 1,544 |
| **Total** | **259,671** | **515,991** | **311,929** | **18,274** | **25,522** | **0** | **490,760** | **30,870** | **558,714** | **1,613,989** |

[a] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

[b] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

[c] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report." Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 3. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports | Unaccounted For Crude Oil[a] | Stock Change[b] | Crude Losses | Refinery Inputs | Exports | Products Supplied[c] | |
| **Crude Oil** | E 777,608 | -- | 974,663 | 52,642 | 46,508 | 0 | 1,737,784 | 20,621 | 0 | 914,626 |
| **Natural Gas Liquids and LRGs** | 221,971 | 79,388 | 30,001 | -- | -4,719 | -- | 51,954 | 6,853 | 277,272 | 90,488 |
| Pentanes Plus | 37,759 | -- | 3,013 | -- | 730 | -- | 18,420 | 1,291 | 20,331 | 6,441 |
| Liquefied Petroleum Gases | 184,212 | 79,388 | 26,988 | -- | -5,449 | -- | 33,534 | 5,562 | 256,941 | 84,047 |
| Ethane/Ethylene | 78,852 | 3,671 | 2,314 | -- | -361 | -- | 0 | 0 | 85,198 | 18,546 |
| Propane/Propylene | 64,456 | 64,815 | 19,581 | -- | -6,972 | -- | 0 | 3,215 | 152,609 | 37,091 |
| Normal Butane/Butylene | 19,124 | 8,733 | 2,952 | -- | 1,178 | -- | 19,282 | 2,347 | 8,002 | 19,550 |
| Isobutane/Isobutylene | 21,780 | 2,169 | 2,141 | -- | 706 | -- | 14,252 | 0 | 11,132 | 8,860 |
| **Other Liquids** | 20,623 | -- | 58,940 | -- | 14,339 | -- | 79,693 | 1,844 | -16,313 | 159,993 |
| Other Hydrocarbons/Oxygenates | 33,711 | -- | 8,327 | -- | 781 | -- | 41,257 | 0 | 0 | 13,237 |
| Unfinished Oils | -- | -- | 32,913 | -- | 11,141 | -- | 38,510 | 0 | -16,738 | 100,671 |
| Motor Gasoline Blend. Comp. | -13,088 | -- | 17,700 | -- | 2,449 | -- | 319 | 1,844 | 0 | 45,966 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | -32 | -- | -393 | 0 | 425 | 119 |
| **Finished Petroleum Products** | 19,534 | 1,890,341 | 123,684 | -- | -3,763 | -- | -- | 90,409 | 1,946,913 | 448,882 |
| Finished Motor Gasoline | 19,534 | 906,459 | 32,989 | -- | 2,208 | -- | -- | 13,618 | 943,156 | 168,323 |
| Reformulated | -- | 285,366 | 18,693 | -- | 1,693 | -- | -- | 25 | 302,341 | 44,227 |
| Oxygenated | 64,460 | 9,838 | 0 | -- | -432 | -- | -- | 68 | 74,662 | 650 |
| Other | -44,926 | 611,255 | 14,296 | -- | 947 | -- | -- | 13,525 | 566,153 | 123,446 |
| Finished Aviation Gasoline | -- | 2,197 | 7 | -- | 63 | -- | -- | 0 | 2,141 | 1,738 |
| Jet Fuel | -- | 179,035 | 9,606 | -- | -2,470 | -- | -- | 3,935 | 187,176 | 41,456 |
| Naphtha-Type | -- | 73 | 0 | -- | 24 | -- | -- | 233 | -184 | 50 |
| Kerosene-Type | -- | 178,962 | 9,606 | -- | -2,494 | -- | -- | 3,702 | 187,360 | 41,406 |
| Kerosene | -- | 8,894 | 190 | -- | -2,649 | -- | -- | 98 | 11,635 | 4,637 |
| Distillate Fuel Oil | -- | 403,597 | 23,428 | -- | -13,316 | -- | -- | 15,905 | 424,436 | 125,681 |
| 0.05 percent sulfur and under | -- | 251,791 | 11,170 | -- | -5,448 | -- | -- | 3,711 | 264,698 | 63,168 |
| Greater than 0.05 percent sulfur | -- | 151,806 | 12,258 | -- | -7,868 | -- | -- | 12,194 | 159,738 | 62,513 |
| Residual Fuel Oil | -- | 92,639 | 24,331 | -- | -1,245 | -- | -- | 16,624 | 101,591 | 39,187 |
| Naphtha For Petro. Feed. Use | -- | 28,039 | 7,545 | -- | -92 | -- | -- | 0 | 35,676 | 1,716 |
| Other Oils For Petro. Feed. Use | -- | 26,541 | 21,278 | -- | 1 | -- | -- | 0 | 47,818 | 2,193 |
| Special Naphthas | -- | 7,491 | 746 | -- | -323 | -- | -- | 2,165 | 6,395 | 1,938 |
| Lubricants | -- | 20,889 | 861 | -- | -2,130 | -- | -- | 3,025 | 20,855 | 11,079 |
| Waxes | -- | 2,794 | 173 | -- | -151 | -- | -- | 324 | 2,794 | 858 |
| Petroleum Coke | -- | 83,729 | 172 | -- | 3,133 | -- | -- | 33,825 | 46,943 | 12,623 |
| Asphalt and Road Oil | -- | 46,957 | 2,338 | -- | 13,572 | -- | -- | 798 | 34,925 | 35,909 |
| Still Gas | -- | 74,947 | 0 | -- | 0 | -- | -- | 0 | 74,947 | 0 |
| Miscellaneous Products | -- | 6,133 | 20 | -- | -364 | -- | -- | 92 | 6,425 | 1,544 |
| **Total** | 1,039,736 | 1,969,729 | 1,187,288 | 52,642 | 52,365 | 0 | 1,869,431 | 119,727 | 2,207,872 | 1,613,989 |

[a] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

[b] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

[c] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report." Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 4. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports | Unaccounted For Crude Oil[a] | Stock Change[b] | Crude Losses | Refinery Inputs | Exports | Products Supplied[c] |
| **Crude Oil** | E **6,484** | **--** | **8,523** | **609** | **492** | **0** | **14,961** | **163** | **0** |
| **Natural Gas Liquids and LRGs** | **1,859** | **852** | **256** | **--** | **487** | **--** | **361** | **54** | **2,065** |
| Pentanes Plus | 314 | -- | 22 | -- | -10 | -- | 158 | 15 | 173 |
| Liquefied Petroleum Gases | 1,545 | 852 | 234 | -- | 497 | -- | 203 | 39 | 1,892 |
| Ethane/Ethylene | 670 | 40 | 14 | -- | 65 | -- | 0 | 0 | 659 |
| Propane/Propylene | 536 | 555 | 183 | -- | 241 | -- | 0 | 22 | 1,011 |
| Normal Butane/Butylene | 151 | 220 | 21 | -- | 192 | -- | 79 | 18 | 104 |
| Isobutane/Isobutylene | 188 | 37 | 16 | -- | -1 | -- | 124 | 0 | 118 |
| **Other Liquids** | **158** | **--** | **573** | **--** | **-138** | **--** | **1,037** | **12** | **-180** |
| Other Hydrocarbons/Oxygenates | 263 | -- | 101 | -- | -9 | -- | 373 | 0 | 0 |
| Unfinished Oils | -- | -- | 259 | -- | -40 | -- | 483 | 0 | -184 |
| Motor Gasoline Blend. Comp. | -105 | -- | 213 | -- | -89 | -- | 185 | 12 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | (s) | -- | -4 | 0 | 3 |
| **Finished Petroleum Products** | **155** | **16,348** | **1,045** | **--** | **9** | **--** | **--** | **800** | **16,739** |
| Finished Motor Gasoline | 155 | 7,874 | 253 | -- | 64 | -- | -- | 81 | 8,137 |
| Reformulated | -- | 2,526 | 114 | -- | 44 | -- | -- | (s) | 2,595 |
| Oxygenated | 496 | 71 | 0 | -- | -7 | -- | -- | 0 | 574 |
| Other | -341 | 5,277 | 140 | -- | 28 | -- | -- | 81 | 4,967 |
| Finished Aviation Gasoline | -- | 26 | (s) | -- | 4 | -- | -- | 0 | 22 |
| Jet Fuel | -- | 1,509 | 60 | -- | -51 | -- | -- | 32 | 1,588 |
| Naphtha-Type | -- | (s) | 0 | -- | (s) | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 1,508 | 60 | -- | -51 | -- | -- | 32 | 1,588 |
| Kerosene | -- | 45 | (s) | -- | -2 | -- | -- | 2 | 45 |
| Distillate Fuel Oil | -- | 3,447 | 189 | -- | 42 | -- | -- | 186 | 3,408 |
| 0.05 percent sulfur and under | -- | 2,206 | 89 | -- | -6 | -- | -- | 25 | 2,276 |
| Greater than 0.05 percent sulfur | -- | 1,241 | 100 | -- | 48 | -- | -- | 161 | 1,132 |
| Residual Fuel Oil | -- | 852 | 221 | -- | -60 | -- | -- | 168 | 966 |
| Naphtha For Petro. Feed. Use | -- | 227 | 58 | -- | -5 | -- | -- | 0 | 291 |
| Other Oils For Petro. Feed. Use | -- | 233 | 227 | -- | 20 | -- | -- | 0 | 440 |
| Special Naphthas | -- | 61 | 8 | -- | -8 | -- | -- | 14 | 63 |
| Lubricants | -- | 185 | 5 | -- | -28 | -- | -- | 27 | 192 |
| Waxes | -- | 22 | 1 | -- | -2 | -- | -- | 3 | 22 |
| Petroleum Coke | -- | 728 | 2 | -- | 19 | -- | -- | 278 | 432 |
| Asphalt and Road Oil | -- | 439 | 19 | -- | 23 | -- | -- | 6 | 428 |
| Still Gas | -- | 647 | 0 | -- | 0 | -- | -- | 0 | 647 |
| Miscellaneous Products | -- | 54 | (s) | -- | -7 | -- | -- | 2 | 59 |
| **Total** | **8,656** | **17,200** | **10,398** | **609** | **851** | **0** | **16,359** | **1,029** | **18,624** |

[a] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

[b] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

[c] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 5. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports | Unaccounted For Crude Oil[a] | Stock Change[b] | Crude Losses | Refinery Inputs | Exports | Products Supplied[c] |
| **Crude Oil** | E 6,480 | -- | 8,122 | 439 | 388 | 0 | 14,482 | 172 | 0 |
| **Natural Gas Liquids and LRGs** | **1,850** | **662** | **250** | **--** | **-39** | **--** | **433** | **57** | **2,311** |
| Pentanes Plus | 315 | -- | 25 | -- | 6 | -- | 154 | 11 | 169 |
| Liquefied Petroleum Gases | 1,535 | 662 | 225 | -- | -45 | -- | 279 | 46 | 2,141 |
| Ethane/Ethylene | 657 | 31 | 19 | -- | -3 | -- | 0 | 0 | 710 |
| Propane/Propylene | 537 | 540 | 163 | -- | -58 | -- | 0 | 27 | 1,272 |
| Normal Butane/Butylene | 159 | 73 | 25 | -- | 10 | -- | 161 | 20 | 67 |
| Isobutane/Isobutylene | 182 | 18 | 18 | -- | 6 | -- | 119 | 0 | 93 |
| **Other Liquids** | **172** | **--** | **491** | **--** | **119** | **--** | **664** | **15** | **-136** |
| Other Hydrocarbons/Oxygenates | 281 | -- | 69 | -- | 7 | -- | 344 | 0 | 0 |
| Unfinished Oils | -- | -- | 274 | -- | 93 | -- | 321 | 0 | -139 |
| Motor Gasoline Blend. Comp. | -109 | -- | 148 | -- | 20 | -- | 3 | 15 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | (s) | -- | -3 | 0 | 4 |
| **Finished Petroleum Products** | **163** | **15,753** | **1,031** | **--** | **-31** | **--** | **--** | **753** | **16,224** |
| Finished Motor Gasoline | 163 | 7,554 | 275 | -- | 18 | -- | -- | 113 | 7,860 |
| Reformulated | -- | 2,378 | 156 | -- | 14 | -- | -- | (s) | 2,520 |
| Oxygenated | 537 | 82 | 0 | -- | -4 | -- | -- | 1 | 622 |
| Other | -374 | 5,094 | 119 | -- | 8 | -- | -- | 113 | 4,718 |
| Finished Aviation Gasoline | -- | 18 | (s) | -- | 1 | -- | -- | 0 | 18 |
| Jet Fuel | -- | 1,492 | 80 | -- | -21 | -- | -- | 33 | 1,560 |
| Naphtha-Type | -- | 1 | 0 | -- | (s) | -- | -- | 2 | -2 |
| Kerosene-Type | -- | 1,491 | 80 | -- | -21 | -- | -- | 31 | 1,561 |
| Kerosene | -- | 74 | 2 | -- | -22 | -- | -- | 1 | 97 |
| Distillate Fuel Oil | -- | 3,363 | 195 | -- | -111 | -- | -- | 133 | 3,537 |
| 0.05 percent sulfur and under | -- | 2,098 | 93 | -- | -45 | -- | -- | 31 | 2,206 |
| Greater than 0.05 percent sulfur | -- | 1,265 | 102 | -- | -66 | -- | -- | 102 | 1,331 |
| Residual Fuel Oil | -- | 772 | 203 | -- | -10 | -- | -- | 139 | 847 |
| Naphtha For Petro. Feed. Use | -- | 234 | 63 | -- | -1 | -- | -- | 0 | 297 |
| Other Oils For Petro. Feed. Use | -- | 221 | 177 | -- | (s) | -- | -- | 0 | 398 |
| Special Naphthas | -- | 62 | 6 | -- | -3 | -- | -- | 18 | 53 |
| Lubricants | -- | 174 | 7 | -- | -18 | -- | -- | 25 | 174 |
| Waxes | -- | 23 | 1 | -- | -1 | -- | -- | 3 | 23 |
| Petroleum Coke | -- | 698 | 1 | -- | 26 | -- | -- | 282 | 391 |
| Asphalt and Road Oil | -- | 391 | 19 | -- | 113 | -- | -- | 7 | 291 |
| Still Gas | -- | 625 | 0 | -- | 0 | -- | -- | 0 | 625 |
| Miscellaneous Products | -- | 51 | (s) | -- | -3 | -- | -- | 1 | 54 |
| **Total** | **8,664** | **16,414** | **9,894** | **439** | **436** | **0** | **15,579** | **998** | **18,399** |

[a] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil. Preliminary estimates of crude oil imports at the National level have historically understated final values by approximately 50,000 barrels per day. This causes the preliminary values of unaccounted for crude oil to overstate the final values by the same amount.

[b] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

[c] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, minus stock change, minus crude losses, minus refinery inputs, minus exports.

(s) = Less than 500 barrels per day.

E = Estimated.

LRG = Liquefied Refinery Gas.

— = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 6. PAD District I—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E 798 | -- | 45,676 | 4,542 | -115 | 2,075 | 0 | 48,826 | 0 | 0 | 17,190 |
| **Natural Gas Liquids and LRGs** | 780 | 2,104 | 628 | -- | 2,562 | 1,103 | -- | 101 | 67 | 4,803 | 4,745 |
| Pentanes Plus | 88 | -- | 0 | -- | 0 | -7 | -- | 0 | 2 | 93 | 16 |
| Liquefied Petroleum Gases | 692 | 2,104 | 628 | -- | 2,562 | 1,110 | -- | 101 | 65 | 4,710 | 4,729 |
| Ethane/Ethylene | 232 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 232 | 0 |
| Propane/Propylene | 315 | 1,682 | 528 | -- | 2,562 | 550 | -- | 0 | 43 | 4,494 | 3,255 |
| Normal Butane/Butylene | 110 | 397 | 100 | -- | 0 | 512 | -- | 6 | 22 | 67 | 1,053 |
| Isobutane/Isobutylene | 35 | 25 | 0 | -- | 0 | 48 | -- | 95 | 0 | -83 | 421 |
| **Other Liquids** | 126 | -- | 7,226 | -- | 810 | 243 | -- | 9,752 | 1 | -1,834 | 22,082 |
| Other Hydrocarbons/Oxygenates | 1,314 | -- | 812 | -- | 0 | -255 | -- | 2,381 | 0 | 0 | 2,000 |
| Unfinished Oils | -- | -- | 424 | -- | 10 | -140 | -- | 2,505 | 0 | -1,931 | 10,030 |
| Motor Gasoline Blend. Comp. | -1,188 | -- | 5,990 | -- | 800 | 620 | -- | 4,981 | 1 | 0 | 9,984 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 18 | -- | -115 | 0 | 97 | 68 |
| **Finished Petroleum Products** | 1,441 | 58,371 | 20,912 | -- | 89,985 | 5,923 | -- | -- | 718 | 164,068 | 137,591 |
| Finished Motor Gasoline | 1,441 | 29,763 | 7,249 | -- | 51,740 | 3,717 | -- | -- | 6 | 86,470 | 52,172 |
| Reformulated | -- | 19,967 | 3,409 | -- | 12,287 | 1,462 | -- | -- | 1 | 34,200 | 23,261 |
| Oxygenated | 2,528 | 0 | 0 | -- | 151 | 15 | -- | -- | 0 | 2,664 | 238 |
| Other | -1,087 | 9,796 | 3,840 | -- | 39,302 | 2,240 | -- | -- | 5 | 49,606 | 28,673 |
| Finished Aviation Gasoline | -- | 22 | 0 | -- | 44 | 31 | -- | -- | 0 | 35 | 236 |
| Jet Fuel | -- | 3,173 | 1,624 | -- | 13,374 | 718 | -- | -- | 4 | 17,449 | 10,169 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 2 | -2 | 0 |
| Kerosene-Type | -- | 3,173 | 1,624 | -- | 13,374 | 718 | -- | -- | 2 | 17,451 | 10,169 |
| Kerosene | -- | 419 | 12 | -- | 114 | 194 | -- | -- | 1 | 350 | 2,749 |
| Distillate Fuel Oil | -- | 14,001 | 5,333 | -- | 21,700 | 3,388 | -- | -- | 77 | 37,569 | 49,037 |
| 0.05 percent sulfur and under | -- | 4,584 | 2,473 | -- | 13,058 | 261 | -- | -- | 6 | 19,848 | 14,542 |
| Greater than 0.05 percent sulfur | -- | 9,417 | 2,860 | -- | 8,642 | 3,127 | -- | -- | 71 | 17,721 | 34,495 |
| Residual Fuel Oil | -- | 3,712 | 5,869 | -- | 1,290 | -1,725 | -- | -- | 134 | 12,462 | 13,588 |
| Petrochemical Feedstocks[e] | -- | 378 | 126 | -- | 154 | 14 | -- | -- | 0 | 644 | 426 |
| Special Naphthas | -- | 52 | 112 | -- | 175 | -2 | -- | -- | 14 | 327 | 100 |
| Lubricants | -- | 452 | 121 | -- | 946 | -367 | -- | -- | 134 | 1,752 | 2,132 |
| Waxes | -- | 48 | 29 | -- | 0 | -106 | -- | -- | 15 | 168 | 35 |
| Petroleum Coke | -- | 1,584 | 0 | -- | 0 | -20 | -- | -- | 314 | 1,290 | 445 |
| Asphalt and Road Oil | -- | 2,830 | 437 | -- | 448 | 89 | -- | -- | 13 | 3,613 | 6,408 |
| Still Gas | -- | 1,874 | 0 | -- | 0 | 0 | -- | -- | 0 | 1,874 | 0 |
| Miscellaneous Products | -- | 63 | 0 | -- | 0 | -8 | -- | -- | 5 | 66 | 94 |
| **Total** | 3,144 | 60,475 | 74,442 | 4,542 | 93,242 | 9,344 | 0 | 58,679 | 786 | 167,036 | 181,608 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 7. PAD District I—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E 3,174 | -- | 182,876 | 8,340 | -448 | 6,216 | 0 | 187,725 | 1 | 0 | 17,190 |
| **Natural Gas Liquids and LRGs** | 3,188 | 4,805 | 4,064 | -- | 14,590 | -1,347 | -- | 676 | 118 | 27,200 | 4,745 |
| Pentanes Plus | 328 | -- | 0 | -- | 0 | 4 | -- | 0 | 6 | 318 | 16 |
| Liquefied Petroleum Gases | 2,860 | 4,805 | 4,064 | -- | 14,590 | -1,351 | -- | 676 | 112 | 26,882 | 4,729 |
| Ethane/Ethylene | 986 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 986 | 0 |
| Propane/Propylene | 1,287 | 6,435 | 3,834 | -- | 14,332 | -1,050 | -- | 0 | 83 | 26,855 | 3,255 |
| Normal Butane/Butylene | 439 | -1,145 | 230 | -- | 162 | -316 | -- | 373 | 30 | -401 | 1,053 |
| Isobutane/Isobutylene | 148 | -485 | 0 | -- | 96 | 15 | -- | 303 | 0 | -559 | 421 |
| **Other Liquids** | 1,957 | -- | 22,589 | -- | 1,672 | 2,440 | -- | 28,958 | 1 | -5,181 | 22,082 |
| Other Hydrocarbons/Oxygenates | 6,262 | -- | 2,328 | -- | 0 | -235 | -- | 8,825 | 0 | 0 | 2,000 |
| Unfinished Oils | -- | -- | 3,596 | -- | 12 | -769 | -- | 9,980 | 0 | -5,603 | 10,030 |
| Motor Gasoline Blend. Comp. | -4,305 | -- | 16,665 | -- | 1,660 | 3,455 | -- | 10,564 | 1 | 0 | 9,984 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | -11 | -- | -411 | 0 | 422 | 68 |
| **Finished Petroleum Products** | 5,401 | 220,395 | 89,107 | -- | 339,886 | -14,137 | -- | -- | 4,577 | 664,348 | 137,591 |
| Finished Motor Gasoline | 5,401 | 110,700 | 31,522 | -- | 193,486 | 1,576 | -- | -- | 249 | 339,284 | 52,172 |
| Reformulated | -- | 73,458 | 17,878 | -- | 41,361 | 4,017 | -- | -- | 8 | 128,672 | 23,261 |
| Oxygenated | 10,958 | 0 | 0 | -- | 488 | -42 | -- | -- | 1 | 11,487 | 238 |
| Other | -5,557 | 37,242 | 13,644 | -- | 151,637 | -2,399 | -- | -- | 239 | 199,125 | 28,673 |
| Finished Aviation Gasoline | -- | 11 | 0 | -- | 260 | 8 | -- | -- | 0 | 263 | 236 |
| Jet Fuel | -- | 11,242 | 8,900 | -- | 50,912 | -1,784 | -- | -- | 556 | 72,282 | 10,169 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 213 | -213 | 0 |
| Kerosene-Type | -- | 11,242 | 8,900 | -- | 50,912 | -1,784 | -- | -- | 344 | 72,494 | 10,169 |
| Kerosene | -- | 2,289 | 190 | -- | 686 | -1,827 | -- | -- | 8 | 4,984 | 2,749 |
| Distillate Fuel Oil | -- | 53,725 | 22,358 | -- | 86,512 | -11,000 | -- | -- | 514 | 173,081 | 49,037 |
| 0.05 percent sulfur and under | -- | 16,888 | 10,718 | -- | 45,852 | -4,090 | -- | -- | 22 | 77,526 | 14,542 |
| Greater than 0.05 percent sulfur | -- | 36,837 | 11,640 | -- | 40,660 | -6,910 | -- | -- | 492 | 95,555 | 34,495 |
| Residual Fuel Oil | -- | 16,990 | 22,017 | -- | 3,963 | -3,130 | -- | -- | 1,472 | 44,628 | 13,588 |
| Petrochemical Feedstocks[e] | -- | 1,482 | 784 | -- | -35 | -52 | -- | -- | 0 | 2,283 | 426 |
| Special Naphthas | -- | 171 | 358 | -- | 399 | -16 | -- | -- | 270 | 674 | 100 |
| Lubricants | -- | 2,146 | 755 | -- | 2,461 | -605 | -- | -- | 515 | 5,452 | 2,132 |
| Waxes | -- | 371 | 99 | -- | 0 | -185 | -- | -- | 82 | 573 | 35 |
| Petroleum Coke | -- | 6,121 | 0 | -- | 0 | 125 | -- | -- | 834 | 5,162 | 445 |
| Asphalt and Road Oil | -- | 7,563 | 2,124 | -- | 1,242 | 2,748 | -- | -- | 58 | 8,123 | 6,408 |
| Still Gas | -- | 7,311 | 0 | -- | 0 | 0 | -- | -- | 0 | 7,311 | 0 |
| Miscellaneous Products | -- | 273 | 0 | -- | 0 | 5 | -- | -- | 20 | 248 | 94 |
| **Total** | 13,720 | 225,200 | 298,636 | 8,340 | 355,700 | -6,828 | 0 | 217,359 | 4,698 | 686,367 | 181,608 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 8. PAD District I—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E 27 | -- | 1,523 | 151 | -4 | 69 | 0 | 1,628 | 0 | 0 |
| **Natural Gas Liquids and LRGs** | 26 | 70 | 21 | -- | 85 | 37 | -- | 3 | 2 | 160 |
| Pentanes Plus | 3 | -- | 0 | -- | 0 | (s) | -- | 0 | (s) | 3 |
| Liquefied Petroleum Gases | 23 | 70 | 21 | -- | 85 | 37 | -- | 3 | 2 | 157 |
| Ethane/Ethylene | 8 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 8 |
| Propane/Propylene | 11 | 56 | 18 | -- | 85 | 18 | -- | 0 | 1 | 150 |
| Normal Butane/Butylene | 4 | 13 | 3 | -- | 0 | 17 | -- | (s) | 1 | 2 |
| Isobutane/Isobutylene | 1 | 1 | 0 | -- | 0 | 2 | -- | 3 | 0 | -3 |
| **Other Liquids** | 4 | -- | 241 | -- | 27 | 8 | -- | 325 | (s) | -61 |
| Other Hydrocarbons/Oxygenates | 44 | -- | 27 | -- | 0 | -9 | -- | 79 | 0 | 0 |
| Unfinished Oils | -- | -- | 14 | -- | (s) | -5 | -- | 84 | 0 | -64 |
| Motor Gasoline Blend. Comp. | -40 | -- | 200 | -- | 27 | 21 | -- | 166 | (s) | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 1 | -- | -4 | 0 | 3 |
| **Finished Petroleum Products** | 48 | 1,946 | 697 | -- | 3,000 | 197 | -- | -- | 24 | 5,469 |
| Finished Motor Gasoline | 48 | 992 | 242 | -- | 1,725 | 124 | -- | -- | (s) | 2,882 |
| Reformulated | -- | 666 | 114 | -- | 410 | 49 | -- | -- | (s) | 1,140 |
| Oxygenated | 84 | 0 | 0 | -- | 5 | 1 | -- | -- | 0 | 89 |
| Other | -36 | 327 | 128 | -- | 1,310 | 75 | -- | -- | (s) | 1,654 |
| Finished Aviation Gasoline | -- | 1 | 0 | -- | 1 | 1 | -- | -- | 0 | 1 |
| Jet Fuel | -- | 106 | 54 | -- | 446 | 24 | -- | -- | (s) | 582 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 106 | 54 | -- | 446 | 24 | -- | -- | (s) | 582 |
| Kerosene | -- | 14 | (s) | -- | 4 | 6 | -- | -- | (s) | 12 |
| Distillate Fuel Oil | -- | 467 | 178 | -- | 723 | 113 | -- | -- | 3 | 1,252 |
| 0.05 percent sulfur and under | -- | 153 | 82 | -- | 435 | 9 | -- | -- | (s) | 662 |
| Greater than 0.05 percent sulfur | -- | 314 | 95 | -- | 288 | 104 | -- | -- | 2 | 591 |
| Residual Fuel Oil | -- | 124 | 196 | -- | 43 | -58 | -- | -- | 4 | 415 |
| Petrochemical Feedstocks[e] | -- | 13 | 4 | -- | 5 | (s) | -- | -- | 0 | 21 |
| Special Naphthas | -- | 2 | 4 | -- | 6 | (s) | -- | -- | (s) | 11 |
| Lubricants | -- | 15 | 4 | -- | 32 | -12 | -- | -- | 4 | 58 |
| Waxes | -- | 2 | 1 | -- | 0 | -4 | -- | -- | (s) | 6 |
| Petroleum Coke | -- | 53 | 0 | -- | 0 | -1 | -- | -- | 10 | 43 |
| Asphalt and Road Oil | -- | 94 | 15 | -- | 15 | 3 | -- | -- | (s) | 120 |
| Still Gas | -- | 62 | 0 | -- | 0 | 0 | -- | -- | 0 | 62 |
| Miscellaneous Products | -- | 2 | 0 | -- | 0 | (s) | -- | -- | (s) | 2 |
| **Total** | 105 | 2,016 | 2,481 | 151 | 3,108 | 311 | 0 | 1,956 | 26 | 5,568 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 9. PAD District I—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | [E] **26** | **--** | **1,524** | **70** | **-4** | **52** | **0** | **1,564** | **(s)** | **0** |
| **Natural Gas Liquids and LRGs** | **27** | **40** | **34** | **--** | **122** | **-11** | **--** | **6** | **1** | **227** |
| Pentanes Plus | 3 | -- | 0 | -- | 0 | (s) | -- | 0 | (s) | 3 |
| Liquefied Petroleum Gases | 24 | 40 | 34 | -- | 122 | -11 | -- | 6 | 1 | 224 |
| Ethane/Ethylene | 8 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 8 |
| Propane/Propylene | 11 | 54 | 32 | -- | 119 | -9 | -- | 0 | 1 | 224 |
| Normal Butane/Butylene | 4 | -10 | 2 | -- | 1 | -3 | -- | 3 | (s) | -3 |
| Isobutane/Isobutylene | 1 | -4 | 0 | -- | 1 | (s) | -- | 3 | 0 | -5 |
| **Other Liquids** | **16** | **--** | **188** | **--** | **14** | **20** | **--** | **241** | **(s)** | **-43** |
| Other Hydrocarbons/Oxygenates | 52 | -- | 19 | -- | 0 | -2 | -- | 74 | 0 | 0 |
| Unfinished Oils | -- | -- | 30 | -- | (s) | -6 | -- | 83 | 0 | -47 |
| Motor Gasoline Blend. Comp. | -36 | -- | 139 | -- | 14 | 29 | -- | 88 | (s) | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | -3 | 0 | 4 |
| **Finished Petroleum Products** | **45** | **1,837** | **743** | **--** | **2,832** | **-118** | **--** | **--** | **38** | **5,536** |
| Finished Motor Gasoline | 45 | 923 | 263 | -- | 1,612 | 13 | -- | -- | 2 | 2,827 |
| Reformulated | -- | 612 | 149 | -- | 345 | 33 | -- | -- | (s) | 1,072 |
| Oxygenated | 91 | 0 | 0 | -- | 4 | (s) | -- | -- | (s) | 96 |
| Other | -46 | 310 | 114 | -- | 1,264 | -20 | -- | -- | 2 | 1,659 |
| Finished Aviation Gasoline | -- | (s) | 0 | -- | 2 | (s) | -- | -- | 0 | 2 |
| Jet Fuel | -- | 94 | 74 | -- | 424 | -15 | -- | -- | 5 | 602 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 2 | -2 |
| Kerosene-Type | -- | 94 | 74 | -- | 424 | -15 | -- | -- | 3 | 604 |
| Kerosene | -- | 19 | 2 | -- | 6 | -15 | -- | -- | (s) | 42 |
| Distillate Fuel Oil | -- | 448 | 186 | -- | 721 | -92 | -- | -- | 4 | 1,442 |
| 0.05 percent sulfur and under | -- | 141 | 89 | -- | 382 | -34 | -- | -- | (s) | 646 |
| Greater than 0.05 percent sulfur | -- | 307 | 97 | -- | 339 | -58 | -- | -- | 4 | 796 |
| Residual Fuel Oil | -- | 142 | 183 | -- | 33 | -26 | -- | -- | 12 | 372 |
| Petrochemical Feedstocks [e] | -- | 12 | 7 | -- | (s) | (s) | -- | -- | 0 | 19 |
| Special Naphthas | -- | 1 | 3 | -- | 3 | (s) | -- | -- | 2 | 6 |
| Lubricants | -- | 18 | 6 | -- | 21 | -5 | -- | -- | 4 | 45 |
| Waxes | -- | 3 | 1 | -- | 0 | -2 | -- | -- | 1 | 5 |
| Petroleum Coke | -- | 51 | 0 | -- | 0 | 1 | -- | -- | 7 | 43 |
| Asphalt and Road Oil | -- | 63 | 18 | -- | 10 | 23 | -- | -- | (s) | 68 |
| Still Gas | -- | 61 | 0 | -- | 0 | 0 | -- | -- | 0 | 61 |
| Miscellaneous Products | -- | 2 | 0 | -- | 0 | (s) | -- | -- | (s) | 2 |
| **Total** | **114** | **1,877** | **2,489** | **70** | **2,964** | **-57** | **0** | **1,811** | **39** | **5,720** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 10. PAD District II—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E **16,567** | **--** | **26,370** | **-2,160** | **63,332** | **4,669** | **0** | **96,957** | **2,483** | **0** | **82,012** |
| **Natural Gas Liquids and LRGs** | **8,768** | **4,482** | **2,705** | **--** | **-20** | **4,876** | **--** | **2,365** | **702** | **7,992** | **26,768** |
| Pentanes Plus | 1,150 | -- | 27 | -- | 698 | -110 | -- | 1,310 | 438 | 237 | 1,492 |
| Liquefied Petroleum Gases | 7,618 | 4,482 | 2,678 | -- | -718 | 4,986 | -- | 1,055 | 264 | 7,755 | 25,276 |
| Ethane/Ethylene | 2,974 | 0 | 7 | -- | -1,849 | 449 | -- | 0 | 0 | 683 | 3,903 |
| Propane/Propylene | 3,063 | 3,346 | 2,371 | -- | 858 | 2,621 | -- | 0 | 74 | 6,943 | 14,567 |
| Normal Butane/Butylene | 1,132 | 859 | 81 | -- | -102 | 1,826 | -- | 253 | 190 | -299 | 4,578 |
| Isobutane/Isobutylene | 449 | 277 | 219 | -- | 375 | 90 | -- | 802 | 0 | 428 | 2,228 |
| **Other Liquids** | **-589** | **--** | **2** | **--** | **1,703** | **-9** | **--** | **2,447** | **0** | **-1,322** | **28,188** |
| Other Hydrocarbons/Oxygenates | 1,178 | -- | 0 | -- | 0 | 23 | -- | 1,155 | 0 | 0 | 1,877 |
| Unfinished Oils | -- | -- | 2 | -- | -147 | 95 | -- | 1,083 | 0 | -1,323 | 16,259 |
| Motor Gasoline Blend. Comp. | -1,767 | -- | 0 | -- | 1,850 | -113 | -- | 196 | 0 | 0 | 10,036 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | -14 | -- | 13 | 0 | 1 | 16 |
| **Finished Petroleum Products** | **2,629** | **102,096** | **421** | **--** | **25,668** | **434** | **--** | **--** | **300** | **130,080** | **114,195** |
| Finished Motor Gasoline | 2,629 | 52,387 | 62 | -- | 14,681 | -512 | -- | -- | 17 | 70,255 | 44,297 |
| Reformulated | -- | 6,968 | 0 | -- | 517 | -423 | -- | -- | (s) | 7,908 | 513 |
| Oxygenated | 8,625 | 1,842 | 0 | -- | -151 | -197 | -- | -- | 0 | 10,513 | 322 |
| Other | -5,995 | 43,577 | 62 | -- | 14,315 | 108 | -- | -- | 16 | 51,835 | 43,462 |
| Finished Aviation Gasoline | -- | 227 | 3 | -- | 54 | -25 | -- | -- | 0 | 309 | 468 |
| Jet Fuel | -- | 6,354 | 0 | -- | 3,866 | 29 | -- | -- | 11 | 10,180 | 8,070 |
| Naphtha-Type | -- | 4 | 0 | -- | 0 | 0 | -- | -- | (s) | 4 | 0 |
| Kerosene-Type | -- | 6,350 | 0 | -- | 3,866 | 29 | -- | -- | 10 | 10,177 | 8,070 |
| Kerosene | -- | 181 | 0 | -- | 5 | 43 | -- | -- | 1 | 142 | 1,122 |
| Distillate Fuel Oil | -- | 24,894 | 100 | -- | 7,381 | 3 | -- | -- | 22 | 32,350 | 31,566 |
| 0.05 percent sulfur and under | -- | 17,962 | 81 | -- | 6,231 | -67 | -- | -- | 20 | 24,321 | 21,352 |
| Greater than 0.05 percent sulfur | -- | 6,932 | 19 | -- | 1,150 | 70 | -- | -- | 2 | 8,029 | 10,214 |
| Residual Fuel Oil | -- | 2,678 | 91 | -- | -831 | 194 | -- | -- | 1 | 1,743 | 2,577 |
| Petrochemical Feedstocks[e] | -- | 1,182 | 27 | -- | 66 | -65 | -- | -- | 0 | 1,340 | 345 |
| Special Naphthas | -- | 778 | 45 | -- | 121 | 0 | -- | -- | 13 | 931 | 360 |
| Lubricants | -- | 761 | 29 | -- | 166 | -21 | -- | -- | 47 | 930 | 1,657 |
| Waxes | -- | 120 | 10 | -- | 0 | 0 | -- | -- | 20 | 110 | 174 |
| Petroleum Coke | -- | 4,059 | 0 | -- | 0 | -86 | -- | -- | 103 | 4,042 | 4,643 |
| Asphalt and Road Oil | -- | 4,456 | 53 | -- | 159 | 827 | -- | -- | 67 | 3,774 | 18,661 |
| Still Gas | -- | 3,764 | 0 | -- | 0 | 0 | -- | -- | 0 | 3,764 | 0 |
| Miscellaneous Products | -- | 255 | 1 | -- | 0 | 47 | -- | -- | (s) | 209 | 255 |
| **Total** | **27,375** | **106,578** | **29,498** | **-2,160** | **90,683** | **9,970** | **0** | **101,769** | **3,485** | **136,750** | **251,163** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 11. PAD District II—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | Ending Stocks |
| **Crude Oil** | E **66,021** | **--** | **101,850** | **6,267** | **239,516** | **8,381** | **0** | **396,420** | **8,853** | **0** | **82,012** |
| **Natural Gas Liquids and LRGs** | **35,090** | **14,047** | **11,660** | **--** | **1,985** | **-2,761** | **--** | **12,024** | **2,315** | **51,204** | **26,768** |
| Pentanes Plus | 4,553 | -- | 126 | -- | 2,569 | -278 | -- | 3,768 | 1,264 | 2,494 | 1,492 |
| Liquefied Petroleum Gases | 30,537 | 14,047 | 11,534 | -- | -584 | -2,483 | -- | 8,256 | 1,051 | 48,710 | 25,276 |
| Ethane/Ethylene | 11,713 | 0 | 45 | -- | -7,741 | 925 | -- | 0 | 0 | 3,092 | 3,903 |
| Propane/Propylene | 12,472 | 13,918 | 9,522 | -- | 4,717 | -3,422 | -- | 0 | 291 | 43,760 | 14,567 |
| Normal Butane/Butylene | 4,425 | -264 | 882 | -- | 711 | -223 | -- | 5,157 | 759 | 61 | 4,578 |
| Isobutane/Isobutylene | 1,927 | 393 | 1,085 | -- | 1,729 | 237 | -- | 3,099 | 0 | 1,798 | 2,228 |
| **Other Liquids** | **-2,450** | **--** | **7** | **--** | **5,216** | **3,392** | **--** | **2,191** | **(s)** | **-2,810** | **28,188** |
| Other Hydrocarbons/Oxygenates | 4,550 | -- | 0 | -- | 0 | -37 | -- | 4,587 | 0 | 0 | 1,877 |
| Unfinished Oils | -- | -- | 4 | -- | -492 | 3,875 | -- | -1,550 | 0 | -2,813 | 16,259 |
| Motor Gasoline Blend. Comp. | -7,000 | -- | 3 | -- | 5,708 | -426 | -- | -863 | (s) | 0 | 10,036 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | -20 | -- | 17 | 0 | 3 | 16 |
| **Finished Petroleum Products** | **10,739** | **416,992** | **1,191** | **--** | **85,843** | **10,687** | **--** | **--** | **1,745** | **502,332** | **114,195** |
| Finished Motor Gasoline | 10,739 | 216,982 | 224 | -- | 49,656 | 2,389 | -- | -- | 104 | 275,108 | 44,297 |
| Reformulated | -- | 28,650 | 0 | -- | 1,821 | -682 | -- | -- | 2 | 31,151 | 513 |
| Oxygenated | 37,387 | 7,017 | 0 | -- | -526 | -215 | -- | -- | 1 | 44,091 | 322 |
| Other | -26,648 | 181,315 | 224 | -- | 48,361 | 3,286 | -- | -- | 100 | 199,866 | 43,462 |
| Finished Aviation Gasoline | -- | 600 | 4 | -- | 244 | 95 | -- | -- | 0 | 753 | 468 |
| Jet Fuel | -- | 25,807 | 0 | -- | 13,117 | -868 | -- | -- | 212 | 39,580 | 8,070 |
| Naphtha-Type | -- | 19 | 0 | -- | 0 | 0 | -- | -- | (s) | 19 | 0 |
| Kerosene-Type | -- | 25,788 | 0 | -- | 13,117 | -868 | -- | -- | 212 | 39,561 | 8,070 |
| Kerosene | -- | 1,709 | 0 | -- | -43 | -457 | -- | -- | 10 | 2,113 | 1,122 |
| Distillate Fuel Oil | -- | 100,486 | 344 | -- | 23,608 | 191 | -- | -- | 203 | 124,044 | 31,566 |
| 0.05 percent sulfur and under | -- | 71,922 | 255 | -- | 20,605 | -968 | -- | -- | 91 | 93,659 | 21,352 |
| Greater than 0.05 percent sulfur | -- | 28,564 | 89 | -- | 3,003 | 1,159 | -- | -- | 112 | 30,385 | 10,214 |
| Residual Fuel Oil | -- | 9,088 | 110 | -- | -2,596 | 2 | -- | -- | 1 | 6,599 | 2,577 |
| Petrochemical Feedstocks[e] | -- | 4,705 | 132 | -- | 283 | -11 | -- | -- | 0 | 5,131 | 345 |
| Special Naphthas | -- | 3,053 | 164 | -- | 303 | -118 | -- | -- | 42 | 3,596 | 360 |
| Lubricants | -- | 3,023 | 94 | -- | 597 | -78 | -- | -- | 212 | 3,580 | 1,657 |
| Waxes | -- | 560 | 50 | -- | 0 | 30 | -- | -- | 76 | 504 | 174 |
| Petroleum Coke | -- | 16,914 | 0 | -- | 0 | 1,429 | -- | -- | 393 | 15,092 | 4,643 |
| Asphalt and Road Oil | -- | 17,834 | 65 | -- | 674 | 8,189 | -- | -- | 490 | 9,894 | 18,661 |
| Still Gas | -- | 15,118 | 0 | -- | 0 | 0 | -- | -- | 0 | 15,118 | 0 |
| Miscellaneous Products | -- | 1,113 | 4 | -- | 0 | -106 | -- | -- | 2 | 1,221 | 255 |
| **Total** | **109,400** | **431,039** | **114,708** | **6,267** | **332,560** | **19,699** | **0** | **410,635** | **12,913** | **550,727** | **251,163** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 12. PAD District II—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E 552 | -- | 879 | -72 | 2,111 | 156 | 0 | 3,232 | 83 | 0 |
| **Natural Gas Liquids and LRGs** | 292 | 149 | 90 | -- | -1 | 163 | -- | 79 | 23 | 266 |
| Pentanes Plus | 38 | -- | 1 | -- | 23 | -4 | -- | 44 | 15 | 8 |
| Liquefied Petroleum Gases | 254 | 149 | 89 | -- | -24 | 166 | -- | 35 | 9 | 258 |
| Ethane/Ethylene | 99 | 0 | (s) | -- | -62 | 15 | -- | 0 | 0 | 23 |
| Propane/Propylene | 102 | 112 | 79 | -- | 29 | 87 | -- | 0 | 2 | 231 |
| Normal Butane/Butylene | 38 | 29 | 3 | -- | -3 | 61 | -- | 8 | 6 | -10 |
| Isobutane/Isobutylene | 15 | 9 | 7 | -- | 13 | 3 | -- | 27 | 0 | 14 |
| **Other Liquids** | -20 | -- | (s) | -- | 57 | (s) | -- | 82 | 0 | -44 |
| Other Hydrocarbons/Oxygenates | 39 | -- | 0 | -- | 0 | 1 | -- | 39 | 0 | 0 |
| Unfinished Oils | -- | -- | (s) | -- | -5 | 3 | -- | 36 | 0 | -44 |
| Motor Gasoline Blend. Comp. | -59 | -- | 0 | -- | 62 | -4 | -- | 7 | 0 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | (s) |
| **Finished Petroleum Products** | 88 | 3,403 | 14 | -- | 856 | 14 | -- | -- | 10 | 4,336 |
| Finished Motor Gasoline | 88 | 1,746 | 2 | -- | 489 | -17 | -- | -- | 1 | 2,342 |
| Reformulated | -- | 232 | 0 | -- | 17 | -14 | -- | -- | (s) | 264 |
| Oxygenated | 287 | 61 | 0 | -- | -5 | -7 | -- | -- | 0 | 350 |
| Other | -200 | 1,453 | 2 | -- | 477 | 4 | -- | -- | 1 | 1,728 |
| Finished Aviation Gasoline | -- | 8 | (s) | -- | 2 | -1 | -- | -- | 0 | 10 |
| Jet Fuel | -- | 212 | 0 | -- | 129 | 1 | -- | -- | (s) | 339 |
| Naphtha-Type | -- | (s) | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 212 | 0 | -- | 129 | 1 | -- | -- | (s) | 339 |
| Kerosene | -- | 6 | 0 | -- | (s) | 1 | -- | -- | (s) | 5 |
| Distillate Fuel Oil | -- | 830 | 3 | -- | 246 | (s) | -- | -- | 1 | 1,078 |
| 0.05 percent sulfur and under | -- | 599 | 3 | -- | 208 | -2 | -- | -- | 1 | 811 |
| Greater than 0.05 percent sulfur | -- | 231 | 1 | -- | 38 | 2 | -- | -- | (s) | 268 |
| Residual Fuel Oil | -- | 89 | 3 | -- | -28 | 6 | -- | -- | (s) | 58 |
| Petrochemical Feedstocks[e] | -- | 39 | 1 | -- | 2 | -2 | -- | -- | 0 | 45 |
| Special Naphthas | -- | 26 | 2 | -- | 4 | 0 | -- | -- | (s) | 31 |
| Lubricants | -- | 25 | 1 | -- | 6 | -1 | -- | -- | 2 | 31 |
| Waxes | -- | 4 | (s) | -- | 0 | 0 | -- | -- | 1 | 4 |
| Petroleum Coke | -- | 135 | 0 | -- | 0 | -3 | -- | -- | 3 | 135 |
| Asphalt and Road Oil | -- | 149 | 2 | -- | 5 | 28 | -- | -- | 2 | 126 |
| Still Gas | -- | 125 | 0 | -- | 0 | 0 | -- | -- | 0 | 125 |
| Miscellaneous Products | -- | 9 | (s) | -- | 0 | 2 | -- | -- | (s) | 7 |
| **Total** | 913 | 3,553 | 983 | -72 | 3,023 | 332 | 0 | 3,392 | 116 | 4,558 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 13. PAD District II—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E 550 | -- | 849 | 52 | 1,996 | 70 | 0 | 3,304 | 74 | 0 |
| **Natural Gas Liquids and LRGs** | 292 | 117 | 97 | -- | 17 | -23 | -- | 100 | 19 | 427 |
| Pentanes Plus | 38 | -- | 1 | -- | 21 | -2 | -- | 31 | 11 | 21 |
| Liquefied Petroleum Gases | 254 | 117 | 96 | -- | -5 | -21 | -- | 69 | 9 | 406 |
| Ethane/Ethylene | 98 | 0 | (s) | -- | -65 | 8 | -- | 0 | 0 | 26 |
| Propane/Propylene | 104 | 116 | 79 | -- | 39 | -29 | -- | 0 | 2 | 365 |
| Normal Butane/Butylene | 37 | -2 | 7 | -- | 6 | -2 | -- | 43 | 6 | 1 |
| Isobutane/Isobutylene | 16 | 3 | 9 | -- | 14 | 2 | -- | 26 | 0 | 15 |
| **Other Liquids** | -20 | -- | (s) | -- | 43 | 28 | -- | 18 | (s) | -23 |
| Other Hydrocarbons/Oxygenates | 38 | -- | 0 | -- | 0 | (s) | -- | 38 | 0 | 0 |
| Unfinished Oils | -- | -- | (s) | -- | -4 | 32 | -- | -13 | 0 | -23 |
| Motor Gasoline Blend. Comp. | -58 | -- | (s) | -- | 48 | -4 | -- | -7 | (s) | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | (s) |
| **Finished Petroleum Products** | 89 | 3,475 | 10 | -- | 715 | 89 | -- | -- | 15 | 4,186 |
| Finished Motor Gasoline | 89 | 1,808 | 2 | -- | 414 | 20 | -- | -- | 1 | 2,293 |
| Reformulated | -- | 239 | 0 | -- | 15 | -6 | -- | -- | (s) | 260 |
| Oxygenated | 312 | 58 | 0 | -- | -4 | -2 | -- | -- | (s) | 367 |
| Other | -222 | 1,511 | 2 | -- | 403 | 27 | -- | -- | 1 | 1,666 |
| Finished Aviation Gasoline | -- | 5 | (s) | -- | 2 | 1 | -- | -- | 0 | 6 |
| Jet Fuel | -- | 215 | 0 | -- | 109 | -7 | -- | -- | 2 | 330 |
| Naphtha-Type | -- | (s) | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 215 | 0 | -- | 109 | -7 | -- | -- | 2 | 330 |
| Kerosene | -- | 14 | 0 | -- | (s) | -4 | -- | -- | (s) | 18 |
| Distillate Fuel Oil | -- | 837 | 3 | -- | 197 | 2 | -- | -- | 2 | 1,034 |
| 0.05 percent sulfur and under | -- | 599 | 2 | -- | 172 | -8 | -- | -- | 1 | 780 |
| Greater than 0.05 percent sulfur | -- | 238 | 1 | -- | 25 | 10 | -- | -- | 1 | 253 |
| Residual Fuel Oil | -- | 76 | 1 | -- | -22 | (s) | -- | -- | (s) | 55 |
| Petrochemical Feedstocks[e] | -- | 39 | 1 | -- | 2 | (s) | -- | -- | 0 | 43 |
| Special Naphthas | -- | 25 | 1 | -- | 3 | -1 | -- | -- | (s) | 30 |
| Lubricants | -- | 25 | 1 | -- | 5 | -1 | -- | -- | 2 | 30 |
| Waxes | -- | 5 | (s) | -- | 0 | (s) | -- | -- | 1 | 4 |
| Petroleum Coke | -- | 141 | 0 | -- | 0 | 12 | -- | -- | 3 | 126 |
| Asphalt and Road Oil | -- | 149 | 1 | -- | 6 | 68 | -- | -- | 4 | 82 |
| Still Gas | -- | 126 | 0 | -- | 0 | 0 | -- | -- | 0 | 126 |
| Miscellaneous Products | -- | 9 | (s) | -- | 0 | -1 | -- | -- | (s) | 10 |
| **Total** | 912 | 3,592 | 956 | 52 | 2,771 | 164 | 0 | 3,422 | 108 | 4,589 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 14. PAD District III—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E **102,876** | **--** | **161,764** | **16,113** | **-57,278** | **9,344** | **0** | **214,131** | **0** | **0** | **738,827** |
| **Natural Gas Liquids and LRGs** | **38,746** | **15,904** | **4,101** | **--** | **2,199** | **8,446** | **--** | **5,555** | **294** | **46,655** | **54,323** |
| Pentanes Plus | 6,023 | -- | 523 | -- | -284 | -170 | -- | 2,162 | 0 | 4,270 | 4,704 |
| Liquefied Petroleum Gases | 32,723 | 15,904 | 3,578 | -- | 2,483 | 8,616 | -- | 3,393 | 294 | 42,385 | 49,619 |
| Ethane/Ethylene | 15,308 | 1,195 | 420 | -- | 3,991 | 1,491 | -- | 0 | 0 | 19,423 | 14,410 |
| Propane/Propylene | 10,873 | 9,996 | 2,479 | -- | -2,032 | 4,019 | -- | 0 | 192 | 17,105 | 18,051 |
| Normal Butane/Butylene | 2,300 | 4,056 | 410 | -- | 570 | 3,180 | -- | 1,198 | 102 | 2,856 | 11,577 |
| Isobutane/Isobutylene | 4,242 | 657 | 269 | -- | -46 | -74 | -- | 2,195 | 0 | 3,001 | 5,581 |
| **Other Liquids** | **4,277** | **--** | **6,804** | **--** | **-2,555** | **-2,745** | **--** | **13,365** | **365** | **-2,459** | **70,722** |
| Other Hydrocarbons/Oxygenates | 3,830 | -- | 0 | -- | 0 | 401 | -- | 3,429 | 0 | 0 | 5,497 |
| Unfinished Oils | -- | -- | 6,662 | -- | 312 | -1,575 | -- | 11,008 | 0 | -2,459 | 49,015 |
| Motor Gasoline Blend. Comp. | 447 | -- | 142 | -- | -2,867 | -1,581 | -- | -1,062 | 365 | 0 | 16,177 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 10 | -- | -10 | 0 | 0 | 33 |
| **Finished Petroleum Products** | **-388** | **230,898** | **8,782** | **--** | **-120,167** | **-4,412** | **--** | **--** | **16,125** | **107,413** | **130,609** |
| Finished Motor Gasoline | -388 | 106,748 | 243 | -- | -69,007 | -1,380 | -- | -- | 2,043 | 36,934 | 47,096 |
| Reformulated | -- | 19,442 | 0 | -- | -13,399 | -222 | -- | -- | 0 | 6,265 | 9,017 |
| Oxygenated | 595 | 72 | 0 | -- | 0 | 0 | -- | -- | 0 | 667 | 0 |
| Other | -982 | 87,234 | 243 | -- | -55,608 | -1,158 | -- | -- | 2,043 | 30,002 | 38,079 |
| Finished Aviation Gasoline | -- | 382 | 0 | -- | -105 | 43 | -- | -- | 0 | 234 | 499 |
| Jet Fuel | -- | 22,838 | 0 | -- | -18,363 | -1,192 | -- | -- | 443 | 5,224 | 13,897 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 | 0 |
| Kerosene-Type | -- | 22,838 | 0 | -- | -18,363 | -1,192 | -- | -- | 443 | 5,224 | 13,897 |
| Kerosene | -- | 562 | 0 | -- | -119 | -287 | -- | -- | 50 | 680 | 642 |
| Distillate Fuel Oil | -- | 47,092 | 0 | -- | -29,982 | -2,218 | -- | -- | 4,195 | 15,133 | 30,270 |
| 0.05 percent sulfur and under | -- | 29,730 | 0 | -- | -20,036 | -690 | -- | -- | 608 | 9,776 | 16,394 |
| Greater than 0.05 percent sulfur | -- | 17,362 | 0 | -- | -9,946 | -1,528 | -- | -- | 3,587 | 5,357 | 13,876 |
| Residual Fuel Oil | -- | 11,725 | 0 | -- | -459 | 32 | -- | -- | 4,302 | 6,932 | 15,847 |
| Petrochemical Feedstocks[e] | -- | 11,982 | 8,375 | -- | -220 | 655 | -- | -- | 0 | 19,482 | 2,932 |
| Special Naphthas | -- | 939 | 72 | -- | -296 | -231 | -- | -- | 76 | 870 | 1,429 |
| Lubricants | -- | 3,636 | 12 | -- | -1,009 | -457 | -- | -- | 551 | 2,545 | 5,919 |
| Waxes | -- | 447 | 2 | -- | 0 | 60 | -- | -- | 44 | 345 | 467 |
| Petroleum Coke | -- | 10,932 | 0 | -- | 0 | 682 | -- | -- | 4,338 | 5,912 | 5,145 |
| Asphalt and Road Oil | -- | 3,622 | 78 | -- | -607 | 107 | -- | -- | 83 | 2,903 | 5,455 |
| Still Gas | -- | 8,909 | 0 | -- | 0 | 0 | -- | -- | 0 | 8,909 | 0 |
| Miscellaneous Products | -- | 1,084 | 0 | -- | 0 | -226 | -- | -- | (s) | 1,310 | 1,011 |
| **Total** | **145,511** | **246,802** | **181,451** | **16,113** | **-177,801** | **10,633** | **0** | **233,051** | **16,784** | **151,608** | **994,481** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 15. PAD District III—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | Ending Stocks |
| **Crude Oil** | E 407,394 | -- | 611,174 | 31,763 | -213,773 | 28,781 | 0 | 807,777 | 0 | 0 | 738,827 |
| **Natural Gas Liquids and LRGs** | 153,203 | 51,400 | 12,764 | -- | -2,093 | 1,013 | -- | 24,927 | 2,274 | 187,060 | 54,323 |
| Pentanes Plus | 22,997 | -- | 2,462 | -- | -1,037 | 1,026 | -- | 8,394 | 0 | 15,002 | 4,704 |
| Liquefied Petroleum Gases | 130,206 | 51,400 | 10,302 | -- | -1,056 | -13 | -- | 16,533 | 2,274 | 172,058 | 49,619 |
| Ethane/Ethylene | 61,004 | 3,671 | 2,269 | -- | 13,655 | -1,306 | -- | 0 | 0 | 81,905 | 14,410 |
| Propane/Propylene | 43,261 | 37,628 | 5,562 | -- | -14,712 | -748 | -- | 0 | 1,841 | 70,646 | 18,051 |
| Normal Butane/Butylene | 9,655 | 8,030 | 1,415 | -- | 716 | 1,563 | -- | 8,025 | 433 | 9,795 | 11,577 |
| Isobutane/Isobutylene | 16,286 | 2,071 | 1,056 | -- | -715 | 478 | -- | 8,508 | 0 | 9,712 | 5,581 |
| **Other Liquids** | 15,596 | -- | 27,326 | -- | -8,988 | 7,360 | -- | 35,752 | 1,742 | -10,920 | 70,722 |
| Other Hydrocarbons/Oxygenates | 12,779 | -- | 22 | -- | 0 | 461 | -- | 12,340 | 0 | 0 | 5,497 |
| Unfinished Oils | -- | -- | 26,533 | -- | 655 | 5,728 | -- | 32,380 | 0 | -10,920 | 49,015 |
| Motor Gasoline Blend. Comp. | 2,817 | -- | 771 | -- | -9,643 | 1,164 | -- | -8,961 | 1,742 | 0 | 16,177 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 7 | -- | -7 | 0 | 0 | 33 |
| **Finished Petroleum Products** | -2,560 | 869,258 | 30,730 | -- | -440,571 | 1,322 | -- | -- | 58,582 | 396,954 | 130,609 |
| Finished Motor Gasoline | -2,560 | 397,121 | 1,058 | -- | -250,835 | 778 | -- | -- | 11,070 | 132,936 | 47,096 |
| Reformulated | -- | 72,711 | 815 | -- | -43,658 | 599 | -- | -- | 0 | 29,269 | 9,017 |
| Oxygenated | 2,578 | 539 | 0 | -- | 0 | 0 | -- | -- | (s) | 3,117 | 0 |
| Other | -5,138 | 323,871 | 243 | -- | -207,177 | 179 | -- | -- | 11,070 | 100,550 | 38,079 |
| Finished Aviation Gasoline | -- | 1,262 | 0 | -- | -539 | 68 | -- | -- | 0 | 655 | 499 |
| Jet Fuel | -- | 89,203 | 9 | -- | -69,858 | 943 | -- | -- | 1,724 | 16,687 | 13,897 |
| Naphtha-Type | -- | 1 | 0 | -- | 0 | -1 | -- | -- | 14 | -12 | 0 |
| Kerosene-Type | -- | 89,202 | 9 | -- | -69,858 | 944 | -- | -- | 1,710 | 16,699 | 13,897 |
| Kerosene | -- | 4,137 | 0 | -- | -631 | -326 | -- | -- | 52 | 3,780 | 642 |
| Distillate Fuel Oil | -- | 180,333 | 0 | -- | -111,763 | -2,064 | -- | -- | 10,368 | 60,266 | 30,270 |
| 0.05 percent sulfur and under | -- | 109,611 | 0 | -- | -67,699 | -372 | -- | -- | 2,146 | 40,138 | 16,394 |
| Greater than 0.05 percent sulfur | -- | 70,722 | 0 | -- | -44,064 | -1,692 | -- | -- | 8,222 | 20,128 | 13,876 |
| Residual Fuel Oil | -- | 41,130 | 1,424 | -- | -1,367 | 1,102 | -- | -- | 11,591 | 28,494 | 15,847 |
| Petrochemical Feedstocks[e] | -- | 47,214 | 27,832 | -- | -248 | 91 | -- | -- | 0 | 74,707 | 2,932 |
| Special Naphthas | -- | 3,698 | 221 | -- | -702 | -181 | -- | -- | 159 | 3,239 | 1,429 |
| Lubricants | -- | 13,688 | 12 | -- | -2,822 | -1,078 | -- | -- | 1,839 | 10,117 | 5,919 |
| Waxes | -- | 1,551 | 18 | -- | 0 | -5 | -- | -- | 129 | 1,445 | 467 |
| Petroleum Coke | -- | 39,243 | 0 | -- | 0 | 1,051 | -- | -- | 21,465 | 16,727 | 5,145 |
| Asphalt and Road Oil | -- | 12,613 | 148 | -- | -1,916 | 1,199 | -- | -- | 182 | 9,464 | 5,455 |
| Still Gas | -- | 34,092 | 0 | -- | 0 | 0 | -- | -- | 0 | 34,092 | 0 |
| Miscellaneous Products | -- | 3,973 | 8 | -- | 110 | -256 | -- | -- | 1 | 4,346 | 1,011 |
| **Total** | 573,634 | 920,658 | 681,994 | 31,763 | -665,425 | 38,476 | 0 | 868,456 | 62,598 | 573,094 | 994,481 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 16. PAD District III—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E **3,429** | **--** | **5,392** | **537** | **-1,909** | **311** | **0** | **7,138** | **0** | **0** |
| **Natural Gas Liquids and LRGs** | **1,292** | **530** | **137** | **--** | **73** | **282** | **--** | **185** | **10** | **1,555** |
| Pentanes Plus | 201 | -- | 17 | -- | -9 | -6 | -- | 72 | 0 | 142 |
| Liquefied Petroleum Gases | 1,091 | 530 | 119 | -- | 83 | 287 | -- | 113 | 10 | 1,413 |
| Ethane/Ethylene | 510 | 40 | 14 | -- | 133 | 50 | -- | 0 | 0 | 647 |
| Propane/Propylene | 362 | 333 | 83 | -- | -68 | 134 | -- | 0 | 6 | 570 |
| Normal Butane/Butylene | 77 | 135 | 14 | -- | 19 | 106 | -- | 40 | 3 | 95 |
| Isobutane/Isobutylene | 141 | 22 | 9 | -- | -2 | -2 | -- | 73 | 0 | 100 |
| **Other Liquids** | **143** | **--** | **227** | **--** | **-85** | **-92** | **--** | **446** | **12** | **-82** |
| Other Hydrocarbons/Oxygenates | 128 | -- | 0 | -- | 0 | 13 | -- | 114 | 0 | 0 |
| Unfinished Oils | -- | -- | 222 | -- | 10 | -53 | -- | 367 | 0 | -82 |
| Motor Gasoline Blend. Comp. | 15 | -- | 5 | -- | -96 | -53 | -- | -35 | 12 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | 0 |
| **Finished Petroleum Products** | **-13** | **7,697** | **293** | **--** | **-4,006** | **-147** | **--** | **--** | **537** | **3,580** |
| Finished Motor Gasoline | -13 | 3,558 | 8 | -- | -2,300 | -46 | -- | -- | 68 | 1,231 |
| Reformulated | -- | 648 | 0 | -- | -447 | -7 | -- | -- | 0 | 209 |
| Oxygenated | 20 | 2 | 0 | -- | 0 | 0 | -- | -- | 0 | 22 |
| Other | -33 | 2,908 | 8 | -- | -1,854 | -39 | -- | -- | 68 | 1,000 |
| Finished Aviation Gasoline | -- | 13 | 0 | -- | -4 | 1 | -- | -- | 0 | 8 |
| Jet Fuel | -- | 761 | 0 | -- | -612 | -40 | -- | -- | 15 | 174 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 |
| Kerosene-Type | -- | 761 | 0 | -- | -612 | -40 | -- | -- | 15 | 174 |
| Kerosene | -- | 19 | 0 | -- | -4 | -10 | -- | -- | 2 | 23 |
| Distillate Fuel Oil | -- | 1,570 | 0 | -- | -999 | -74 | -- | -- | 140 | 504 |
| 0.05 percent sulfur and under | -- | 991 | 0 | -- | -668 | -23 | -- | -- | 20 | 326 |
| Greater than 0.05 percent sulfur | -- | 579 | 0 | -- | -332 | -51 | -- | -- | 120 | 179 |
| Residual Fuel Oil | -- | 391 | 0 | -- | -15 | 1 | -- | -- | 143 | 231 |
| Petrochemical Feedstocks[e] | -- | 399 | 279 | -- | -7 | 22 | -- | -- | 0 | 649 |
| Special Naphthas | -- | 31 | 2 | -- | -10 | -8 | -- | -- | 3 | 29 |
| Lubricants | -- | 121 | (s) | -- | -34 | -15 | -- | -- | 18 | 85 |
| Waxes | -- | 15 | (s) | -- | 0 | 2 | -- | -- | 1 | 11 |
| Petroleum Coke | -- | 364 | 0 | -- | 0 | 23 | -- | -- | 145 | 197 |
| Asphalt and Road Oil | -- | 121 | 3 | -- | -20 | 4 | -- | -- | 3 | 97 |
| Still Gas | -- | 297 | 0 | -- | 0 | 0 | -- | -- | 0 | 297 |
| Miscellaneous Products | -- | 36 | 0 | -- | 0 | -8 | -- | -- | (s) | 44 |
| **Total** | **4,850** | **8,227** | **6,048** | **537** | **-5,927** | **354** | **0** | **7,768** | **559** | **5,054** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 17. PAD District III—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E **3,395** | **--** | **5,093** | **265** | **-1,781** | **240** | **0** | **6,731** | **0** | **0** |
| **Natural Gas Liquids and LRGs** | **1,277** | **428** | **106** | **--** | **-17** | **8** | **--** | **208** | **19** | **1,559** |
| Pentanes Plus | 192 | -- | 21 | -- | -9 | 9 | -- | 70 | 0 | 125 |
| Liquefied Petroleum Gases | 1,085 | 428 | 86 | -- | -9 | (s) | -- | 138 | 19 | 1,434 |
| Ethane/Ethylene | 508 | 31 | 19 | -- | 114 | -11 | -- | 0 | 0 | 683 |
| Propane/Propylene | 361 | 314 | 46 | -- | -123 | -6 | -- | 0 | 15 | 589 |
| Normal Butane/Butylene | 80 | 67 | 12 | -- | 6 | 13 | -- | 67 | 4 | 82 |
| Isobutane/Isobutylene | 136 | 17 | 9 | -- | -6 | 4 | -- | 71 | 0 | 81 |
| **Other Liquids** | **130** | **--** | **228** | **--** | **-75** | **61** | **--** | **298** | **15** | **-91** |
| Other Hydrocarbons/Oxygenates | 106 | -- | (s) | -- | 0 | 4 | -- | 103 | 0 | 0 |
| Unfinished Oils | -- | -- | 221 | -- | 5 | 48 | -- | 270 | 0 | -91 |
| Motor Gasoline Blend. Comp. | 23 | -- | 6 | -- | -80 | 10 | -- | -75 | 15 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | 0 |
| **Finished Petroleum Products** | **-21** | **7,244** | **256** | **--** | **-3,671** | **11** | **--** | **--** | **488** | **3,308** |
| Finished Motor Gasoline | -21 | 3,309 | 9 | -- | -2,090 | 6 | -- | -- | 92 | 1,108 |
| Reformulated | -- | 606 | 7 | -- | -364 | 5 | -- | -- | 0 | 244 |
| Oxygenated | 21 | 4 | 0 | -- | 0 | 0 | -- | -- | (s) | 26 |
| Other | -43 | 2,699 | 2 | -- | -1,726 | 1 | -- | -- | 92 | 838 |
| Finished Aviation Gasoline | -- | 11 | 0 | -- | -4 | 1 | -- | -- | 0 | 5 |
| Jet Fuel | -- | 743 | (s) | -- | -582 | 8 | -- | -- | 14 | 139 |
| Naphtha-Type | -- | (s) | 0 | -- | 0 | (s) | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 743 | (s) | -- | -582 | 8 | -- | -- | 14 | 139 |
| Kerosene | -- | 34 | 0 | -- | -5 | -3 | -- | -- | (s) | 32 |
| Distillate Fuel Oil | -- | 1,503 | 0 | -- | -931 | -17 | -- | -- | 86 | 502 |
| 0.05 percent sulfur and under | -- | 913 | 0 | -- | -564 | -3 | -- | -- | 18 | 334 |
| Greater than 0.05 percent sulfur | -- | 589 | 0 | -- | -367 | -14 | -- | -- | 69 | 168 |
| Residual Fuel Oil | -- | 343 | 12 | -- | -11 | 9 | -- | -- | 97 | 237 |
| Petrochemical Feedstocks[e] | -- | 393 | 232 | -- | -2 | 1 | -- | -- | 0 | 623 |
| Special Naphthas | -- | 31 | 2 | -- | -6 | -2 | -- | -- | 1 | 27 |
| Lubricants | -- | 114 | (s) | -- | -24 | -9 | -- | -- | 15 | 84 |
| Waxes | -- | 13 | (s) | -- | 0 | (s) | -- | -- | 1 | 12 |
| Petroleum Coke | -- | 327 | 0 | -- | 0 | 9 | -- | -- | 179 | 139 |
| Asphalt and Road Oil | -- | 105 | 1 | -- | -16 | 10 | -- | -- | 2 | 79 |
| Still Gas | -- | 284 | 0 | -- | 0 | 0 | -- | -- | 0 | 284 |
| Miscellaneous Products | -- | 33 | (s) | -- | 1 | -2 | -- | -- | (s) | 36 |
| **Total** | **4,780** | **7,672** | **5,683** | **265** | **-5,545** | **321** | **0** | **7,237** | **522** | **4,776** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 18. PAD District IV—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E **10,411** | **--** | **5,224** | **2,135** | **-4,022** | **444** | **0** | **13,304** | **0** | **0** | **13,288** |
| **Natural Gas Liquids and LRGs** | **4,714** | **252** | **244** | **--** | **-4,741** | **-31** | **--** | **358** | **5** | **137** | **1,257** |
| Pentanes Plus | 760 | -- | 110 | -- | -414 | -9 | -- | 131 | 5 | 329 | 199 |
| Liquefied Petroleum Gases | 3,954 | 252 | 134 | -- | -4,327 | -22 | -- | 227 | 0 | -192 | 1,058 |
| Ethane/Ethylene | 1,587 | 0 | 0 | -- | -2,142 | 21 | -- | 0 | 0 | -576 | 233 |
| Propane/Propylene | 1,486 | 234 | 97 | -- | -1,388 | -34 | -- | 0 | 0 | 463 | 329 |
| Normal Butane/Butylene | 582 | 47 | 37 | -- | -468 | 11 | -- | 127 | 0 | 60 | 332 |
| Isobutane/Isobutylene | 299 | -29 | 0 | -- | -329 | -20 | -- | 100 | 0 | -139 | 164 |
| **Other Liquids** | **72** | **--** | **0** | **--** | **0** | **309** | **--** | **-276** | **0** | **39** | **5,205** |
| Other Hydrocarbons/Oxygenates | -14 | -- | 0 | -- | 0 | -53 | -- | 39 | 0 | 0 | 282 |
| Unfinished Oils | -- | -- | 0 | -- | 0 | 737 | -- | -776 | 0 | 39 | 3,335 |
| Motor Gasoline Blend. Comp. | 86 | -- | 0 | -- | 0 | -375 | -- | 461 | 0 | 0 | 1,588 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| **Finished Petroleum Products** | **18** | **13,487** | **184** | **--** | **1,446** | **-796** | **--** | **--** | **14** | **15,917** | **11,249** |
| Finished Motor Gasoline | 18 | 6,686 | 25 | -- | 202 | -490 | -- | -- | (s) | 7,421 | 4,511 |
| Reformulated | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 | 0 |
| Oxygenated | 1,041 | 211 | 0 | -- | 0 | -33 | -- | -- | 0 | 1,285 | 90 |
| Other | -1,023 | 6,475 | 25 | -- | 202 | -457 | -- | -- | (s) | 6,136 | 4,421 |
| Finished Aviation Gasoline | -- | 10 | 0 | -- | 7 | -10 | -- | -- | 0 | 27 | 31 |
| Jet Fuel | -- | 680 | 0 | -- | 684 | 1 | -- | -- | 0 | 1,363 | 853 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 | 0 |
| Kerosene-Type | -- | 680 | 0 | -- | 684 | 1 | -- | -- | 0 | 1,363 | 853 |
| Kerosene | -- | 45 | 0 | -- | 0 | -6 | -- | -- | 0 | 51 | 61 |
| Distillate Fuel Oil | -- | 3,789 | 158 | -- | 553 | -139 | -- | -- | 0 | 4,639 | 2,275 |
| 0.05 percent sulfur and under | -- | 3,083 | 55 | -- | 553 | -154 | -- | -- | 0 | 3,845 | 1,841 |
| Greater than 0.05 percent sulfur | -- | 706 | 103 | -- | 0 | 15 | -- | -- | 0 | 794 | 434 |
| Residual Fuel Oil | -- | 393 | 0 | -- | 0 | 27 | -- | -- | 0 | 366 | 748 |
| Petrochemical Feedstocks[e] | -- | 6 | 0 | -- | 0 | 0 | -- | -- | 0 | 6 | 0 |
| Special Naphthas | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) | 0 |
| Lubricants | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 11 | -11 | 0 |
| Waxes | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 2 | -2 | 0 |
| Petroleum Coke | -- | 420 | 0 | -- | 0 | 25 | -- | -- | (s) | 395 | 226 |
| Asphalt and Road Oil | -- | 930 | 1 | -- | 0 | -207 | -- | -- | 1 | 1,137 | 2,527 |
| Still Gas | -- | 479 | 0 | -- | 0 | 0 | -- | -- | 0 | 479 | 0 |
| Miscellaneous Products | -- | 49 | 0 | -- | 0 | 3 | -- | -- | 0 | 46 | 17 |
| **Total** | **15,215** | **13,739** | **5,652** | **2,135** | **-7,317** | **-74** | **0** | **13,386** | **19** | **16,093** | **30,999** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 19. PAD District IV—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E **41,663** | **--** | **22,534** | **7,130** | **-15,891** | **504** | **0** | **54,932** | **0** | **0** | **13,288** |
| **Natural Gas Liquids and LRGs** | **17,557** | **728** | **1,502** | **--** | **-14,482** | **-113** | **--** | **1,964** | **22** | **3,432** | **1,257** |
| Pentanes Plus | 3,054 | -- | 425 | -- | -1,532 | -28 | -- | 521 | 21 | 1,433 | 199 |
| Liquefied Petroleum Gases | 14,503 | 728 | 1,077 | -- | -12,950 | -85 | -- | 1,443 | 2 | 1,998 | 1,058 |
| Ethane/Ethylene | 5,141 | 0 | 0 | -- | -5,914 | 20 | -- | 0 | 0 | -793 | 233 |
| Propane/Propylene | 5,909 | 1,104 | 652 | -- | -4,337 | -160 | -- | 0 | 2 | 3,486 | 329 |
| Normal Butane/Butylene | 2,251 | -233 | 425 | -- | -1,589 | 26 | -- | 995 | 0 | -167 | 332 |
| Isobutane/Isobutylene | 1,202 | -143 | 0 | -- | -1,110 | 29 | -- | 448 | 0 | -528 | 164 |
| **Other Liquids** | **847** | **--** | **0** | **--** | **0** | **816** | **--** | **41** | **0** | **-10** | **5,205** |
| Other Hydrocarbons/Oxygenates | 299 | -- | 0 | -- | 0 | 30 | -- | 269 | 0 | 0 | 282 |
| Unfinished Oils | -- | -- | 0 | -- | 0 | 1,114 | -- | -1,104 | 0 | -10 | 3,335 |
| Motor Gasoline Blend. Comp. | 548 | -- | 0 | -- | 0 | -328 | -- | 876 | 0 | 0 | 1,588 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 0 | -- | 0 | 0 | 0 | 0 |
| **Finished Petroleum Products** | **-97** | **57,992** | **633** | **--** | **4,685** | **-74** | **--** | **--** | **47** | **63,241** | **11,249** |
| Finished Motor Gasoline | -97 | 29,010 | 74 | -- | 259 | -335 | -- | -- | 3 | 29,578 | 4,511 |
| Reformulated | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 | 0 |
| Oxygenated | 4,512 | 2,269 | 0 | -- | 38 | -174 | -- | -- | 2 | 6,991 | 90 |
| Other | -4,609 | 26,741 | 74 | -- | 221 | -161 | -- | -- | (s) | 22,588 | 4,421 |
| Finished Aviation Gasoline | -- | 36 | 0 | -- | 35 | -10 | -- | -- | 0 | 81 | 31 |
| Jet Fuel | -- | 2,800 | 0 | -- | 3,934 | 14 | -- | -- | (s) | 6,720 | 853 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 | 0 |
| Kerosene-Type | -- | 2,800 | 0 | -- | 3,934 | 14 | -- | -- | (s) | 6,720 | 853 |
| Kerosene | -- | 264 | 0 | -- | -12 | -6 | -- | -- | 0 | 258 | 61 |
| Distillate Fuel Oil | -- | 15,791 | 558 | -- | 469 | -524 | -- | -- | (s) | 17,342 | 2,275 |
| 0.05 percent sulfur and under | -- | 12,684 | 126 | -- | 479 | -463 | -- | -- | 0 | 13,752 | 1,841 |
| Greater than 0.05 percent sulfur | -- | 3,107 | 432 | -- | -10 | -61 | -- | -- | (s) | 3,590 | 434 |
| Residual Fuel Oil | -- | 1,733 | 0 | -- | 0 | 148 | -- | -- | 0 | 1,585 | 748 |
| Petrochemical Feedstocks[e] | -- | 45 | 0 | -- | 0 | -1 | -- | -- | 0 | 46 | 0 |
| Special Naphthas | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 1 | -1 | 0 |
| Lubricants | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 35 | -35 | 0 |
| Waxes | -- | 61 | 0 | -- | 0 | -20 | -- | -- | 3 | 78 | 0 |
| Petroleum Coke | -- | 1,941 | 0 | -- | 0 | 122 | -- | -- | (s) | 1,819 | 226 |
| Asphalt and Road Oil | -- | 3,879 | 1 | -- | 0 | 535 | -- | -- | 4 | 3,341 | 2,527 |
| Still Gas | -- | 2,216 | 0 | -- | 0 | 0 | -- | -- | 0 | 2,216 | 0 |
| Miscellaneous Products | -- | 216 | 0 | -- | 0 | 3 | -- | -- | 0 | 213 | 17 |
| **Total** | **59,970** | **58,720** | **24,669** | **7,130** | **-25,688** | **1,133** | **0** | **56,937** | **69** | **66,662** | **30,999** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 20. PAD District IV—Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E **347** | **--** | **174** | **71** | **-134** | **15** | **0** | **443** | **0** | **0** |
| **Natural Gas Liquids and LRGs** | **157** | **8** | **8** | **--** | **-158** | **-1** | **--** | **12** | **(s)** | **5** |
| Pentanes Plus | 25 | -- | 4 | -- | -14 | (s) | -- | 4 | (s) | 11 |
| Liquefied Petroleum Gases | 132 | 8 | 4 | -- | -144 | -1 | -- | 8 | 0 | -6 |
| Ethane/Ethylene | 53 | 0 | 0 | -- | -71 | 1 | -- | 0 | 0 | -19 |
| Propane/Propylene | 50 | 8 | 3 | -- | -46 | -1 | -- | 0 | 0 | 15 |
| Normal Butane/Butylene | 19 | 2 | 1 | -- | -16 | (s) | -- | 4 | 0 | 2 |
| Isobutane/Isobutylene | 10 | -1 | 0 | -- | -11 | -1 | -- | 3 | 0 | -5 |
| **Other Liquids** | **2** | **--** | **0** | **--** | **0** | **10** | **--** | **-9** | **0** | **1** |
| Other Hydrocarbons/Oxygenates | (s) | -- | 0 | -- | 0 | -2 | -- | 1 | 0 | 0 |
| Unfinished Oils | -- | -- | 0 | -- | 0 | 25 | -- | -26 | 0 | 1 |
| Motor Gasoline Blend. Comp. | 3 | -- | 0 | -- | 0 | -13 | -- | 15 | 0 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 0 | -- | 0 | 0 | 0 |
| **Finished Petroleum Products** | **1** | **450** | **6** | **--** | **48** | **-27** | **--** | **--** | **(s)** | **531** |
| Finished Motor Gasoline | 1 | 223 | 1 | -- | 7 | -16 | -- | -- | (s) | 247 |
| Reformulated | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 |
| Oxygenated | 35 | 7 | 0 | -- | 0 | -1 | -- | -- | 0 | 43 |
| Other | -34 | 216 | 1 | -- | 7 | -15 | -- | -- | (s) | 205 |
| Finished Aviation Gasoline | -- | (s) | 0 | -- | (s) | (s) | -- | -- | 0 | 1 |
| Jet Fuel | -- | 23 | 0 | -- | 23 | (s) | -- | -- | 0 | 45 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 |
| Kerosene-Type | -- | 23 | 0 | -- | 23 | (s) | -- | -- | 0 | 45 |
| Kerosene | -- | 2 | 0 | -- | 0 | (s) | -- | -- | 0 | 2 |
| Distillate Fuel Oil | -- | 126 | 5 | -- | 18 | -5 | -- | -- | 0 | 155 |
| 0.05 percent sulfur and under | -- | 103 | 2 | -- | 18 | -5 | -- | -- | 0 | 128 |
| Greater than 0.05 percent sulfur | -- | 24 | 3 | -- | 0 | 1 | -- | -- | 0 | 26 |
| Residual Fuel Oil | -- | 13 | 0 | -- | 0 | 1 | -- | -- | 0 | 12 |
| Petrochemical Feedstocks[e] | -- | (s) | 0 | -- | 0 | 0 | -- | -- | 0 | (s) |
| Special Naphthas | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Lubricants | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Waxes | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Petroleum Coke | -- | 14 | 0 | -- | 0 | 1 | -- | -- | (s) | 13 |
| Asphalt and Road Oil | -- | 31 | (s) | -- | 0 | -7 | -- | -- | (s) | 38 |
| Still Gas | -- | 16 | 0 | -- | 0 | 0 | -- | -- | 0 | 16 |
| Miscellaneous Products | -- | 2 | 0 | -- | 0 | (s) | -- | -- | 0 | 2 |
| **Total** | **507** | **458** | **188** | **71** | **-244** | **-2** | **0** | **446** | **1** | **536** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 21. PAD District IV—Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E **347** | **--** | **188** | **59** | **-132** | **4** | **0** | **458** | **0** | **0** |
| **Natural Gas Liquids and LRGs** | **146** | **6** | **13** | **--** | **-121** | **-1** | **--** | **16** | **(s)** | **29** |
| Pentanes Plus | 25 | -- | 4 | -- | -13 | (s) | -- | 4 | (s) | 12 |
| Liquefied Petroleum Gases | 121 | 6 | 9 | -- | -108 | -1 | -- | 12 | (s) | 17 |
| Ethane/Ethylene | 43 | 0 | 0 | -- | -49 | (s) | -- | 0 | 0 | -7 |
| Propane/Propylene | 49 | 9 | 5 | -- | -36 | -1 | -- | 0 | (s) | 29 |
| Normal Butane/Butylene | 19 | -2 | 4 | -- | -13 | (s) | -- | 8 | 0 | -1 |
| Isobutane/Isobutylene | 10 | -1 | 0 | -- | -9 | (s) | -- | 4 | 0 | -4 |
| **Other Liquids** | **7** | **--** | **0** | **--** | **0** | **7** | **--** | **(s)** | **0** | **(s)** |
| Other Hydrocarbons/Oxygenates | 2 | -- | 0 | -- | 0 | (s) | -- | 2 | 0 | 0 |
| Unfinished Oils | -- | -- | 0 | -- | 0 | 9 | -- | -9 | 0 | (s) |
| Motor Gasoline Blend. Comp. | 5 | -- | 0 | -- | 0 | -3 | -- | 7 | 0 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | 0 | -- | 0 | 0 | 0 |
| **Finished Petroleum Products** | **-1** | **483** | **5** | **--** | **39** | **-1** | **--** | **--** | **(s)** | **527** |
| Finished Motor Gasoline | -1 | 242 | 1 | -- | 2 | -3 | -- | -- | (s) | 246 |
| Reformulated | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 |
| Oxygenated | 38 | 19 | 0 | -- | (s) | -1 | -- | -- | (s) | 58 |
| Other | -38 | 223 | 1 | -- | 2 | -1 | -- | -- | (s) | 188 |
| Finished Aviation Gasoline | -- | (s) | 0 | -- | (s) | (s) | -- | -- | 0 | 1 |
| Jet Fuel | -- | 23 | 0 | -- | 33 | (s) | -- | -- | (s) | 56 |
| Naphtha-Type | -- | 0 | 0 | -- | 0 | 0 | -- | -- | 0 | 0 |
| Kerosene-Type | -- | 23 | 0 | -- | 33 | (s) | -- | -- | (s) | 56 |
| Kerosene | -- | 2 | 0 | -- | (s) | (s) | -- | -- | 0 | 2 |
| Distillate Fuel Oil | -- | 132 | 5 | -- | 4 | -4 | -- | -- | (s) | 145 |
| 0.05 percent sulfur and under | -- | 106 | 1 | -- | 4 | -4 | -- | -- | 0 | 115 |
| Greater than 0.05 percent sulfur | -- | 26 | 4 | -- | (s) | -1 | -- | -- | (s) | 30 |
| Residual Fuel Oil | -- | 14 | 0 | -- | 0 | 1 | -- | -- | 0 | 13 |
| Petrochemical Feedstocks[e] | -- | (s) | 0 | -- | 0 | (s) | -- | -- | 0 | (s) |
| Special Naphthas | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Lubricants | -- | 0 | 0 | -- | 0 | 0 | -- | -- | (s) | (s) |
| Waxes | -- | 1 | 0 | -- | 0 | (s) | -- | -- | (s) | 1 |
| Petroleum Coke | -- | 16 | 0 | -- | 0 | 1 | -- | -- | (s) | 15 |
| Asphalt and Road Oil | -- | 32 | (s) | -- | 0 | 4 | -- | -- | (s) | 28 |
| Still Gas | -- | 18 | 0 | -- | 0 | 0 | -- | -- | 0 | 18 |
| Miscellaneous Products | -- | 2 | 0 | -- | 0 | (s) | -- | -- | 0 | 2 |
| **Total** | **500** | **489** | **206** | **59** | **-214** | **9** | **0** | **474** | **1** | **556** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 22. PAD District V—Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 1998
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E 63,875 | -- | 16,664 | -2,357 | -1,917 | -1,762 | 0 | 75,622 | 2,405 | 0 | 63,309 |
| **Natural Gas Liquids and LRGs** | 2,767 | 2,815 | 3 | -- | 0 | 226 | -- | 2,442 | 557 | 2,360 | 3,395 |
| Pentanes Plus | 1,412 | -- | 0 | -- | 0 | 9 | -- | 1,133 | 0 | 270 | 30 |
| Liquefied Petroleum Gases | 1,355 | 2,815 | 3 | -- | 0 | 217 | -- | 1,309 | 557 | 2,090 | 3,365 |
| Ethane/Ethylene | 2 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 2 | 0 |
| Propane/Propylene | 350 | 1,392 | 3 | -- | 0 | 80 | -- | 0 | 345 | 1,320 | 889 |
| Normal Butane/Butylene | 395 | 1,240 | 0 | -- | 0 | 218 | -- | 781 | 211 | 425 | 2,010 |
| Isobutane/Isobutylene | 608 | 183 | 0 | -- | 0 | -81 | -- | 528 | 0 | 344 | 466 |
| **Other Liquids** | 839 | -- | 3,156 | -- | 42 | -1,937 | -- | 5,811 | (s) | 163 | 33,796 |
| Other Hydrocarbons/Oxygenates | 1,576 | -- | 2,222 | -- | 0 | -389 | -- | 4,187 | 0 | 0 | 3,581 |
| Unfinished Oils | -- | -- | 673 | -- | -175 | -321 | -- | 656 | 0 | 163 | 22,032 |
| Motor Gasoline Blend. Comp. | -737 | -- | 261 | -- | 217 | -1,222 | -- | 963 | (s) | 0 | 8,181 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | -5 | -- | 5 | 0 | 0 | 2 |
| **Finished Petroleum Products** | 945 | 85,582 | 1,063 | -- | 3,068 | -878 | -- | -- | 6,833 | 84,703 | 55,238 |
| Finished Motor Gasoline | 945 | 40,628 | 17 | -- | 2,384 | 594 | -- | -- | 360 | 43,020 | 20,247 |
| Reformulated | -- | 29,395 | 0 | -- | 595 | 497 | -- | -- | 4 | 29,489 | 11,436 |
| Oxygenated | 2,082 | 3 | 0 | -- | 0 | 0 | -- | -- | 0 | 2,085 | 0 |
| Other | -1,137 | 11,230 | 17 | -- | 1,789 | 97 | -- | -- | 356 | 11,446 | 8,811 |
| Finished Aviation Gasoline | -- | 129 | 1 | -- | 0 | 77 | -- | -- | 0 | 53 | 504 |
| Jet Fuel | -- | 12,215 | 180 | -- | 439 | -1,092 | -- | -- | 501 | 13,425 | 8,467 |
| Naphtha-Type | -- | 9 | 0 | -- | 0 | 1 | -- | -- | 0 | 8 | 50 |
| Kerosene-Type | -- | 12,206 | 180 | -- | 439 | -1,093 | -- | -- | 501 | 13,417 | 8,417 |
| Kerosene | -- | 137 | 0 | -- | 0 | -4 | -- | -- | 6 | 135 | 63 |
| Distillate Fuel Oil | -- | 13,625 | 89 | -- | 348 | 222 | -- | -- | 1,291 | 12,549 | 12,533 |
| 0.05 percent sulfur and under | -- | 10,814 | 71 | -- | 194 | 469 | -- | -- | 113 | 10,497 | 9,039 |
| Greater than 0.05 percent sulfur | -- | 2,811 | 18 | -- | 154 | -247 | -- | -- | 1,178 | 2,052 | 3,494 |
| Residual Fuel Oil | -- | 7,062 | 683 | -- | 0 | -331 | -- | -- | 604 | 7,472 | 6,427 |
| Petrochemical Feedstocks[e] | -- | 252 | 38 | -- | 0 | -152 | -- | -- | 0 | 442 | 206 |
| Special Naphthas | -- | 65 | 1 | -- | 0 | -3 | -- | -- | 308 | -239 | 49 |
| Lubricants | -- | 712 | 0 | -- | -103 | -4 | -- | -- | 78 | 535 | 1,371 |
| Waxes | -- | 52 | 3 | -- | 0 | -2 | -- | -- | 9 | 48 | 182 |
| Petroleum Coke | -- | 4,839 | 51 | -- | 0 | -29 | -- | -- | 3,595 | 1,324 | 2,164 |
| Asphalt and Road Oil | -- | 1,326 | 0 | -- | 0 | -117 | -- | -- | 16 | 1,427 | 2,858 |
| Still Gas | -- | 4,375 | 0 | -- | 0 | 0 | -- | -- | 0 | 4,375 | 0 |
| Miscellaneous Products | -- | 165 | 0 | -- | 0 | -37 | -- | -- | 65 | 137 | 167 |
| **Total** | 68,426 | 88,397 | 20,886 | -2,357 | 1,193 | -4,351 | 0 | 83,875 | 9,794 | 87,226 | 155,738 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 23. PAD District V—Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] | |
| **Crude Oil** | E **259,355** | **--** | **56,229** | **-858** | **-9,404** | **2,626** | **0** | **290,930** | **11,766** | **0** | **63,309** |
| **Natural Gas Liquids and LRGs** | **12,933** | **8,408** | **11** | **--** | **0** | **-1,511** | **--** | **12,363** | **2,124** | **8,376** | **3,395** |
| Pentanes Plus | 6,827 | -- | 0 | -- | 0 | 6 | -- | 5,737 | (s) | 1,084 | 30 |
| Liquefied Petroleum Gases | 6,106 | 8,408 | 11 | -- | 0 | -1,517 | -- | 6,626 | 2,123 | 7,293 | 3,365 |
| Ethane/Ethylene | 8 | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | 8 | 0 |
| Propane/Propylene | 1,527 | 5,730 | 11 | -- | 0 | -1,592 | -- | 0 | 998 | 7,862 | 889 |
| Normal Butane/Butylene | 2,354 | 2,345 | 0 | -- | 0 | 128 | -- | 4,732 | 1,126 | -1,287 | 2,010 |
| Isobutane/Isobutylene | 2,217 | 333 | 0 | -- | 0 | -53 | -- | 1,894 | 0 | 709 | 466 |
| **Other Liquids** | **4,672** | **--** | **9,018** | **--** | **2,100** | **331** | **--** | **12,751** | **100** | **2,608** | **33,796** |
| Other Hydrocarbons/Oxygenates | 9,821 | -- | 5,977 | -- | 0 | 562 | -- | 15,236 | 0 | 0 | 3,581 |
| Unfinished Oils | -- | -- | 2,780 | -- | -175 | 1,193 | -- | -1,196 | 0 | 2,608 | 22,032 |
| Motor Gasoline Blend. Comp. | -5,149 | -- | 261 | -- | 2,275 | -1,416 | -- | -1,297 | 100 | 0 | 8,181 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | -8 | -- | 8 | 0 | 0 | 2 |
| **Finished Petroleum Products** | **6,051** | **325,704** | **2,023** | **--** | **10,157** | **-1,561** | **--** | **--** | **25,458** | **320,038** | **55,238** |
| Finished Motor Gasoline | 6,051 | 152,646 | 111 | -- | 7,434 | -2,200 | -- | -- | 2,193 | 166,249 | 20,247 |
| Reformulated | -- | 110,547 | 0 | -- | 476 | -2,241 | -- | -- | 15 | 113,249 | 11,436 |
| Oxygenated | 9,024 | 13 | 0 | -- | 0 | -1 | -- | -- | 63 | 8,975 | 0 |
| Other | -2,973 | 42,086 | 111 | -- | 6,958 | 42 | -- | -- | 2,115 | 44,025 | 8,811 |
| Finished Aviation Gasoline | -- | 288 | 3 | -- | 0 | -98 | -- | -- | 0 | 389 | 504 |
| Jet Fuel | -- | 49,983 | 697 | -- | 1,895 | -775 | -- | -- | 1,442 | 51,908 | 8,467 |
| Naphtha-Type | -- | 53 | 0 | -- | 0 | 25 | -- | -- | 6 | 22 | 50 |
| Kerosene-Type | -- | 49,930 | 697 | -- | 1,895 | -800 | -- | -- | 1,437 | 51,885 | 8,417 |
| Kerosene | -- | 495 | 0 | -- | 0 | -33 | -- | -- | 28 | 500 | 63 |
| Distillate Fuel Oil | -- | 53,262 | 168 | -- | 1,174 | 81 | -- | -- | 4,819 | 49,704 | 12,533 |
| 0.05 percent sulfur and under | -- | 40,686 | 71 | -- | 763 | 445 | -- | -- | 1,451 | 39,624 | 9,039 |
| Greater than 0.05 percent sulfur | -- | 12,576 | 97 | -- | 411 | -364 | -- | -- | 3,368 | 10,080 | 3,494 |
| Residual Fuel Oil | -- | 23,698 | 780 | -- | 0 | 633 | -- | -- | 3,560 | 20,285 | 6,427 |
| Petrochemical Feedstocks[e] | -- | 1,134 | 75 | -- | 0 | -118 | -- | -- | 0 | 1,327 | 206 |
| Special Naphthas | -- | 569 | 3 | -- | 0 | -8 | -- | -- | 1,693 | -1,113 | 49 |
| Lubricants | -- | 2,032 | 0 | -- | -236 | -369 | -- | -- | 422 | 1,743 | 1,371 |
| Waxes | -- | 251 | 6 | -- | 0 | 29 | -- | -- | 35 | 193 | 182 |
| Petroleum Coke | -- | 19,510 | 172 | -- | 0 | 406 | -- | -- | 11,133 | 8,143 | 2,164 |
| Asphalt and Road Oil | -- | 5,068 | 0 | -- | 0 | 901 | -- | -- | 64 | 4,103 | 2,858 |
| Still Gas | -- | 16,210 | 0 | -- | 0 | 0 | -- | -- | 0 | 16,210 | 0 |
| Miscellaneous Products | -- | 558 | 8 | -- | -110 | -10 | -- | -- | 69 | 397 | 167 |
| **Total** | **283,012** | **334,112** | **67,281** | **-858** | **2,853** | **-115** | **0** | **316,044** | **39,449** | **331,022** | **155,738** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 24. PAD District V — Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E **2,129** | **--** | **555** | **-79** | **-64** | **-59** | **0** | **2,521** | **80** | **0** |
| **Natural Gas Liquids and LRGs** | **92** | **94** | **(s)** | **--** | **0** | **8** | **--** | **81** | **19** | **79** |
| Pentanes Plus | 47 | -- | 0 | -- | 0 | (s) | -- | 38 | 0 | 9 |
| Liquefied Petroleum Gases | 45 | 94 | (s) | -- | 0 | 7 | -- | 44 | 19 | 70 |
| Ethane/Ethylene | (s) | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | (s) |
| Propane/Propylene | 12 | 46 | (s) | -- | 0 | 3 | -- | 0 | 12 | 44 |
| Normal Butane/Butylene | 13 | 41 | 0 | -- | 0 | 7 | -- | 26 | 7 | 14 |
| Isobutane/Isobutylene | 20 | 6 | 0 | -- | 0 | -3 | -- | 18 | 0 | 11 |
| **Other Liquids** | **28** | **--** | **105** | **--** | **1** | **-65** | **--** | **194** | **(s)** | **5** |
| Other Hydrocarbons/Oxygenates | 53 | -- | 74 | -- | 0 | -13 | -- | 140 | 0 | 0 |
| Unfinished Oils | -- | -- | 22 | -- | -6 | -11 | -- | 22 | 0 | 5 |
| Motor Gasoline Blend. Comp. | -25 | -- | 9 | -- | 7 | -41 | -- | 32 | (s) | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | 0 |
| **Finished Petroleum Products** | **31** | **2,853** | **35** | **--** | **102** | **-29** | **--** | **--** | **228** | **2,823** |
| Finished Motor Gasoline | 31 | 1,354 | 1 | -- | 79 | 20 | -- | -- | 12 | 1,434 |
| Reformulated | -- | 980 | 0 | -- | 20 | 17 | -- | -- | (s) | 983 |
| Oxygenated | 69 | (s) | 0 | -- | 0 | 0 | -- | -- | 0 | 69 |
| Other | -38 | 374 | 1 | -- | 60 | 3 | -- | -- | 12 | 382 |
| Finished Aviation Gasoline | -- | 4 | (s) | -- | 0 | 3 | -- | -- | 0 | 2 |
| Jet Fuel | -- | 407 | 6 | -- | 15 | -36 | -- | -- | 17 | 448 |
| Naphtha-Type | -- | (s) | 0 | -- | 0 | (s) | -- | -- | 0 | (s) |
| Kerosene-Type | -- | 407 | 6 | -- | 15 | -36 | -- | -- | 17 | 447 |
| Kerosene | -- | 5 | 0 | -- | 0 | (s) | -- | -- | (s) | 5 |
| Distillate Fuel Oil | -- | 454 | 3 | -- | 12 | 7 | -- | -- | 43 | 418 |
| 0.05 percent sulfur and under | -- | 360 | 2 | -- | 6 | 16 | -- | -- | 4 | 350 |
| Greater than 0.05 percent sulfur | -- | 94 | 1 | -- | 5 | -8 | -- | -- | 39 | 68 |
| Residual Fuel Oil | -- | 235 | 23 | -- | 0 | -11 | -- | -- | 20 | 249 |
| Petrochemical Feedstocks[e] | -- | 8 | 1 | -- | 0 | -5 | -- | -- | 0 | 15 |
| Special Naphthas | -- | 2 | (s) | -- | 0 | (s) | -- | -- | 10 | -8 |
| Lubricants | -- | 24 | 0 | -- | -3 | (s) | -- | -- | 3 | 18 |
| Waxes | -- | 2 | (s) | -- | 0 | (s) | -- | -- | (s) | 2 |
| Petroleum Coke | -- | 161 | 2 | -- | 0 | -1 | -- | -- | 120 | 44 |
| Asphalt and Road Oil | -- | 44 | 0 | -- | 0 | -4 | -- | -- | 1 | 48 |
| Still Gas | -- | 146 | 0 | -- | 0 | 0 | -- | -- | 0 | 146 |
| Miscellaneous Products | -- | 6 | 0 | -- | 0 | -1 | -- | -- | 2 | 5 |
| **Total** | **2,281** | **2,947** | **696** | **-79** | **40** | **-145** | **0** | **2,796** | **326** | **2,908** |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 25. PAD District V — Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 1998

(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Field Production | Refinery Production | Imports by PAD District of Entry[a] | Unaccounted For Crude Oil[b] | Net Receipts | Stock Change[c] | Crude Losses | Refinery Inputs | Exports | Products Supplied[d] |
| **Crude Oil** | E 2,161 | -- | 469 | -7 | -78 | 22 | 0 | 2,424 | 98 | 0 |
| **Natural Gas Liquids and LRGs** | 108 | 70 | (s) | -- | 0 | -13 | -- | 103 | 18 | 70 |
| Pentanes Plus | 57 | -- | 0 | -- | 0 | (s) | -- | 48 | (s) | 9 |
| Liquefied Petroleum Gases | 51 | 70 | (s) | -- | 0 | -13 | -- | 55 | 18 | 61 |
| Ethane/Ethylene | (s) | 0 | 0 | -- | 0 | 0 | -- | 0 | 0 | (s) |
| Propane/Propylene | 13 | 48 | (s) | -- | 0 | -13 | -- | 0 | 8 | 66 |
| Normal Butane/Butylene | 20 | 20 | 0 | -- | 0 | 1 | -- | 39 | 9 | -11 |
| Isobutane/Isobutylene | 18 | 3 | 0 | -- | 0 | (s) | -- | 16 | 0 | 6 |
| **Other Liquids** | 39 | -- | 75 | -- | 18 | 3 | -- | 106 | 1 | 22 |
| Other Hydrocarbons/Oxygenates | 82 | -- | 50 | -- | 0 | 5 | -- | 127 | 0 | 0 |
| Unfinished Oils | -- | -- | 23 | -- | -1 | 10 | -- | -10 | 0 | 22 |
| Motor Gasoline Blend. Comp. | -43 | -- | 2 | -- | 19 | -12 | -- | -11 | 1 | 0 |
| Aviation Gasoline Blend. Comp. | -- | -- | 0 | -- | 0 | (s) | -- | (s) | 0 | 0 |
| **Finished Petroleum Products** | 50 | 2,714 | 17 | -- | 85 | -13 | -- | -- | 212 | 2,667 |
| Finished Motor Gasoline | 50 | 1,272 | 1 | -- | 62 | -18 | -- | -- | 18 | 1,385 |
| Reformulated | -- | 921 | 0 | -- | 4 | -19 | -- | -- | (s) | 944 |
| Oxygenated | 75 | (s) | 0 | -- | 0 | (s) | -- | -- | 1 | 75 |
| Other | -25 | 351 | 1 | -- | 58 | (s) | -- | -- | 18 | 367 |
| Finished Aviation Gasoline | -- | 2 | (s) | -- | 0 | -1 | -- | -- | 0 | 3 |
| Jet Fuel | -- | 417 | 6 | -- | 16 | -6 | -- | -- | 12 | 433 |
| Naphtha-Type | -- | (s) | 0 | -- | 0 | (s) | -- | -- | (s) | (s) |
| Kerosene-Type | -- | 416 | 6 | -- | 16 | -7 | -- | -- | 12 | 432 |
| Kerosene | -- | 4 | 0 | -- | 0 | (s) | -- | -- | (s) | 4 |
| Distillate Fuel Oil | -- | 444 | 1 | -- | 10 | 1 | -- | -- | 40 | 414 |
| 0.05 percent sulfur and under | -- | 339 | 1 | -- | 6 | 4 | -- | -- | 12 | 330 |
| Greater than 0.05 percent sulfur | -- | 105 | 1 | -- | 3 | -3 | -- | -- | 28 | 84 |
| Residual Fuel Oil | -- | 197 | 7 | -- | 0 | 5 | -- | -- | 30 | 169 |
| Petrochemical Feedstocks[e] | -- | 9 | 1 | -- | 0 | -1 | -- | -- | 0 | 11 |
| Special Naphthas | -- | 5 | (s) | -- | 0 | (s) | -- | -- | 14 | -9 |
| Lubricants | -- | 17 | 0 | -- | -2 | -3 | -- | -- | 4 | 15 |
| Waxes | -- | 2 | (s) | -- | 0 | (s) | -- | -- | (s) | 2 |
| Petroleum Coke | -- | 163 | 1 | -- | 0 | 3 | -- | -- | 93 | 68 |
| Asphalt and Road Oil | -- | 42 | 0 | -- | 0 | 8 | -- | -- | 1 | 34 |
| Still Gas | -- | 135 | 0 | -- | 0 | 0 | -- | -- | 0 | 135 |
| Miscellaneous Products | -- | 5 | (s) | -- | -1 | (s) | -- | -- | 1 | 3 |
| **Total** | 2,358 | 2,784 | 561 | -7 | 24 | -1 | 0 | 2,634 | 329 | 2,759 |

[a] Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.
[b] Unaccounted for crude oil represents the difference between the supply and disposition of crude oil.
[c] A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.
[d] Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, plus net receipts, minus stock change, minus crude losses, minus refinery inputs, minus exports.
[e] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
(s) = Less than 500 barrels per day.
E = Estimated.
LRG = Liquefied Refinery Gas.
— = Not Applicable.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movement Report," and EIA-819M, "Monthly Oxygenate Telephone Report". Domestic crude oil production estimates based on historical statistics from State conservation agencies and the Minerals Management Service of the U.S. Department of the Interior. Export data from the Bureau of the Census and Form EIA-810, "Monthly Refinery Report."

## Table 26. Production of Crude Oil by PAD District and State
(Thousand Barrels)

| PAD District and State | February 1998 | | January-February 1998 | |
|---|---|---|---|---|
| | Total | Daily Average | Total | Daily Average |
| **PAD District I** | E **732** | E **26** | E **1,583** | E **27** |
| Florida | 507 | 18 | 1,040 | 18 |
| New York | E 20 | E 1 | E 39 | E 1 |
| Pennsylvania | E 119 | E 4 | E 264 | E 4 |
| Virginia | 1 | (s) | E 1 | E (s) |
| West Virginia | E 102 | E 4 | E 238 | E 4 |
| Adjustment[a] | -17 | -1 | (s) | (s) |
| **PAD District II** | E **15,621** | E **558** | E **32,895** | E **558** |
| Illinois | 1,130 | 40 | 2,425 | 41 |
| Indiana | 187 | 7 | 384 | 7 |
| Kansas | E 3,043 | E 109 | E 6,464 | E 110 |
| Kentucky | 124 | 4 | 543 | 9 |
| Michigan | E 730 | E 26 | E 1,545 | E 26 |
| Missouri | 8 | (s) | 17 | (s) |
| Nebraska | 269 | 10 | 555 | 9 |
| North Dakota | 2,726 | 97 | 5,865 | 99 |
| Ohio | E 629 | E 22 | E 1,296 | E 22 |
| Oklahoma | 6,328 | 226 | 13,172 | 223 |
| South Dakota | 100 | 4 | 213 | 4 |
| Tennessee | 23 | 1 | 57 | 1 |
| Adjustment[a] | 323 | 12 | 358 | 6 |
| **PAD District III** | E **95,817** | E **3,422** | E **198,879** | E **3,371** |
| Alabama | E 1,038 | E 37 | E 2,219 | E 38 |
| Arkansas | E 569 | E 20 | E 1,219 | E 21 |
| Louisiana[b] | E 10,484 | E 374 | E 22,012 | E 373 |
| Mississippi | 1,728 | 62 | 3,601 | 61 |
| New Mexico | 352 | 13 | 4,043 | 69 |
| Texas[b] | 40,991 | 1,464 | 85,166 | 1,443 |
| Federal Offshore PAD District III | E 35,232 | E 1,258 | E 70,882 | E 1,201 |
| Adjustment[a] | 5,424 | 194 | 9,737 | 165 |
| **PAD District IV** | E **9,784** | E **349** | E **20,716** | E **351** |
| Colorado | E 1,796 | E 64 | E 3,673 | E 62 |
| Montana | E 1,033 | E 37 | E 2,353 | E 40 |
| Utah | E 1,659 | E 59 | E 3,300 | E 56 |
| Wyoming | 4,725 | 169 | 10,486 | 178 |
| Adjustment[a] | 571 | 20 | 904 | 15 |
| **PAD District V** | E **61,118** | E **2,183** | E **128,581** | E **2,179** |
| Alaska[b] | E 34,661 | E 1,238 | E 72,757 | E 1,233 |
| South Alaska | 885 | 32 | 1,903 | 32 |
| North Slope | 33,776 | 1,206 | 70,854 | 1,201 |
| Adjustment for Alaska[a] | 0 | 0 | 0 | 0 |
| Arizona | 5 | (s) | 11 | (s) |
| California[b] | 21,380 | 764 | 45,992 | 780 |
| Nevada | 65 | 2 | 136 | 2 |
| Federal Offshore PAD District V | 3,799 | 136 | 8,147 | 138 |
| Adjustment excluding Alaska[a] | 1,208 | 43 | 1,538 | 26 |
| **U.S. Total[b]** | E **183,072** | E **6,538** | E **382,654** | E **6,486** |

[a] These adjustments are used to reconcile the national and PAD District level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PAD District level figures published in a previous issue. Revised data at the State, PAD District, and national levels will be published without adjustments in the *Petroleum Supply Annual.*

[b] Includes the following current month offshore production (thousand barrels): Alaska: State - 6,390; California: State -1,632; Louisiana: State - E1,733; Texas: State - 63; U.S. Total, including Federal offshore - E48,850.

(s) = Less than 500 barrels or less than 500 barrels per day.

E = Estimated.

NA = Not Available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: State government agencies, U.S. Department of the Interior, Minerals Management Service and the Conservation Committee of California Oil Producers.

## Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, April 1998
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | |
|---|---|---|---|---|---|---|---|
| | East Coast | Appalachian No. 1 | Total | Ind., Ill., Ky. | Minn., Wis., N. Dak., S. Dak. | Okla., Kans., Mo. | Total |
| | **Net Production** | | | | | | |
| **Natural Gas Liquids** | **133** | **647** | **780** | **470** | **342** | **7,956** | **8,768** |
| Pentanes Plus | 12 | 76 | 88 | 81 | 88 | 981 | 1,150 |
| Liquefied Petroleum Gases | 121 | 571 | 692 | 389 | 254 | 6,975 | 7,618 |
| Ethane | 49 | 183 | 232 | 106 | 0 | 2,868 | 2,974 |
| Propane | 46 | 269 | 315 | 168 | 169 | 2,726 | 3,063 |
| Normal Butane | 26 | 84 | 110 | 66 | 85 | 981 | 1,132 |
| Isobutane | 0 | 35 | 35 | 49 | 0 | 400 | 449 |
| | **Stocks** | | | | | | |
| **Natural Gas Liquids** | **13** | **30** | **43** | **84** | **50** | **1,279** | **1,413** |
| Pentanes Plus | 0 | 4 | 4 | 10 | 7 | 66 | 83 |
| Liquefied Petroleum Gases | 13 | 26 | 39 | 74 | 43 | 1,213 | 1,330 |
| Ethane | 0 | 0 | 0 | 17 | 0 | 171 | 188 |
| Propane | 10 | 19 | 29 | 32 | 31 | 691 | 754 |
| Normal Butane | 3 | 4 | 7 | 11 | 12 | 294 | 317 |
| Isobutane | 0 | 3 | 3 | 14 | 0 | 57 | 71 |

| Commodity | PAD District III | | | | | | PAD Dist. IV | PAD Dist. V | U.S. Total |
|---|---|---|---|---|---|---|---|---|---|
| | Texas Inland | Texas Gulf Coast | La. Gulf Coast | N. La., Ark. | New Mexico | Total | Rocky Mt. | West Coast | |
| | **Net Production** | | | | | | | | |
| **Natural Gas Liquids** | **18,611** | **4,070** | **9,212** | **553** | **6,300** | **38,746** | **4,714** | **2,767** | **55,775** |
| Pentanes Plus | 3,046 | 583 | 1,550 | 180 | 664 | 6,023 | 760 | 1,412 | 9,433 |
| Liquefied Petroleum Gases | 15,565 | 3,487 | 7,662 | 373 | 5,636 | 32,723 | 3,954 | 1,355 | 46,342 |
| Ethane | 7,079 | 1,875 | 3,268 | 60 | 3,026 | 15,308 | 1,587 | 2 | 20,103 |
| Propane | 5,326 | 1,034 | 2,644 | 160 | 1,709 | 10,873 | 1,486 | 350 | 16,087 |
| Normal Butane | 2,161 | -1,468 | 917 | 98 | 592 | 2,300 | 582 | 395 | 4,519 |
| Isobutane | 999 | 2,046 | 833 | 55 | 309 | 4,242 | 299 | 608 | 5,633 |
| | **Stocks** | | | | | | | | |
| **Natural Gas Liquids** | **165** | **343** | **999** | **53** | **120** | **1,680** | **317** | **89** | **3,542** |
| Pentanes Plus | 76 | 82 | 329 | 13 | 50 | 550 | 125 | 22 | 784 |
| Liquefied Petroleum Gases | 89 | 261 | 670 | 40 | 70 | 1,130 | 192 | 67 | 2,758 |
| Ethane | 8 | 102 | 18 | 15 | 0 | 143 | 5 | 0 | 336 |
| Propane | 53 | 41 | 88 | 15 | 37 | 234 | 98 | 33 | 1,148 |
| Normal Butane | 20 | 57 | 278 | 8 | 21 | 384 | 64 | 21 | 793 |
| Isobutane | 8 | 61 | 286 | 2 | 12 | 369 | 25 | 13 | 481 |

Note: Refer to Appendix A for Refining District descriptions.
Source: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

## Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 1998

(Thousand Barrels, Except Where Noted)

| Commodity | PAD District I | | | PAD District II | | | |
|---|---|---|---|---|---|---|---|
| | East Coast | Appalachian No. 1 | Total | Ind., Ill., Ky. | Minn., Wis., N. Dak., S. Dak. | Okla., Kans., Mo. | Total |
| **Crude Oil** | **46,334** | **2,492** | **48,826** | **63,687** | **12,879** | **20,391** | **96,957** |
| **Natural Gas Liquids** | **101** | **0** | **101** | **1,135** | **166** | **1,064** | **2,365** |
| Pentanes Plus | 0 | 0 | 0 | 470 | 99 | 741 | 1,310 |
| Liquefied Petroleum Gases | 101 | 0 | 101 | 665 | 67 | 323 | 1,055 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Normal Butane | 6 | 0 | 6 | 133 | 0 | 120 | 253 |
| Isobutane | 95 | 0 | 95 | 532 | 67 | 203 | 802 |
| **Other Liquids** | **9,708** | **44** | **9,752** | **2,509** | **68** | **-130** | **2,447** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 2,380 | 1 | 2,381 | 836 | 235 | 84 | 1,155 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 0 | 49 | 0 | 31 | 80 |
| Oxygenates | W | W | 2,381 | 787 | 235 | 53 | 1,075 |
| Fuel Ethanol | W | W | W | W | W | W | 933 |
| Methanol | W | W | W | W | W | W | W |
| MTBE | W | W | 2,248 | W | W | W | W |
| Other Oxygenates[a] | W | W | W | W | W | W | W |
| Unfinished Oils (net) | 2,465 | 40 | 2,505 | 1,638 | -12 | -543 | 1,083 |
| Motor Gasoline Blend. Comp. (net) | 4,978 | 3 | 4,981 | 22 | -155 | 329 | 196 |
| Aviation Gasoline Blend. Comp. (net) | -115 | 0 | -115 | 13 | 0 | 0 | 13 |
| **Total Input to Refineries** | **56,143** | **2,536** | **58,679** | **67,331** | **13,113** | **21,325** | **101,769** |
| **Atmospheric Crude Oil Distillation** | | | | | | | |
| Gross Input (daily average) | 1,510 | 83 | 1,593 | 2,157 | 426 | 685 | 3,268 |
| Operable Capacity (daily average) | 1,547 | 98 | 1,645 | 2,389 | 414 | 701 | 3,504 |
| Operable Utilization Rate (percent)[b,c] | 97.6 | 85.1 | 96.8 | 90.3 | 103.0 | 97.6 | 93.3 |
| **Downstream Processing** | | | | | | | |
| **Fresh Feed Input (daily average)** | | | | | | | |
| Catalytic Cracking | 613 | 17 | 630 | 760 | 133 | 196 | 1,090 |
| Catalytic Hydrocracking | 60 | 0 | 60 | 134 | 0 | 5 | 139 |
| Delayed and Fluid Coking | 88 | 0 | 88 | 172 | 65 | 76 | 313 |
| **Crude Oil Qualities** | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.93 | 1.09 | 0.94 | 1.16 | 2.07 | 0.84 | 1.21 |
| API Gravity, Weighted Average (degrees) | 32.70 | 35.75 | 32.85 | 33.20 | 29.25 | 35.31 | 33.12 |
| **Operable Capacity (daily average)** | **1,547** | **98** | **1,645** | **2,389** | **414** | **701** | **3,504** |
| Operating | 1,467 | 98 | 1,565 | 2,389 | 414 | 701 | 3,504 |
| Idle | 80 | 0 | 80 | 0 | 0 | 0 | 0 |
| **Alaskan Crude Oil Receipts** | **0** | **0** | **0** | **67** | **0** | **0** | **67** |

See footnotes at end of table.

## Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 1998 (Continued)

(Thousand Barrels, Except Where Noted)

| Commodity | PAD District III | | | | | | PAD Dist. IV | PAD Dist. V | U.S. Total |
|---|---|---|---|---|---|---|---|---|---|
| | Texas Inland | Texas Gulf Coast | La. Gulf Coast | N. La., Ark. | New Mexico | Total | Rocky Mt. | West Coast | |
| **Crude Oil** | **17,443** | **107,960** | **80,441** | **5,690** | **2,597** | **214,131** | **13,304** | **75,622** | **448,840** |
| **Natural Gas Liquids** | **1,103** | **2,435** | **1,709** | **161** | **147** | **5,555** | **358** | **2,442** | **10,821** |
| Pentanes Plus | 574 | 1,104 | 315 | 126 | 43 | 2,162 | 131 | 1,133 | 4,736 |
| Liquefied Petroleum Gases | 529 | 1,331 | 1,394 | 35 | 104 | 3,393 | 227 | 1,309 | 6,085 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Normal Butane | 431 | 234 | 533 | 0 | 0 | 1,198 | 127 | 781 | 2,365 |
| Isobutane | 98 | 1,097 | 861 | 35 | 104 | 2,195 | 100 | 528 | 3,720 |
| **Other Liquids** | **361** | **6,980** | **5,907** | **-35** | **152** | **13,365** | **-276** | **5,811** | **31,099** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 99 | 2,361 | 944 | 1 | 24 | 3,429 | 39 | 4,187 | 11,191 |
| Other Hydrocarbons/Hydrogen | 89 | 378 | 472 | 0 | 0 | 939 | 4 | 813 | 1,836 |
| Oxygenates | 10 | 1,983 | 472 | W | W | 2,490 | 35 | 3,374 | 9,355 |
| Fuel Ethanol | W | W | W | W | W | W | W | W | 996 |
| Methanol | W | W | W | W | W | W | W | W | 50 |
| MTBE | W | 1,899 | W | W | W | 2,343 | W | 3,261 | 7,996 |
| Other Oxygenates[a] | W | W | W | W | W | W | W | W | 313 |
| Unfinished Oils (net) | 88 | 6,412 | 4,456 | -26 | 78 | 11,008 | -776 | 656 | 14,476 |
| Motor Gasoline Blend. Comp. (net) | 176 | -1,793 | 515 | -10 | 50 | -1,062 | 461 | 963 | 5,539 |
| Aviation Gasoline Blend. Comp. (net) | -2 | 0 | -8 | 0 | 0 | -10 | 0 | 5 | -107 |
| **Total Input to Refineries** | **18,907** | **117,375** | **88,057** | **5,816** | **2,896** | **233,051** | **13,386** | **83,875** | **490,760** |
| **Atmospheric Crude Oil Distillation** | | | | | | | | | |
| Gross Input (daily average) | 583 | 3,575 | 2,720 | 181 | 87 | 7,146 | 453 | 2,711 | 15,170 |
| Operable Capacity (daily average) | 626 | 3,462 | 2,774 | 201 | 95 | 7,158 | 521 | 2,904 | 15,732 |
| Operable Utilization Rate (percent)[b,c] | 93.1 | 103.3 | 98.1 | 90.3 | 91.5 | 99.8 | 86.8 | 93.3 | 96.4 |
| **Downstream Processing** | | | | | | | | | |
| **Fresh Feed Input (daily average)** | | | | | | | | | |
| Catalytic Cracking | 190 | 1,391 | 965 | 28 | 27 | 2,602 | 126 | 715 | 5,163 |
| Catalytic Hydrocracking | 15 | 267 | 221 | 0 | 0 | 503 | 1 | 451 | 1,153 |
| Delayed and Fluid Coking | 6 | 453 | 417 | 9 | 0 | 884 | 35 | 485 | 1,806 |
| **Crude Oil Qualities** | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.75 | 1.67 | 1.54 | 1.66 | 0.54 | 1.53 | 1.38 | 1.21 | 1.34 |
| API Gravity, Weighted Average (degrees) | 38.45 | 30.30 | 30.24 | 30.68 | 39.30 | 31.05 | 33.25 | 24.99 | 30.70 |
| **Operable Capacity (daily average)** | **626** | **3,462** | **2,774** | **201** | **95** | **7,158** | **521** | **2,904** | **15,732** |
| Operating | 626 | 3,429 | 2,764 | 201 | 95 | 7,115 | 521 | 2,882 | 15,587 |
| Idle | 0 | 33 | 10 | 0 | 0 | 43 | 0 | 22 | 144 |
| **Alaskan Crude Oil Receipts** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **34,990** | **35,057** |

[a] Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).
[b] Represents gross input divided by operable calendar day capacity.
[c] See Table H2 in the Highlights Section for additional information concerning utilization rates.
W = Withheld to avoid disclosure of individual company data.
Note: • Totals may not equal sum of components due to independent rounding. • Refer to Appendix A for Refining District descriptions.
Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

## Table 29. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 1998
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | |
|---|---|---|---|---|---|---|---|
| | East Coast | Appalachian No. 1 | Total | Ind., Ill., Ky. | Minn., Wis., N. Dak., S. Dak. | Okla., Kans., Mo. | Total |
| Liquefied Refinery Gases | 2,082 | 22 | 2,104 | 3,272 | 491 | 719 | 4,482 |
| Ethane/Ethylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ethane | W | W | W | W | W | W | W |
| Ethylene | W | W | W | W | W | W | W |
| Propane/Propylene | 1,653 | 29 | 1,682 | 2,428 | 303 | 615 | 3,346 |
| Propane | W | W | W | 1,927 | W | W | 2,683 |
| Propylene | W | W | W | 501 | W | W | 663 |
| Normal Butane/Butylene | 407 | -10 | 397 | 548 | 170 | 141 | 859 |
| Normal Butane | W | W | W | W | W | W | W |
| Butylene | W | W | W | W | W | W | W |
| Isobutane/Isobutylene | 22 | 3 | 25 | 296 | 18 | -37 | 277 |
| Isobutane | W | W | W | W | W | W | W |
| Isobutylene | W | W | W | W | W | W | W |
| Finished Motor Gasoline | 28,741 | 1,022 | 29,763 | 34,692 | 6,675 | 11,020 | 52,387 |
| Reformulated | 19,967 | 0 | 19,967 | 6,277 | 691 | 0 | 6,968 |
| Oxygenated | 0 | 0 | 0 | 628 | 1,199 | 15 | 1,842 |
| Other | 8,774 | 1,022 | 9,796 | 27,787 | 4,785 | 11,005 | 43,577 |
| Finished Aviation Gasoline | 22 | 0 | 22 | 56 | 36 | 135 | 227 |
| Jet Fuel | 3,146 | 27 | 3,173 | 4,266 | 1,041 | 1,047 | 6,354 |
| Naphtha-Type | 0 | 0 | 0 | 4 | 0 | 0 | 4 |
| Kerosene-Type | 3,146 | 27 | 3,173 | 4,262 | 1,041 | 1,047 | 6,350 |
| Commercial | 3,146 | 19 | 3,165 | 3,994 | 971 | 932 | 5,897 |
| Military | 0 | 8 | 8 | 268 | 70 | 115 | 453 |
| Kerosene | 362 | 57 | 419 | 119 | 33 | 29 | 181 |
| Distillate Fuel Oil | 13,403 | 598 | 14,001 | 15,253 | 3,255 | 6,386 | 24,894 |
| 0.05 percent sulfur and under | 4,036 | 548 | 4,584 | 10,999 | 2,600 | 4,363 | 17,962 |
| Greater than 0.05 percent sulfur | 9,367 | 50 | 9,417 | 4,254 | 655 | 2,023 | 6,932 |
| Residual Fuel Oil | 3,647 | 65 | 3,712 | 2,164 | 456 | 58 | 2,678 |
| Less than 0.31 percent sulfur | 1,129 | 23 | 1,152 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00 percent sulfur | 2,132 | 42 | 2,174 | 457 | 0 | -24 | 433 |
| Greater than 1.00 percent sulfur | 386 | 0 | 386 | 1,707 | 456 | 82 | 2,245 |
| Naphtha for Petrochemical Feedstock Use | 378 | 0 | 378 | 540 | 0 | 24 | 564 |
| Other Oils for Petrochemical Feedstock Use | 0 | 0 | 0 | 556 | 0 | 62 | 618 |
| Special Naphthas | 34 | 18 | 52 | 707 | 0 | 71 | 778 |
| Lubricants | 249 | 203 | 452 | 493 | 0 | 268 | 761 |
| Naphthenic | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Paraffinic | 249 | 203 | 452 | 493 | 0 | 268 | 761 |
| Waxes | 0 | 48 | 48 | 58 | 0 | 62 | 120 |
| Petroleum Coke | 1,557 | 27 | 1,584 | 2,429 | 811 | 819 | 4,059 |
| Marketable | 661 | 0 | 661 | 1,469 | 635 | 624 | 2,728 |
| Catalyst | 896 | 27 | 923 | 960 | 176 | 195 | 1,331 |
| Asphalt and Road Oil | 2,451 | 379 | 2,830 | 2,890 | 825 | 741 | 4,456 |
| Still Gas | 1,804 | 70 | 1,874 | 2,601 | 439 | 724 | 3,764 |
| Miscellaneous Products | 29 | 34 | 63 | 138 | 74 | 43 | 255 |
| Fuel Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nonfuel Use | 29 | 34 | 63 | 138 | 74 | 43 | 255 |
| **Total** | **57,905** | **2,570** | **60,475** | **70,234** | **14,136** | **22,208** | **106,578** |
| Processing Gain(-) or Loss(+)[a] | -1,762 | -34 | -1,796 | -2,903 | -1,023 | -883 | -4,809 |

See footnotes at end of table.

## Table 29. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 1998 (Continued)

(Thousand Barrels)

| Commodity | PAD District III | | | | | | PAD Dist. IV | PAD Dist. V | U.S. Total |
|---|---|---|---|---|---|---|---|---|---|
| | Texas Inland | Texas Gulf Coast | La. Gulf Coast | N. La., Ark. | New Mexico | Total | Rocky Mt. | West Coast | |
| Liquefied Refinery Gases | 1,176 | 9,400 | 5,171 | 80 | 77 | 15,904 | 252 | 2,815 | 25,557 |
| Ethane/Ethylene | 33 | 1,003 | 159 | 0 | 0 | 1,195 | 0 | 0 | 1,195 |
| Ethane | W | W | W | W | W | W | W | W | 1,018 |
| Ethylene | W | W | W | W | W | W | W | W | 177 |
| Propane/Propylene | 585 | 5,572 | 3,692 | 91 | 56 | 9,996 | 234 | 1,392 | 16,650 |
| Propane | W | 2,507 | 2,519 | W | W | 5,504 | W | W | 11,125 |
| Propylene | W | 3,065 | 1,173 | W | W | 4,492 | W | W | 5,525 |
| Normal Butane/Butylene | 536 | 2,361 | 1,140 | -2 | 21 | 4,056 | 47 | 1,240 | 6,599 |
| Normal Butane | W | W | W | W | W | W | W | W | 6,403 |
| Butylene | W | W | W | W | W | W | W | W | 196 |
| Isobutane/Isobutylene | 22 | 464 | 180 | -9 | 0 | 657 | -29 | 183 | 1,113 |
| Isobutane | W | W | W | W | W | W | W | W | 951 |
| Isobutylene | W | W | W | W | W | W | W | W | 162 |
| Finished Motor Gasoline | 9,987 | 52,606 | 40,807 | 1,633 | 1,715 | 106,748 | 6,686 | 40,628 | 236,212 |
| Reformulated | 828 | 14,900 | 3,714 | 0 | 0 | 19,442 | 0 | 29,395 | 75,772 |
| Oxygenated | 0 | 0 | 25 | 0 | 47 | 72 | 211 | 3 | 2,128 |
| Other | 9,159 | 37,706 | 37,068 | 1,633 | 1,668 | 87,234 | 6,475 | 11,230 | 158,312 |
| Finished Aviation Gasoline | 129 | 211 | 42 | 0 | 0 | 382 | 10 | 129 | 770 |
| Jet Fuel | 1,486 | 10,089 | 10,756 | 269 | 238 | 22,838 | 680 | 12,215 | 45,260 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 13 |
| Kerosene-Type | 1,486 | 10,089 | 10,756 | 269 | 238 | 22,838 | 680 | 12,206 | 45,247 |
| Commercial | 1,054 | 8,741 | 10,311 | 183 | 0 | 20,289 | 588 | 11,180 | 41,119 |
| Military | 432 | 1,348 | 445 | 86 | 238 | 2,549 | 92 | 1,026 | 4,128 |
| Kerosene | -3 | 380 | 143 | 57 | -15 | 562 | 45 | 137 | 1,344 |
| Distillate Fuel Oil | 4,338 | 23,033 | 17,718 | 1,307 | 696 | 47,092 | 3,789 | 13,625 | 103,401 |
| 0.05 percent sulfur and under | 3,351 | 16,352 | 8,711 | 627 | 689 | 29,730 | 3,083 | 10,814 | 66,173 |
| Greater than 0.05 percent sulfur | 987 | 6,681 | 9,007 | 680 | 7 | 17,362 | 706 | 2,811 | 37,228 |
| Residual Fuel Oil | 409 | 6,403 | 4,670 | 231 | 12 | 11,725 | 393 | 7,062 | 25,570 |
| Less than 0.31 percent sulfur | 160 | 4 | 273 | 0 | 0 | 437 | 32 | 118 | 1,739 |
| 0.31 to 1.00 percent sulfur | 134 | 1,774 | 684 | 205 | 12 | 2,809 | 178 | 1,470 | 7,064 |
| Greater than 1.00 percent sulfur | 115 | 4,625 | 3,713 | 26 | 0 | 8,479 | 183 | 5,474 | 16,767 |
| Naphtha for Petrochemical Feedstock Use | 189 | 4,564 | 1,033 | 0 | -22 | 5,764 | 0 | 111 | 6,817 |
| Other Oils for Petrochemical Feedstock Use | 167 | 3,593 | 2,458 | 0 | 0 | 6,218 | 6 | 141 | 6,983 |
| Special Naphthas | 80 | 586 | 111 | 162 | 0 | 939 | 0 | 65 | 1,834 |
| Lubricants | W | 1,746 | W | W | W | 3,636 | 0 | 712 | 5,561 |
| Naphthenic | W | 382 | W | W | W | 950 | 0 | 283 | 1,233 |
| Paraffinic | W | 1,364 | W | W | W | 2,686 | 0 | 429 | 4,328 |
| Waxes | 0 | 230 | 119 | 98 | 0 | 447 | 0 | 52 | 667 |
| Petroleum Coke | 308 | 6,026 | 4,498 | 84 | 16 | 10,932 | 420 | 4,839 | 21,834 |
| Marketable | 30 | 4,039 | 3,345 | 65 | 0 | 7,479 | 270 | 3,709 | 14,847 |
| Catalyst | 278 | 1,987 | 1,153 | 19 | 16 | 3,453 | 150 | 1,130 | 6,987 |
| Asphalt and Road Oil | 469 | 1,118 | 842 | 1,067 | 126 | 3,622 | 930 | 1,326 | 13,164 |
| Still Gas | 739 | 4,642 | 3,259 | 184 | 85 | 8,909 | 479 | 4,375 | 19,401 |
| Miscellaneous Products | 70 | 464 | 550 | 0 | 0 | 1,084 | 49 | 165 | 1,616 |
| Fuel Use | 14 | 0 | 244 | 0 | 0 | 258 | 0 | -33 | 225 |
| Nonfuel Use | 56 | 464 | 306 | 0 | 0 | 826 | 49 | 198 | 1,391 |
| **Total** | **19,587** | **125,091** | **93,348** | **5,848** | **2,928** | **246,802** | **13,739** | **88,397** | **515,991** |
| Processing Gain(-) or Loss(+)[a] | -680 | -7,716 | -5,291 | -32 | -32 | -13,751 | -353 | -4,522 | -25,231 |

[a] Represents the arithmetic difference between input and production.
W = Withheld to avoid disclosure of individual company data.
Note: Refer to Appendix A for Refining District descriptions.
Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

## Table 30. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 1998

(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | |
|---|---|---|---|---|---|---|---|
| | East Coast | Appalachian No. 1 | Total | Ind., Ill., Ky. | Minn., Wis., N. Dak., S. Dak. | Okla., Kans., Mo. | Total |
| **Crude Oil** | **15,715** | **391** | **16,106** | **9,004** | **1,992** | **2,476** | **13,472** |
| **Petroleum Products** | **53,709** | **2,857** | **56,566** | **40,274** | **11,702** | **15,890** | **67,866** |
| Pentanes Plus | 0 | 0 | 0 | 2 | 148 | 140 | 290 |
| Liquefied Petroleum Gases | 1,653 | 18 | 1,671 | 1,752 | 384 | 655 | 2,791 |
| Ethane/Ethylene | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| Propane/Propylene | 337 | 5 | 342 | 1,084 | 21 | 207 | 1,312 |
| Normal Butane/Butylene | 943 | 7 | 950 | 366 | 258 | 293 | 917 |
| Isobutane/Isobutylene | 373 | 6 | 379 | 299 | 105 | 155 | 559 |
| Other Hydrocarbons/Hydrogen/Oxygenates | 1,806 | 7 | 1,813 | 369 | 106 | 67 | 542 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 0 | 10 | 0 | 0 | 10 |
| Oxygenates | W | W | 1,813 | 359 | 106 | 67 | 532 |
| Fuel Ethanol | W | W | W | W | W | W | 337 |
| Methanol | W | W | W | W | W | W | W |
| MTBE | W | W | 1,411 | W | W | W | W |
| Other Oxygenates [a] | W | W | W | W | W | W | W |
| Unfinished Oils | 9,256 | 774 | 10,030 | 10,904 | 619 | 4,736 | 16,259 |
| Naphthas and Lighter | 1,566 | 433 | 1,999 | 2,691 | 251 | 1,309 | 4,251 |
| Kerosene and Light Gas Oils | 1,792 | 4 | 1,796 | 2,214 | 66 | 485 | 2,765 |
| Heavy Gas Oils | 4,452 | 310 | 4,762 | 3,426 | 296 | 1,862 | 5,584 |
| Residuum | 1,446 | 27 | 1,473 | 2,573 | 6 | 1,080 | 3,659 |
| Motor Gasoline Blending Components | 9,508 | 22 | 9,530 | 5,851 | 1,291 | 967 | 8,109 |
| Aviation Gasoline Blending Components | 68 | 0 | 68 | 16 | 0 | 0 | 16 |
| Finished Motor Gasoline | 11,357 | 547 | 11,904 | 5,454 | 1,123 | 3,934 | 10,511 |
| Reformulated | 8,480 | 0 | 8,480 | 93 | 0 | 0 | 93 |
| Oxygenated | 0 | 0 | 0 | 67 | 194 | 0 | 261 |
| Other | 2,877 | 547 | 3,424 | 5,294 | 929 | 3,934 | 10,157 |
| Finished Aviation Gasoline | 40 | 0 | 40 | 19 | 36 | 162 | 217 |
| Jet Fuel | 1,382 | 24 | 1,406 | 1,814 | 184 | 562 | 2,560 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 1,382 | 24 | 1,406 | 1,814 | 184 | 562 | 2,560 |
| Kerosene | 396 | 63 | 459 | 196 | 125 | 68 | 389 |
| Distillate Fuel Oil | 11,462 | 208 | 11,670 | 5,430 | 1,565 | 2,232 | 9,227 |
| 0.05 percent sulfur and under | 1,365 | 187 | 1,552 | 3,269 | 835 | 1,041 | 5,145 |
| Greater then 0.05 percent sulfur | 10,097 | 21 | 10,118 | 2,161 | 730 | 1,191 | 4,082 |
| Residual Fuel Oil | 3,562 | 31 | 3,593 | 1,557 | 348 | 61 | 1,966 |
| Less than 0.31 percent sulfur | 926 | 16 | 942 | 46 | 0 | 0 | 46 |
| 0.31 to 1.00 percent sulfur | 1,249 | 15 | 1,264 | 169 | 0 | 3 | 172 |
| Greater than 1.00 percent sulfur | 1,387 | 0 | 1,387 | 1,342 | 348 | 58 | 1,748 |
| Naphtha for Petrochemical Feedstock Use | 426 | 0 | 426 | 142 | 0 | 3 | 145 |
| Other Oils for Petrochemical Feedstock Use | 0 | 0 | 0 | 200 | 0 | 0 | 200 |
| Special Naphthas | 54 | 19 | 73 | 336 | 0 | 24 | 360 |
| Lubricants | 423 | 289 | 712 | 718 | 0 | 0 | 718 |
| Waxes | 0 | 35 | 35 | 122 | 0 | 52 | 174 |
| Petroleum Coke (Marketable) | 445 | 0 | 445 | 1,007 | 3,178 | 458 | 4,643 |
| Asphalt and Road Oil | 1,867 | 778 | 2,645 | 4,296 | 2,583 | 1,753 | 8,632 |
| Miscellaneous Products | 4 | 42 | 46 | 89 | 12 | 16 | 117 |
| **Total Stocks, All Oils** | **69,424** | **3,248** | **72,672** | **49,278** | **13,694** | **18,366** | **81,338** |

See footnotes at end of table.

## Table 30. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 1998 (Continued)

(Thousand Barrels)

| Commodity | PAD District III | | | | | | PAD Dist. IV | PAD Dist. V | U.S. Total |
|---|---|---|---|---|---|---|---|---|---|
| | Texas Inland | Texas Gulf Coast | La. Gulf Coast | N. La., Ark. | New Mexico | Total | Rocky Mt. | West Coast | |
| **Crude Oil** | **1,075** | **31,198** | **18,501** | **1,068** | **421** | **52,263** | **2,131** | **23,215** | **107,187** |
| **Petroleum Products** | **11,970** | **74,419** | **51,794** | **4,863** | **1,629** | **144,675** | **12,653** | **65,299** | **347,059** |
| Pentanes Plus | 199 | 52 | 13 | 6 | 13 | 283 | 8 | 0 | 581 |
| Liquefied Petroleum Gases | 2,553 | 4,074 | 3,402 | 75 | 42 | 10,146 | 356 | 1,300 | 16,264 |
| Ethane/Ethylene | 164 | 586 | 0 | 0 | 0 | 750 | 0 | 0 | 753 |
| Propane/Propylene | 1,006 | 2,018 | 542 | 7 | 3 | 3,576 | 65 | 99 | 5,394 |
| Normal Butane/Butylene | 1,104 | 790 | 2,096 | 48 | 26 | 4,064 | 192 | 767 | 6,890 |
| Isobutane/Isobutylene | 279 | 680 | 764 | 20 | 13 | 1,756 | 99 | 434 | 3,227 |
| Other Hydrocarbons/Hydrogen/Oxygenates | 14 | 1,651 | 644 | 5 | 9 | 2,323 | 101 | 2,630 | 7,409 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 4 | 16 |
| Oxygenates | 14 | 1,651 | 642 | W | W | 2,321 | 101 | 2,626 | 7,393 |
| Fuel Ethanol | W | W | W | W | W | W | W | W | 439 |
| Methanol | W | W | W | W | W | W | W | W | 762 |
| MTBE | W | 1,300 | W | W | W | 1,868 | W | 2,603 | 6,068 |
| Other Oxygenates [a] | W | W | W | W | W | W | W | W | 124 |
| Unfinished Oils | 3,623 | 25,410 | 18,381 | 1,121 | 480 | 49,015 | 3,335 | 22,032 | 100,671 |
| Naphthas and Lighter | 1,357 | 6,560 | 3,394 | 216 | 205 | 11,732 | 905 | 3,373 | 22,260 |
| Kerosene and Light Gas Oils | 424 | 4,135 | 2,953 | 335 | 95 | 7,942 | 496 | 4,958 | 17,957 |
| Heavy Gas Oils | 958 | 10,001 | 8,201 | 521 | 180 | 19,861 | 1,393 | 10,583 | 42,183 |
| Residuum | 884 | 4,714 | 3,833 | 49 | 0 | 9,480 | 541 | 3,118 | 18,271 |
| Motor Gasoline Blending Components | 1,086 | 8,220 | 4,901 | 130 | 394 | 14,731 | 1,588 | 7,550 | 41,508 |
| Aviation Gasoline Blending Components | 7 | 0 | 26 | 0 | 0 | 33 | 0 | 2 | 119 |
| Finished Motor Gasoline | 1,476 | 10,225 | 5,971 | 223 | 97 | 17,992 | 2,146 | 9,916 | 52,469 |
| Reformulated | 136 | 2,891 | 415 | 0 | 0 | 3,442 | 0 | 5,811 | 17,826 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 261 |
| Other | 1,340 | 7,334 | 5,556 | 223 | 97 | 14,550 | 2,146 | 4,105 | 34,382 |
| Finished Aviation Gasoline | 73 | 189 | 186 | 0 | 0 | 448 | 24 | 233 | 962 |
| Jet Fuel | 428 | 3,965 | 2,651 | 73 | 45 | 7,162 | 474 | 4,550 | 16,152 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 42 |
| Kerosene-Type | 428 | 3,965 | 2,651 | 73 | 45 | 7,162 | 474 | 4,508 | 16,110 |
| Kerosene | 19 | 118 | 191 | 36 | 23 | 387 | 56 | 52 | 1,343 |
| Distillate Fuel Oil | 982 | 8,694 | 5,393 | 474 | 264 | 15,807 | 1,273 | 6,571 | 44,548 |
| 0.05 percent sulfur and under | 536 | 4,708 | 2,158 | 214 | 207 | 7,823 | 984 | 5,049 | 20,553 |
| Greater then 0.05 percent sulfur | 446 | 3,986 | 3,235 | 260 | 57 | 7,984 | 289 | 1,522 | 23,995 |
| Residual Fuel Oil | 319 | 3,217 | 3,554 | 142 | 9 | 7,241 | 748 | 4,433 | 17,981 |
| Less than 0.31 percent sulfur | 38 | 9 | 29 | 0 | 0 | 76 | 14 | 602 | 1,680 |
| 0.31 to 1.00 percent sulfur | 99 | 517 | 1,272 | 93 | 9 | 1,990 | 629 | 815 | 4,870 |
| Greater than 1.00 percent sulfur | 182 | 2,691 | 2,253 | 49 | 0 | 5,175 | 105 | 3,016 | 11,431 |
| Naphtha for Petrochemical Feedstock Use | 14 | 650 | 359 | 0 | 18 | 1,041 | 0 | 104 | 1,716 |
| Other Oils for Petrochemical Feedstock Use | 73 | 1,615 | 203 | 0 | 0 | 1,891 | 0 | 102 | 2,193 |
| Special Naphthas | 61 | 1,054 | 43 | 108 | 0 | 1,266 | 0 | 49 | 1,748 |
| Lubricants | 19 | 2,230 | 1,488 | 801 | 0 | 4,538 | 0 | 982 | 6,950 |
| Waxes | 0 | 210 | 233 | 24 | 0 | 467 | 0 | 182 | 858 |
| Petroleum Coke (Marketable) | 0 | 2,135 | 3,010 | 0 | 0 | 5,145 | 226 | 2,164 | 12,623 |
| Asphalt and Road Oil | 1,009 | 520 | 760 | 1,645 | 235 | 4,169 | 2,316 | 2,317 | 20,079 |
| Miscellaneous Products | 15 | 190 | 385 | 0 | 0 | 590 | 2 | 130 | 885 |
| **Total Stocks, All Oils** | **13,045** | **105,617** | **70,295** | **5,931** | **2,050** | **196,938** | **14,784** | **88,514** | **454,246** |

[a] Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

W = Withheld to avoid disclosure of individual company data.

Notes: • Stocks are reported as of the last day of the month. • Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

## Table 31. Percent Refinery Yield of Petroleum Products by PAD and Refining Districts,[a] April 1998

| Commodity | PAD District I | | | PAD District II | | | |
|---|---|---|---|---|---|---|---|
| | East Coast | Appalachian No. 1 | Total | Ind., Ill., Ky. | Minn., Wis., N. Dak., S. Dak. | Okla., Kans., Mo. | Total |
| Liquefied Refinery Gases | 4.3 | 0.9 | 4.1 | 5.0 | 3.8 | 3.6 | 4.6 |
| Finished Motor Gasoline[b] | 43.6 | 40.2 | 43.4 | 50.1 | 50.0 | 48.1 | 49.6 |
| Finished Aviation Gasoline[c] | 0.3 | 0.0 | 0.3 | 0.1 | 0.3 | 0.7 | 0.2 |
| Naphtha-Type Jet Fuel | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kerosene-Type Jet Fuel | 6.4 | 1.1 | 6.2 | 6.5 | 8.1 | 5.3 | 6.5 |
| Kerosene | 0.7 | 2.3 | 0.8 | 0.2 | 0.3 | 0.1 | 0.2 |
| Distillate Fuel Oil | 27.5 | 23.6 | 27.3 | 23.3 | 25.3 | 32.2 | 25.4 |
| Residual Fuel Oil | 7.5 | 2.6 | 7.2 | 3.3 | 3.5 | 0.3 | 2.7 |
| Naphtha for Petrochemical Feedstock Use | 0.8 | 0.0 | 0.7 | 0.8 | 0.0 | 0.1 | 0.6 |
| Other Oils for Petrochemical Feedstock Use | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 0.3 | 0.6 |
| Special Naphthas | 0.1 | 0.7 | 0.1 | 1.1 | 0.0 | 0.4 | 0.8 |
| Lubricants | 0.5 | 8.0 | 0.9 | 0.8 | 0.0 | 1.4 | 0.8 |
| Waxes | 0.0 | 1.9 | 0.1 | 0.1 | 0.0 | 0.3 | 0.1 |
| Petroleum Coke | 3.2 | 1.1 | 3.1 | 3.7 | 6.3 | 4.1 | 4.1 |
| Asphalt and Road Oil | 5.0 | 15.0 | 5.5 | 4.4 | 6.4 | 3.7 | 4.5 |
| Still Gas | 3.7 | 2.8 | 3.7 | 4.0 | 3.4 | 3.6 | 3.8 |
| Miscellaneous Products | 0.1 | 1.3 | 0.1 | 0.2 | 0.6 | 0.2 | 0.3 |
| Processing Gain(-) or Loss(+)[d] | -3.6 | -1.3 | -3.5 | -4.4 | -8.0 | -4.4 | -4.9 |

| Commodity | PAD District III | | | | | | PAD Dist. IV | PAD Dist. V | U.S. Total |
|---|---|---|---|---|---|---|---|---|---|
| | Texas Inland | Texas Gulf Coast | La. Gulf Coast | N. La., Ark. | New Mexico | Total | Rocky Mt. | West Coast | |
| Liquefied Refinery Gases | 6.7 | 8.2 | 6.1 | 1.4 | 2.9 | 7.1 | 2.0 | 3.7 | 5.5 |
| Finished Motor Gasoline[b] | 49.1 | 43.4 | 44.3 | 26.1 | 55.9 | 43.9 | 46.5 | 43.3 | 45.0 |
| Finished Aviation Gasoline[c] | 0.7 | 0.2 | 0.1 | 0.0 | 0.0 | 0.2 | 0.1 | 0.2 | 0.2 |
| Naphtha-Type Jet Fuel | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Kerosene-Type Jet Fuel | 8.5 | 8.8 | 12.7 | 4.7 | 8.9 | 10.1 | 5.4 | 16.0 | 9.8 |
| Kerosene | 0.0 | 0.3 | 0.2 | 1.0 | -0.6 | 0.2 | 0.4 | 0.2 | 0.3 |
| Distillate Fuel Oil | 24.7 | 20.1 | 20.9 | 23.1 | 26.0 | 20.9 | 30.2 | 17.9 | 22.3 |
| Residual Fuel Oil | 2.3 | 5.6 | 5.5 | 4.1 | 0.4 | 5.2 | 3.1 | 9.3 | 5.5 |
| Naphtha for Petrochemical Feedstock Use | 1.1 | 4.0 | 1.2 | 0.0 | -0.8 | 2.6 | 0.0 | 0.1 | 1.5 |
| Other Oils for Petrochemical Feedstock Use | 1.0 | 3.1 | 2.9 | 0.0 | 0.0 | 2.8 | 0.0 | 0.2 | 1.5 |
| Special Naphthas | 0.5 | 0.5 | 0.1 | 2.9 | 0.0 | 0.4 | 0.0 | 0.1 | 0.4 |
| Lubricants | 0.2 | 1.5 | 1.4 | 11.9 | 0.0 | 1.6 | 0.0 | 0.9 | 1.2 |
| Waxes | 0.0 | 0.2 | 0.1 | 1.7 | 0.0 | 0.2 | 0.0 | 0.1 | 0.1 |
| Petroleum Coke | 1.8 | 5.3 | 5.3 | 1.5 | 0.6 | 4.9 | 3.4 | 6.3 | 4.7 |
| Asphalt and Road Oil | 2.7 | 1.0 | 1.0 | 18.8 | 4.7 | 1.6 | 7.4 | 1.7 | 2.8 |
| Still Gas | 4.2 | 4.1 | 3.8 | 3.2 | 3.2 | 4.0 | 3.8 | 5.7 | 4.2 |
| Miscellaneous Products | 0.4 | 0.4 | 0.6 | 0.0 | 0.0 | 0.5 | 0.4 | 0.2 | 0.3 |
| Processing Gain(-) or Loss(+)[d] | -3.9 | -6.7 | -6.2 | -0.6 | -1.2 | -6.1 | -2.8 | -5.9 | -5.4 |

[a] Based on crude oil input and net reruns of unfinished oils.
[b] Based on total finished motor gasoline output minus net input of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and oxygenates.
[c] Based on finished aviation gasoline output minus net input of aviation gasoline blending components.
[d] Represents the difference between input and production.
Notes: • Totals may not equal sum of components due to independent rounding. • Refer to Appendix A for Refining District descriptions.
Sources: Calculated from data on Tables 28 and 29.

## Table 32. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, April 1998

(Thousand Barrels)

| PAD District and State of Entry | Residual Fuel Oil | | | |
|---|---|---|---|---|
| | Less than 0.31% Sulfur | 0.31 to 1.00% Sulfur | Greater than 1.00% Sulfur | Total |
| **PAD District I** | **1,066** | **1,758** | **3,045** | **5,869** |
| Delaware | 0 | 0 | 155 | 155 |
| Florida | 0 | 650 | 710 | 1,360 |
| Georgia | 0 | 0 | 275 | 275 |
| Maine | 22 | 0 | 0 | 22 |
| Maryland | 0 | 172 | 39 | 211 |
| New Jersey | 615 | 807 | 428 | 1,850 |
| New York | 429 | 2 | 226 | 657 |
| North Carolina | 0 | 0 | 658 | 658 |
| Pennsylvania | 0 | 0 | 170 | 170 |
| South Carolina | 0 | 40 | 267 | 307 |
| Vermont | 0 | 0 | 4 | 4 |
| Virginia | 0 | 87 | 113 | 200 |
| **PAD District II** | **47** | **0** | **44** | **91** |
| Michigan | 47 | 0 | 44 | 91 |
| **PAD District V** | **147** | **0** | **536** | **683** |
| Hawaii | 147 | 0 | 536 | 683 |
| **U.S. Total** | **1,260** | **1,758** | **3,625** | **6,643** |

Source: Energy Information Administration (EIA) Form EIA-814, “Monthly Imports Report.”

## Table 33. Imports of Crude Oil and Petroleum Products by PAD District, April 1998
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | | Daily Average |
|---|---|---|---|---|---|---|---|
| | I | II | III | IV | V | U.S. Total | |
| **Crude Oil**[a,b] | **45,676** | **47,581** | **142,267** | **3,510** | **16,664** | **255,698** | **8,523** |
| **Natural Gas Liquids** | **628** | **2,705** | **4,101** | **244** | **3** | **7,681** | **256** |
| Pentanes Plus | 0 | 27 | 523 | 110 | 0 | 660 | 22 |
| Liquefied Petroleum Gases | 628 | 2,678 | 3,578 | 134 | 3 | 7,021 | 234 |
| Ethane | 0 | 0 | 420 | 0 | 0 | 420 | 14 |
| Ethylene | 0 | 7 | 0 | 0 | 0 | 7 | (s) |
| Propane | 528 | 2,182 | 2,479 | 97 | 3 | 5,289 | 176 |
| Propylene | 0 | 189 | 0 | 0 | 0 | 189 | 6 |
| Normal Butane | 100 | 81 | 410 | 37 | 0 | 628 | 21 |
| Butylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Isobutane | 0 | 219 | 269 | 0 | 0 | 488 | 16 |
| Isobutylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other Liquids** | **7,226** | **179** | **6,627** | **0** | **3,156** | **17,188** | **573** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 812 | 0 | 0 | 0 | 2,222 | 3,034 | 101 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oxygenates | 812 | 0 | 0 | 0 | 2,222 | 3,034 | 101 |
| Fuel Ethanol | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MTBE | 812 | 0 | 0 | 0 | 2,222 | 3,034 | 101 |
| Other Oxygenates[c] | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils[a] | 424 | 179 | 6,485 | 0 | 673 | 7,761 | 259 |
| Naphthas and Lighter | 0 | 2 | 1,717 | 0 | 0 | 1,719 | 57 |
| Kerosene and Light Gas Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heavy Gas Oils | 424 | 177 | 2,913 | 0 | 0 | 3,514 | 117 |
| Residuum | 0 | 0 | 1,855 | 0 | 673 | 2,528 | 84 |
| Motor Gasoline Blending Components | 5,990 | 0 | 142 | 0 | 261 | 6,393 | 213 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Finished Petroleum Products** | **20,912** | **421** | **8,782** | **184** | **1,063** | **31,362** | **1,045** |
| Finished Motor Gasoline | 7,249 | 62 | 243 | 25 | 17 | 7,596 | 253 |
| Reformulated | 3,409 | 0 | 0 | 0 | 0 | 3,409 | 114 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 3,840 | 62 | 243 | 25 | 17 | 4,187 | 140 |
| Finished Aviation Gasoline | 0 | 3 | 0 | 0 | 1 | 4 | (s) |
| Jet Fuel | 1,624 | 0 | 0 | 0 | 180 | 1,804 | 60 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 1,624 | 0 | 0 | 0 | 180 | 1,804 | 60 |
| Bonded Aircraft Fuel | 794 | 0 | 0 | 0 | 0 | 794 | 26 |
| Other | 830 | 0 | 0 | 0 | 180 | 1,010 | 34 |
| Kerosene | 12 | 0 | 0 | 0 | 0 | 12 | (s) |
| Distillate Fuel Oil | 5,333 | 100 | 0 | 158 | 89 | 5,680 | 189 |
| Bonded Ship Bunkers | 0 | 0 | 0 | 5 | 18 | 23 | 1 |
| 0.05 percent sulfur and under | 0 | 0 | 0 | 5 | 0 | 5 | (s) |
| Greater than 0.05 percent sulfur | 0 | 0 | 0 | 0 | 18 | 18 | 1 |
| Other | 5,333 | 100 | 0 | 153 | 71 | 5,657 | 189 |
| 0.05 percent sulfur and under | 2,473 | 81 | 0 | 50 | 71 | 2,675 | 89 |
| Greater than 0.05 percent sulfur | 2,860 | 19 | 0 | 103 | 0 | 2,982 | 99 |
| Residual Fuel Oil | 5,869 | 91 | 0 | 0 | 683 | 6,643 | 221 |
| Bonded Ship Bunkers | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less than 0.31 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater than 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 5,869 | 91 | 0 | 0 | 683 | 6,643 | 221 |
| Less than 0.31 percent sulfur | 1,066 | 47 | 0 | 0 | 147 | 1,260 | 42 |
| 0.31 to 1.00 percent sulfur | 1,758 | 0 | 0 | 0 | 0 | 1,758 | 59 |
| Greater than 1.00 percent sulfur | 3,045 | 44 | 0 | 0 | 536 | 3,625 | 121 |
| Naphtha for Petrochemical Feedstock Use | 126 | 27 | 1,555 | 0 | 38 | 1,746 | 58 |
| Other Oils for Petrochemical Feedstock Use | 0 | 0 | 6,820 | 0 | 0 | 6,820 | 227 |
| Special Naphthas | 112 | 45 | 72 | 0 | 1 | 230 | 8 |
| Lubricants | 121 | 29 | 12 | 0 | 0 | 162 | 5 |
| Waxes | 29 | 10 | 2 | 0 | 3 | 44 | 1 |
| Petroleum Coke | 0 | 0 | 0 | 0 | 51 | 51 | 2 |
| Asphalt and Road Oil | 437 | 53 | 78 | 1 | 0 | 569 | 19 |
| Miscellaneous Products | 0 | 1 | 0 | 0 | 0 | 1 | (s) |
| **Total** | **74,442** | **50,886** | **161,777** | **3,938** | **20,886** | **311,929** | **10,398** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 34. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-April 1998
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | | Daily Average |
|---|---|---|---|---|---|---|---|
| | I | II | III | IV | V | U.S. Total | |
| **Crude Oil[a,b]** | **183,038** | **186,256** | **534,129** | **15,011** | **56,229** | **974,663** | **8,122** |
| **Natural Gas Liquids** | **4,064** | **11,660** | **12,764** | **1,502** | **11** | **30,001** | **250** |
| Pentanes Plus | 0 | 126 | 2,462 | 425 | 0 | 3,013 | 25 |
| Liquefied Petroleum Gases | 4,064 | 11,534 | 10,302 | 1,077 | 11 | 26,988 | 225 |
| Ethane | 0 | 0 | 2,269 | 0 | 0 | 2,269 | 19 |
| Ethylene | 0 | 45 | 0 | 0 | 0 | 45 | (s) |
| Propane | 3,834 | 8,667 | 5,562 | 652 | 11 | 18,726 | 156 |
| Propylene | 0 | 855 | 0 | 0 | 0 | 855 | 7 |
| Normal Butane | 230 | 882 | 1,415 | 425 | 0 | 2,952 | 25 |
| Butylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Isobutane | 0 | 1,085 | 1,056 | 0 | 0 | 2,141 | 18 |
| Isobutylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other Liquids** | **22,589** | **184** | **27,149** | **0** | **9,018** | **58,940** | **491** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 2,328 | 0 | 22 | 0 | 5,977 | 8,327 | 69 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oxygenates | 2,328 | 0 | 22 | 0 | 5,977 | 8,327 | 69 |
| Fuel Ethanol | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MTBE | 2,328 | 0 | 22 | 0 | 5,977 | 8,327 | 69 |
| Other Oxygenates[c] | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils[a] | 3,596 | 181 | 26,356 | 0 | 2,780 | 32,913 | 274 |
| Naphthas and Lighter | 0 | 4 | 6,034 | 0 | 0 | 6,038 | 50 |
| Kerosene and Light Gas Oils | 272 | 0 | 0 | 0 | 0 | 272 | 2 |
| Heavy Gas Oils | 3,324 | 177 | 11,972 | 0 | 0 | 15,473 | 129 |
| Residuum | 0 | 0 | 8,350 | 0 | 2,780 | 11,130 | 93 |
| Motor Gasoline Blending Components | 16,665 | 3 | 771 | 0 | 261 | 17,700 | 148 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Finished Petroleum Products** | **89,107** | **1,191** | **30,730** | **633** | **2,023** | **123,684** | **1,031** |
| Finished Motor Gasoline | 31,522 | 224 | 1,058 | 74 | 111 | 32,989 | 275 |
| Reformulated | 17,878 | 0 | 815 | 0 | 0 | 18,693 | 156 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 13,644 | 224 | 243 | 74 | 111 | 14,296 | 119 |
| Finished Aviation Gasoline | 0 | 4 | 0 | 0 | 3 | 7 | (s) |
| Jet Fuel | 8,900 | 0 | 9 | 0 | 697 | 9,606 | 80 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 8,900 | 0 | 9 | 0 | 697 | 9,606 | 80 |
| Bonded Aircraft Fuel | 5,869 | 0 | 0 | 0 | 3 | 5,872 | 49 |
| Other | 3,031 | 0 | 9 | 0 | 694 | 3,734 | 31 |
| Kerosene | 190 | 0 | 0 | 0 | 0 | 190 | 2 |
| Distillate Fuel Oil | 22,358 | 344 | 0 | 558 | 168 | 23,428 | 195 |
| Bonded Ship Bunkers | 0 | 0 | 0 | 8 | 97 | 105 | 1 |
| 0.05 percent sulfur and under | 0 | 0 | 0 | 8 | 0 | 8 | (s) |
| Greater than 0.05 percent sulfur | 0 | 0 | 0 | 0 | 97 | 97 | 1 |
| Other | 22,358 | 344 | 0 | 550 | 71 | 23,323 | 194 |
| 0.05 percent sulfur and under | 10,718 | 255 | 0 | 118 | 71 | 11,162 | 93 |
| Greater than 0.05 percent sulfur | 11,640 | 89 | 0 | 432 | 0 | 12,161 | 101 |
| Residual Fuel Oil | 22,017 | 110 | 1,424 | 0 | 780 | 24,331 | 203 |
| Bonded Ship Bunkers | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Less than 0.31 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater than 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 22,017 | 110 | 1,424 | 0 | 780 | 24,331 | 203 |
| Less than 0.31 percent sulfur | 4,705 | 66 | 831 | 0 | 147 | 5,749 | 48 |
| 0.31 to 1.00 percent sulfur | 5,262 | 0 | 0 | 0 | 0 | 5,262 | 44 |
| Greater than 1.00 percent sulfur | 12,050 | 44 | 593 | 0 | 633 | 13,320 | 111 |
| Naphtha for Petrochemical Feedstock Use | 784 | 132 | 6,554 | 0 | 75 | 7,545 | 63 |
| Other Oils for Petrochemical Feedstock Use | 0 | 0 | 21,278 | 0 | 0 | 21,278 | 177 |
| Special Naphthas | 358 | 164 | 221 | 0 | 3 | 746 | 6 |
| Lubricants | 755 | 94 | 12 | 0 | 0 | 861 | 7 |
| Waxes | 99 | 50 | 18 | 0 | 6 | 173 | 1 |
| Petroleum Coke | 0 | 0 | 0 | 0 | 172 | 172 | 1 |
| Asphalt and Road Oil | 2,124 | 65 | 148 | 1 | 0 | 2,338 | 19 |
| Miscellaneous Products | 0 | 4 | 8 | 0 | 8 | 20 | (s) |
| **Total** | **298,798** | **199,291** | **604,772** | **17,146** | **67,281** | **1,187,288** | **9,894** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 35. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,[a] April 1998

(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **54,630** | **3,046** | **2,067** | **498** | **518** | **0** | **44** | **1,286** | **0** | **0** |
| Algeria | 0 | 1,898 | 870 | 498 | 0 | 0 | 0 | 951 | 0 | 0 |
| Iraq | 7,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 7,871 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 39,160 | 1,148 | 1,197 | 0 | 518 | 0 | 44 | 335 | 0 | 0 |
| United Arab Emirates | 599 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **63,968** | **0** | **2,087** | **882** | **995** | **1,025** | **1,672** | **2,223** | **0** | **0** |
| Indonesia | 793 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | 0 | 0 |
| Nigeria | 23,169 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 40,006 | 0 | 2,087 | 882 | 995 | 1,025 | 1,672 | 1,687 | 0 | 0 |
| **Non OPEC** | **137,100** | **3,975** | **3,607** | **5,013** | **6,083** | **779** | **3,964** | **3,134** | **12** | **230** |
| Angola | 13,550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 2,394 | 0 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 427 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 664 | 749 | 23 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 0 | 279 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 37,177 | 3,568 | 249 | 364 | 1,409 | 0 | 1,990 | 248 | 12 | 230 |
| China, People's Republic of | 1,090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 10,428 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 1,308 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 2,425 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 |
| France | 0 | 0 | 278 | 839 | 235 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 7,671 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 369 | 0 | 0 |
| Guatemala | 636 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Korea, Republic of | 0 | 0 | 0 | 261 | 0 | 180 | 0 | 147 | 0 | 0 |
| Malaysia | 390 | 0 | 470 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 43,312 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 142 | 225 | 0 | 0 | 438 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 1,182 | 0 | 0 | 224 | 0 | 405 | 0 | 0 |
| New Zealand | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 6,955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 1,148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portugal | 0 | 0 | 0 | 0 | 243 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russia | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 281 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 1,425 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 4,628 | 407 | 0 | 1,681 | 2 | 0 | 0 | 0 | 0 | 0 |
| Virgin Islands | 0 | 0 | 424 | 331 | 3,639 | 375 | 1,974 | 1,326 | 0 | 0 |
| Other | 706 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **255,698** | **7,021** | **7,761** | **6,393** | **7,596** | **1,804** | **5,680** | **6,643** | **12** | **230** |
| **Persian Gulf**[e] | **54,630** | **1,148** | **1,197** | **0** | **518** | **0** | **44** | **335** | **0** | **0** |

See footnotes at end of table.

## Table 35. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,[a] April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **5,325** | **0** | **0** | **2,234** | **15,018** | **69,648** | **1,821** | **501** | **2,322** |
| Algeria | 0 | 5,325 | 0 | 0 | 523 | 10,065 | 10,065 | 0 | 336 | 336 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 7,000 | 233 | 0 | 233 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 7,871 | 262 | 0 | 262 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 1,711 | 4,953 | 44,113 | 1,305 | 165 | 1,470 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 599 | 20 | 0 | 20 |
| **Other OPEC** | **0** | **0** | **0** | **228** | **209** | **9,321** | **73,289** | **2,132** | **311** | **2,443** |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 536 | 1,329 | 26 | 18 | 44 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 23,169 | 772 | 0 | 772 |
| Venezuela | 0 | 0 | 0 | 228 | 209 | 8,785 | 48,791 | 1,334 | 293 | 1,626 |
| **Non OPEC** | **1,746** | **1,495** | **162** | **341** | **1,351** | **31,892** | **168,992** | **4,570** | **1,063** | **5,633** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 13,550 | 452 | 0 | 452 |
| Argentina | 425 | 0 | 0 | 0 | 0 | 668 | 3,062 | 80 | 22 | 102 |
| Australia | 76 | 1,250 | 0 | 0 | 0 | 1,430 | 1,857 | 14 | 48 | 62 |
| Belgium | 18 | 0 | 0 | 0 | 0 | 1,454 | 1,454 | 0 | 48 | 48 |
| Brazil | 43 | 0 | 0 | 0 | 0 | 322 | 322 | 0 | 11 | 11 |
| Brunei | 0 | 155 | 0 | 0 | 0 | 155 | 155 | 0 | 5 | 5 |
| Canada | 116 | 0 | 150 | 100 | 768 | 9,204 | 46,381 | 1,239 | 307 | 1,546 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 1,090 | 36 | 0 | 36 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 10,428 | 348 | 0 | 348 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 921 | 31 | 0 | 31 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 1,308 | 44 | 0 | 44 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 201 | 2,626 | 81 | 7 | 88 |
| France | 0 | 0 | 12 | 0 | 203 | 1,567 | 1,567 | 0 | 52 | 52 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 7,671 | 256 | 0 | 256 |
| Germany, FR | 0 | 0 | 0 | 0 | 10 | 390 | 390 | 0 | 13 | 13 |
| Guatemala | 0 | 0 | 0 | 0 | 0 | 0 | 636 | 21 | 0 | 21 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 71 | 71 | 0 | 2 | 2 |
| Italy | 0 | 0 | 0 | 0 | 0 | 51 | 51 | 0 | 2 | 2 |
| Japan | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | (s) | (s) |
| Korea, Republic of | 38 | 0 | 0 | 0 | 0 | 626 | 626 | 0 | 21 | 21 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 470 | 860 | 13 | 16 | 29 |
| Mexico | 607 | 0 | 0 | 241 | 3 | 884 | 44,196 | 1,444 | 29 | 1,473 |
| Netherlands | 0 | 0 | 0 | 0 | 262 | 1,067 | 1,067 | 0 | 36 | 36 |
| Netherlands Antilles | 0 | 90 | 0 | 0 | 0 | 1,901 | 1,901 | 0 | 63 | 63 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 17 | 0 | 17 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 6,955 | 232 | 0 | 232 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 1,148 | 38 | 0 | 38 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 243 | 243 | 0 | 8 | 8 |
| Puerto Rico | 121 | 0 | 0 | 0 | 0 | 121 | 121 | 0 | 4 | 4 |
| Russia | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | (s) | (s) |
| Singapore | 0 | 0 | 0 | 0 | 0 | 203 | 203 | 0 | 7 | 7 |
| Spain | 0 | 0 | 0 | 0 | 0 | 281 | 281 | 0 | 9 | 9 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 1,425 | 48 | 0 | 48 |
| Turkey | 192 | 0 | 0 | 0 | 0 | 192 | 192 | 0 | 6 | 6 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 2,090 | 6,718 | 154 | 70 | 224 |
| Virgin Islands | 0 | 0 | 0 | 0 | 91 | 8,160 | 8,160 | 0 | 272 | 272 |
| Other | 110 | 0 | 0 | 0 | 10 | 134 | 840 | 24 | 4 | 28 |
| **Total** | **1,746** | **6,820** | **162** | **569** | **3,794** | **56,231** | **311,929** | **8,523** | **1,874** | **10,398** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **1,711** | **4,953** | **59,583** | **1,821** | **165** | **1,986** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 36. PAD District I—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998
(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **4,806** | **400** | **0** | **498** | **518** | **0** | **44** | **1,286** | **0** | **0** |
| Algeria | 0 | 400 | 0 | 498 | 0 | 0 | 0 | 951 | 0 | 0 |
| Saudi Arabia | 4,806 | 0 | 0 | 0 | 518 | 0 | 44 | 335 | 0 | 0 |
| **Other OPEC** | **16,397** | **0** | **0** | **882** | **995** | **1,025** | **1,672** | **1,687** | **0** | **0** |
| Nigeria | 9,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 6,900 | 0 | 0 | 882 | 995 | 1,025 | 1,672 | 1,687 | 0 | 0 |
| **Non OPEC** | **24,473** | **228** | **424** | **4,610** | **5,736** | **599** | **3,617** | **2,896** | **12** | **112** |
| Angola | 6,732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 0 | 0 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 0 | 749 | 23 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 0 | 279 | 0 | 0 | 0 | 0 | 0 |
| Canada | 1,691 | 228 | 0 | 364 | 1,305 | 0 | 1,643 | 157 | 12 | 112 |
| Colombia | 4,190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 1,012 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 |
| France | 0 | 0 | 0 | 839 | 235 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 2,823 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 369 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 962 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 0 | 225 | 0 | 0 | 438 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 224 | 0 | 405 | 0 | 0 |
| Norway | 4,331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russia | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 281 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 358 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 1,096 | 0 | 0 | 1,681 | 2 | 0 | 0 | 0 | 0 | 0 |
| Virgin Islands | 0 | 0 | 424 | 331 | 3,639 | 375 | 1,974 | 1,326 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **45,676** | **628** | **424** | **5,990** | **7,249** | **1,624** | **5,333** | **5,869** | **12** | **112** |
| **Persian Gulf**[e] | **4,806** | **0** | **0** | **0** | **518** | **0** | **44** | **335** | **0** | **0** |

See footnotes at end of table.

## Table 36. PAD District I—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **226** | **2,972** | **7,778** | **160** | **99** | **259** |
| Algeria | 0 | 0 | 0 | 0 | 0 | 1,849 | 1,849 | 0 | 62 | 62 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 226 | 1,123 | 5,929 | 160 | 37 | 198 |
| **Other OPEC** | **0** | **0** | **0** | **150** | **30** | **6,441** | **22,838** | **547** | **215** | **761** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 9,497 | 317 | 0 | 317 |
| Venezuela | 0 | 0 | 0 | 150 | 30 | 6,441 | 13,341 | 230 | 215 | 445 |
| **Non OPEC** | **126** | **0** | **121** | **287** | **585** | **19,353** | **43,826** | **816** | **645** | **1,461** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 6,732 | 224 | 0 | 224 |
| Argentina | 0 | 0 | 0 | 0 | 0 | 243 | 243 | 0 | 8 | 8 |
| Belgium | 0 | 0 | 0 | 0 | 0 | 772 | 772 | 0 | 26 | 26 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 279 | 279 | 0 | 9 | 9 |
| Canada | 5 | 0 | 121 | 46 | 7 | 4,000 | 5,691 | 56 | 133 | 190 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 4,190 | 140 | 0 | 140 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 954 | 32 | 0 | 32 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 201 | 1,213 | 34 | 7 | 40 |
| France | 0 | 0 | 0 | 0 | 203 | 1,277 | 1,277 | 0 | 43 | 43 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 2,823 | 94 | 0 | 94 |
| Germany, FR | 0 | 0 | 0 | 0 | 8 | 388 | 388 | 0 | 13 | 13 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 71 | 71 | 0 | 2 | 2 |
| Italy | 0 | 0 | 0 | 0 | 0 | 51 | 51 | 0 | 2 | 2 |
| Japan | 0 | 0 | 0 | 0 | 4 | 4 | 4 | 0 | (s) | (s) |
| Mexico | 0 | 0 | 0 | 241 | 0 | 241 | 1,203 | 32 | 8 | 40 |
| Netherlands | 0 | 0 | 0 | 0 | 262 | 925 | 925 | 0 | 31 | 31 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 629 | 629 | 0 | 21 | 21 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 4,331 | 144 | 0 | 144 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 324 | 11 | 0 | 11 |
| Puerto Rico | 121 | 0 | 0 | 0 | 0 | 121 | 121 | 0 | 4 | 4 |
| Russia | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 0 | (s) | (s) |
| Spain | 0 | 0 | 0 | 0 | 0 | 281 | 281 | 0 | 9 | 9 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 358 | 12 | 0 | 12 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 1,683 | 2,779 | 37 | 56 | 93 |
| Virgin Islands | 0 | 0 | 0 | 0 | 91 | 8,160 | 8,160 | 0 | 272 | 272 |
| Other | 0 | 0 | 0 | 0 | 10 | 24 | 24 | 0 | 1 | 1 |
| **Total** | **126** | **0** | **121** | **437** | **841** | **28,766** | **74,442** | **1,523** | **959** | **2,481** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **226** | **1,123** | **5,929** | **160** | **37** | **198** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 37. PAD District II—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998

(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **6,388** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Kuwait | 304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 6,084 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **5,973** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Nigeria | 3,900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 2,073 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Non OPEC** | **35,220** | **2,678** | **179** | **0** | **62** | **0** | **100** | **91** | **0** | **45** |
| Angola | 2,783 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 28,264 | 2,678 | 179 | 0 | 62 | 0 | 100 | 91 | 0 | 45 |
| Colombia | 1,540 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 1,075 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 1,558 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **47,581** | **2,678** | **179** | **0** | **62** | **0** | **100** | **91** | **0** | **45** |
| **Persian Gulf** [e] | **6,388** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

See footnotes at end of table.

## Table 37. PAD District II—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **0** | **0** | **6,388** | **213** | **0** | **213** |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 304 | 10 | 0 | 10 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 0 | 0 | 6,084 | 203 | 0 | 203 |
| **Other OPEC** | **0** | **0** | **0** | **0** | **0** | **0** | **5,973** | **199** | **0** | **199** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 3,900 | 130 | 0 | 130 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | 2,073 | 69 | 0 | 69 |
| **Non OPEC** | **27** | **0** | **29** | **53** | **41** | **3,305** | **38,525** | **1,174** | **110** | **1,284** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 2,783 | 93 | 0 | 93 |
| Canada | 27 | 0 | 29 | 53 | 41 | 3,305 | 31,569 | 942 | 110 | 1,052 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 1,540 | 51 | 0 | 51 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 1,075 | 36 | 0 | 36 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 1,558 | 52 | 0 | 52 |
| **Total** | **27** | **0** | **29** | **53** | **41** | **3,305** | **50,886** | **1,586** | **110** | **1,696** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **0** | **0** | **6,388** | **213** | **0** | **213** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 38. PAD District III—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998

(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **37,572** | **2,646** | **2,067** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Algeria | 0 | 1,498 | 870 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 3,926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 7,067 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 26,579 | 1,148 | 1,197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **40,546** | **0** | **2,087** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Nigeria | 9,772 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 30,774 | 0 | 2,087 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Non OPEC** | **64,149** | **932** | **2,331** | **142** | **243** | **0** | **0** | **0** | **0** | **72** |
| Angola | 4,035 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 1,551 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 664 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 340 | 525 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 72 |
| Colombia | 4,698 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 354 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 278 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 4,848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | 636 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malaysia | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 40,054 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 142 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 1,182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 2,624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portugal | 0 | 0 | 0 | 0 | 243 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 1,067 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 1,974 | 407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **142,267** | **3,578** | **6,485** | **142** | **243** | **0** | **0** | **0** | **0** | **72** |
| **Persian Gulf**[e] | **37,572** | **1,148** | **1,197** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

See footnotes at end of table.

## Table 38. PAD District III—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **5,325** | **0** | **0** | **523** | **10,561** | **48,133** | **1,252** | **352** | **1,604** |
| Algeria | 0 | 5,325 | 0 | 0 | 523 | 8,216 | 8,216 | 0 | 274 | 274 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 3,926 | 131 | 0 | 131 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 7,067 | 236 | 0 | 236 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 0 | 2,345 | 28,924 | 886 | 78 | 964 |
| **Other OPEC** | **0** | **0** | **0** | **78** | **0** | **2,165** | **42,711** | **1,352** | **72** | **1,424** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 9,772 | 326 | 0 | 326 |
| Venezuela | 0 | 0 | 0 | 78 | 0 | 2,165 | 32,939 | 1,026 | 72 | 1,098 |
| **Non OPEC** | **1,555** | **1,495** | **12** | **0** | **2** | **6,784** | **70,933** | **2,138** | **226** | **2,364** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 4,035 | 135 | 0 | 135 |
| Argentina | 425 | 0 | 0 | 0 | 0 | 425 | 1,976 | 52 | 14 | 66 |
| Australia | 76 | 1,250 | 0 | 0 | 0 | 1,430 | 1,430 | 0 | 48 | 48 |
| Belgium | 18 | 0 | 0 | 0 | 0 | 682 | 682 | 0 | 23 | 23 |
| Brazil | 43 | 0 | 0 | 0 | 0 | 43 | 43 | 0 | 1 | 1 |
| Brunei | 0 | 155 | 0 | 0 | 0 | 155 | 155 | 0 | 5 | 5 |
| Canada | 84 | 0 | 0 | 0 | 0 | 751 | 1,091 | 11 | 25 | 36 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 4,698 | 157 | 0 | 157 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 921 | 31 | 0 | 31 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 354 | 12 | 0 | 12 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 335 | 11 | 0 | 11 |
| France | 0 | 0 | 12 | 0 | 0 | 290 | 290 | 0 | 10 | 10 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 4,848 | 162 | 0 | 162 |
| Germany, FR | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 0 | (s) | (s) |
| Guatemala | 0 | 0 | 0 | 0 | 0 | 0 | 636 | 21 | 0 | 21 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 390 | 13 | 0 | 13 |
| Mexico | 607 | 0 | 0 | 0 | 0 | 640 | 40,694 | 1,335 | 21 | 1,356 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 142 | 142 | 0 | 5 | 5 |
| Netherlands Antilles | 0 | 90 | 0 | 0 | 0 | 1,272 | 1,272 | 0 | 42 | 42 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 2,624 | 87 | 0 | 87 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 322 | 11 | 0 | 11 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 243 | 243 | 0 | 8 | 8 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 1,067 | 36 | 0 | 36 |
| Turkey | 192 | 0 | 0 | 0 | 0 | 192 | 192 | 0 | 6 | 6 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 407 | 2,381 | 66 | 14 | 79 |
| Other | 110 | 0 | 0 | 0 | 0 | 110 | 110 | 0 | 4 | 4 |
| **Total** | **1,555** | **6,820** | **12** | **78** | **525** | **19,510** | **161,777** | **4,742** | **650** | **5,393** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **0** | **2,345** | **39,917** | **1,252** | **78** | **1,331** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 39. PAD Districts IV and V—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998

(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| | **PAD District IV** | | | | | | | | | |
| **Non OPEC** | **3,510** | **134** | **0** | **0** | **25** | **0** | **158** | **0** | **0** | **0** |
| Canada | 3,510 | 134 | 0 | 0 | 25 | 0 | 158 | 0 | 0 | 0 |
| **Total** | **3,510** | **134** | **0** | **0** | **25** | **0** | **158** | **0** | **0** | **0** |
| | **PAD District V** | | | | | | | | | |
| **Arab OPEC** | **5,864** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Iraq | 3,074 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 1,691 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Arab Emirates | 599 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **1,052** | **0** | **0** | **0** | **0** | **0** | **0** | **536** | **0** | **0** |
| Indonesia | 793 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | 0 | 0 |
| Venezuela | 259 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Non OPEC** | **9,748** | **3** | **673** | **261** | **17** | **180** | **89** | **147** | **0** | **1** |
| Argentina | 843 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 3,372 | 3 | 0 | 0 | 17 | 0 | 89 | 0 | 0 | 1 |
| China, People's Republic of | 1,090 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 1,078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Korea, Republic of | 0 | 0 | 0 | 261 | 0 | 180 | 0 | 147 | 0 | 0 |
| Malaysia | 0 | 0 | 470 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 1,221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| New Zealand | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 502 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 706 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **16,664** | **3** | **673** | **261** | **17** | **180** | **89** | **683** | **0** | **1** |
| **Persian Gulf**[e] | **5,864** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

See footnotes at end of table.

## Table 39. PAD Districts IV and V—Imports of Crude Oil and Petroleum Products by Country of Origin,[a] April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **PAD District IV** | | | | | | | | | | |
| **Non OPEC** | **0** | **0** | **0** | **1** | **110** | **428** | **3,938** | **117** | **14** | **131** |
| Canada | 0 | 0 | 0 | 1 | 110 | 428 | 3,938 | 117 | 14 | 131 |
| **Total** | **0** | **0** | **0** | **1** | **110** | **428** | **3,938** | **117** | **14** | **131** |
| **PAD District V** | | | | | | | | | | |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **1,485** | **1,485** | **7,349** | **195** | **50** | **245** |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 3,074 | 102 | 0 | 102 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 500 | 17 | 0 | 17 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 1,485 | 1,485 | 3,176 | 56 | 50 | 106 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 599 | 20 | 0 | 20 |
| **Other OPEC** | **0** | **0** | **0** | **0** | **179** | **715** | **1,767** | **35** | **24** | **59** |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 536 | 1,329 | 26 | 18 | 44 |
| Venezuela | 0 | 0 | 0 | 0 | 179 | 179 | 438 | 9 | 6 | 15 |
| **Non OPEC** | **38** | **0** | **0** | **0** | **613** | **2,022** | **11,770** | **325** | **67** | **392** |
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 843 | 28 | 0 | 28 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 427 | 14 | 0 | 14 |
| Canada | 0 | 0 | 0 | 0 | 610 | 720 | 4,092 | 112 | 24 | 136 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 1,090 | 36 | 0 | 36 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 1,078 | 36 | 0 | 36 |
| Korea, Republic of | 38 | 0 | 0 | 0 | 0 | 626 | 626 | 0 | 21 | 21 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 470 | 470 | 0 | 16 | 16 |
| Mexico | 0 | 0 | 0 | 0 | 3 | 3 | 1,224 | 41 | (s) | 41 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 17 | 0 | 17 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 502 | 17 | 0 | 17 |
| Singapore | 0 | 0 | 0 | 0 | 0 | 203 | 203 | 0 | 7 | 7 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 706 | 24 | 0 | 24 |
| **Total** | **38** | **0** | **0** | **0** | **2,277** | **4,222** | **20,886** | **555** | **141** | **696** |
| **Persian Gulf** [e] | **0** | **0** | **0** | **0** | **1,485** | **1,485** | **7,349** | **195** | **50** | **245** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,[a] January-April 1998

(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **207,678** | **7,766** | **7,248** | **498** | **3,098** | **0** | **135** | **5,493** | **0** | **0** |
| Algeria | 866 | 6,618 | 1,954 | 498 | 0 | 0 | 0 | 4,215 | 0 | 0 |
| Iraq | 12,057 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 31,334 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Qatar | 504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 161,922 | 1,148 | 5,294 | 0 | 3,098 | 0 | 135 | 1,278 | 0 | 0 |
| United Arab Emirates | 995 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **245,669** | **1,600** | **10,579** | **3,097** | **4,600** | **4,591** | **5,314** | **5,756** | **5** | **0** |
| Indonesia | 3,931 | 0 | 100 | 0 | 0 | 0 | 0 | 633 | 0 | 0 |
| Nigeria | 82,412 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 0 | 0 |
| Venezuela | 159,326 | 1,600 | 10,479 | 3,097 | 4,600 | 4,591 | 5,314 | 4,957 | 5 | 0 |
| **Non OPEC** | **521,316** | **17,622** | **15,086** | **14,105** | **25,291** | **5,015** | **17,979** | **13,082** | **185** | **746** |
| Angola | 47,817 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 9,828 | 0 | 0 | 800 | 247 | 0 | 0 | 0 | 0 | 0 |
| Australia | 2,700 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 1,519 | 1,361 | 269 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 235 | 355 | 0 | 0 | 548 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 | 0 | 0 |
| Canada | 151,682 | 16,804 | 494 | 988 | 7,124 | 3 | 7,767 | 2,028 | 185 | 746 |
| China, People's Republic of | 5,325 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 33,822 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 5,483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 2,299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Denmark | 0 | 0 | 0 | 0 | 221 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 10,020 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 |
| Egypt | 1,366 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 1,232 | 1,330 | 1,563 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 32,370 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 99 | 50 | 11 | 0 | 0 | 1,559 | 0 | 0 |
| Guatemala | 2,624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 775 | 137 | 0 | 0 | 490 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Korea, Republic of | 0 | 0 | 0 | 261 | 0 | 404 | 0 | 147 | 0 | 0 |
| Malaysia | 2,423 | 0 | 1,039 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 159,241 | 0 | 661 | 0 | 0 | 116 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 32 | 292 | 574 | 0 | 0 | 438 | 0 | 0 |
| Netherlands Antilles | 1,000 | 0 | 4,905 | 54 | 0 | 1,946 | 0 | 1,059 | 0 | 0 |
| New Zealand | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 24,274 | 0 | 21 | 0 | 276 | 0 | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 512 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 5,395 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portugal | 0 | 0 | 0 | 0 | 1,260 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russia | 0 | 0 | 94 | 0 | 362 | 0 | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 1,278 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 389 | 445 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 0 | 0 | 0 | 233 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 6,444 | 0 | 0 | 119 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 14,449 | 818 | 0 | 5,827 | 27 | 0 | 0 | 510 | 0 | 0 |
| Virgin Islands | 0 | 0 | 2,877 | 1,262 | 12,378 | 2,545 | 10,212 | 5,893 | 0 | 0 |
| Other | 2,245 | 0 | 145 | 0 | 42 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **974,663** | **26,988** | **32,913** | **17,700** | **32,989** | **9,606** | **23,428** | **24,331** | **190** | **746** |
| **Persian Gulf**[e] | **206,812** | **1,148** | **5,294** | **0** | **3,098** | **0** | **135** | **1,278** | **0** | **0** |

See footnotes at end of table.

## Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin,[a] January-April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **1,262** | **18,163** | **0** | **0** | **5,882** | **49,545** | **257,223** | **1,731** | **413** | **2,144** |
| Algeria | 586 | 18,163 | 0 | 0 | 2,462 | 34,496 | 35,362 | 7 | 287 | 295 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 12,057 | 100 | 0 | 100 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 31,334 | 261 | 0 | 261 |
| Qatar | 0 | 0 | 0 | 0 | 0 | 0 | 504 | 4 | 0 | 4 |
| Saudi Arabia | 676 | 0 | 0 | 0 | 3,420 | 15,049 | 176,971 | 1,349 | 125 | 1,475 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 995 | 8 | 0 | 8 |
| **Other OPEC** | **687** | **240** | **0** | **1,444** | **1,010** | **38,923** | **284,592** | **2,047** | **324** | **2,372** |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 733 | 4,664 | 33 | 6 | 39 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 166 | 82,578 | 687 | 1 | 688 |
| Venezuela | 687 | 240 | 0 | 1,444 | 1,010 | 38,024 | 197,350 | 1,328 | 317 | 1,645 |
| **Non OPEC** | **5,596** | **2,875** | **861** | **894** | **4,820** | **124,157** | **645,473** | **4,344** | **1,035** | **5,379** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 47,817 | 398 | 0 | 398 |
| Argentina | 425 | 0 | 0 | 0 | 0 | 1,472 | 11,300 | 82 | 12 | 94 |
| Australia | 300 | 1,682 | 0 | 0 | 0 | 2,086 | 4,786 | 23 | 17 | 40 |
| Belgium | 18 | 0 | 0 | 0 | 0 | 3,167 | 3,167 | 0 | 26 | 26 |
| Brazil | 176 | 0 | 0 | 0 | 22 | 1,336 | 1,336 | 0 | 11 | 11 |
| Brunei | 0 | 155 | 0 | 0 | 0 | 155 | 155 | 0 | 1 | 1 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 209 | 209 | 0 | 2 | 2 |
| Canada | 356 | 0 | 318 | 493 | 2,806 | 40,112 | 191,794 | 1,264 | 334 | 1,598 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 5,325 | 44 | 0 | 44 |
| Colombia | 202 | 0 | 0 | 0 | 0 | 202 | 34,024 | 282 | 2 | 284 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 5,483 | 46 | 0 | 46 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 2,299 | 19 | 0 | 19 |
| Denmark | 0 | 0 | 0 | 0 | 0 | 221 | 221 | 0 | 2 | 2 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 201 | 10,221 | 84 | 2 | 85 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 58 | 1,424 | 11 | (s) | 12 |
| France | 245 | 0 | 12 | 0 | 757 | 5,139 | 5,139 | 0 | 43 | 43 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 32,370 | 270 | 0 | 270 |
| Germany, FR | 231 | 0 | 0 | 0 | 30 | 1,980 | 1,980 | 0 | 17 | 17 |
| Guatemala | 0 | 0 | 0 | 0 | 0 | 0 | 2,624 | 22 | 0 | 22 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 71 | 71 | 0 | 1 | 1 |
| Italy | 0 | 0 | 0 | 0 | 0 | 1,402 | 1,402 | 0 | 12 | 12 |
| Japan | 7 | 0 | 0 | 0 | 21 | 28 | 28 | 0 | (s) | (s) |
| Korea, Republic of | 75 | 0 | 0 | 0 | 112 | 999 | 999 | 0 | 8 | 8 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 1,039 | 3,462 | 20 | 9 | 29 |
| Mexico | 1,532 | 0 | 0 | 401 | 6 | 2,716 | 161,957 | 1,327 | 23 | 1,350 |
| Netherlands | 32 | 0 | 0 | 0 | 518 | 1,886 | 1,886 | 0 | 16 | 16 |
| Netherlands Antilles | 97 | 688 | 0 | 0 | 0 | 8,749 | 9,749 | 8 | 73 | 81 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 4 | 0 | 4 |
| Norway | 0 | 350 | 0 | 0 | 0 | 647 | 24,921 | 202 | 5 | 208 |
| Oman | 0 | 0 | 0 | 0 | 0 | 512 | 512 | 0 | 4 | 4 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 5,395 | 45 | 0 | 45 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 1,260 | 1,260 | 0 | 11 | 11 |
| Puerto Rico | 889 | 0 | 531 | 0 | 0 | 1,420 | 1,420 | 0 | 12 | 12 |
| Russia | 0 | 0 | 0 | 0 | 0 | 456 | 456 | 0 | 4 | 4 |
| Singapore | 0 | 0 | 0 | 0 | 159 | 1,438 | 1,438 | 0 | 12 | 12 |
| Spain | 273 | 0 | 0 | 0 | 0 | 1,107 | 1,107 | 0 | 9 | 9 |
| Sweden | 0 | 0 | 0 | 0 | 0 | 233 | 233 | 0 | 2 | 2 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 119 | 6,563 | 54 | 1 | 55 |
| Tunisia | 222 | 0 | 0 | 0 | 0 | 222 | 222 | 0 | 2 | 2 |
| Turkey | 192 | 0 | 0 | 0 | 0 | 266 | 266 | 0 | 2 | 2 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 7,182 | 21,631 | 120 | 60 | 180 |
| Virgin Islands | 46 | 0 | 0 | 0 | 364 | 35,577 | 35,577 | 0 | 296 | 296 |
| Other | 278 | 0 | 0 | 0 | 25 | 490 | 2,735 | 19 | 4 | 23 |
| **Total** | **7,545** | **21,278** | **861** | **2,338** | **11,712** | **212,625** | **1,187,288** | **8,122** | **1,772** | **9,894** |
| **Persian Gulf**[e] | **676** | **0** | **0** | **0** | **3,420** | **15,049** | **221,861** | **1,723** | **125** | **1,849** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 41. PAD District I—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998
(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **19,210** | **2,719** | **0** | **498** | **3,098** | **0** | **135** | **5,050** | **0** | **0** |
| Algeria | 0 | 2,719 | 0 | 498 | 0 | 0 | 0 | 4,215 | 0 | 0 |
| Saudi Arabia | 19,210 | 0 | 0 | 0 | 3,098 | 0 | 135 | 835 | 0 | 0 |
| **Other OPEC** | **61,438** | **0** | **280** | **2,890** | **4,600** | **4,591** | **5,314** | **4,973** | **5** | **0** |
| Nigeria | 36,857 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 0 | 0 |
| Venezuela | 24,581 | 0 | 280 | 2,890 | 4,600 | 4,591 | 5,314 | 4,807 | 5 | 0 |
| **Non OPEC** | **102,390** | **1,345** | **3,316** | **13,277** | **23,824** | **4,309** | **16,909** | **11,994** | **185** | **358** |
| Angola | 27,955 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 427 | 0 | 0 | 800 | 247 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 0 | 1,361 | 269 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 199 | 355 | 0 | 0 | 548 | 0 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 | 0 | 0 |
| Canada | 10,515 | 1,345 | 0 | 985 | 6,715 | 0 | 6,697 | 1,918 | 185 | 358 |
| Colombia | 8,013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 1,626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Denmark | 0 | 0 | 0 | 0 | 221 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 2,137 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 |
| Egypt | 1,366 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 272 | 1,330 | 1,563 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 16,726 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 0 | 50 | 11 | 0 | 0 | 728 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 580 | 137 | 0 | 0 | 490 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 2,732 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 150 | 574 | 0 | 0 | 438 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 167 | 54 | 0 | 1,657 | 0 | 1,059 | 0 | 0 |
| Norway | 17,934 | 0 | 0 | 0 | 276 | 0 | 0 | 0 | 0 | 0 |
| Peru | 696 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portugal | 0 | 0 | 0 | 0 | 202 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russia | 0 | 0 | 0 | 0 | 362 | 0 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 389 | 445 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 0 | 0 | 0 | 233 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 1,436 | 0 | 0 | 119 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 9,216 | 0 | 0 | 5,827 | 27 | 0 | 0 | 510 | 0 | 0 |
| Virgin Islands | 0 | 0 | 2,877 | 1,129 | 12,378 | 2,545 | 10,212 | 5,893 | 0 | 0 |
| Other | 652 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **183,038** | **4,064** | **3,596** | **16,665** | **31,522** | **8,900** | **22,358** | **22,017** | **190** | **358** |
| **Persian Gulf**[e] | **19,210** | **0** | **0** | **0** | **3,098** | **0** | **135** | **835** | **0** | **0** |

See footnotes at end of table.

## Table 41. PAD District I—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **347** | **11,847** | **31,057** | **160** | **99** | **259** |
| Algeria | 0 | 0 | 0 | 0 | 0 | 7,432 | 7,432 | 0 | 62 | 62 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 347 | 4,415 | 23,625 | 160 | 37 | 197 |
| **Other OPEC** | **0** | **0** | **0** | **1,296** | **352** | **24,301** | **85,739** | **512** | **203** | **714** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 166 | 37,023 | 307 | 1 | 309 |
| Venezuela | 0 | 0 | 0 | 1,296 | 352 | 24,135 | 48,716 | 205 | 201 | 406 |
| **Non OPEC** | **784** | **0** | **755** | **828** | **1,728** | **79,612** | **182,002** | **853** | **663** | **1,517** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 27,955 | 233 | 0 | 233 |
| Argentina | 0 | 0 | 0 | 0 | 0 | 1,047 | 1,474 | 4 | 9 | 12 |
| Belgium | 0 | 0 | 0 | 0 | 0 | 1,630 | 1,630 | 0 | 14 | 14 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 1,102 | 1,102 | 0 | 9 | 9 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 209 | 209 | 0 | 2 | 2 |
| Canada | 25 | 0 | 224 | 427 | 38 | 18,917 | 29,432 | 88 | 158 | 245 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 8,013 | 67 | 0 | 67 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 959 | 8 | 0 | 8 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 1,626 | 14 | 0 | 14 |
| Denmark | 0 | 0 | 0 | 0 | 0 | 221 | 221 | 0 | 2 | 2 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 201 | 2,338 | 18 | 2 | 19 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 1,366 | 11 | 0 | 11 |
| France | 0 | 0 | 0 | 0 | 747 | 3,912 | 3,912 | 0 | 33 | 33 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 16,726 | 139 | 0 | 139 |
| Germany, FR | 0 | 0 | 0 | 0 | 26 | 815 | 815 | 0 | 7 | 7 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 71 | 71 | 0 | 1 | 1 |
| Italy | 0 | 0 | 0 | 0 | 0 | 1,207 | 1,207 | 0 | 10 | 10 |
| Japan | 0 | 0 | 0 | 0 | 13 | 13 | 13 | 0 | (s) | (s) |
| Mexico | 0 | 0 | 0 | 401 | 0 | 508 | 3,240 | 23 | 4 | 27 |
| Netherlands | 0 | 0 | 0 | 0 | 518 | 1,680 | 1,680 | 0 | 14 | 14 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 2,937 | 2,937 | 0 | 24 | 24 |
| Norway | 0 | 0 | 0 | 0 | 0 | 276 | 18,210 | 149 | 2 | 152 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 696 | 6 | 0 | 6 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 202 | 202 | 0 | 2 | 2 |
| Puerto Rico | 759 | 0 | 531 | 0 | 0 | 1,290 | 1,290 | 0 | 11 | 11 |
| Russia | 0 | 0 | 0 | 0 | 0 | 362 | 362 | 0 | 3 | 3 |
| Spain | 0 | 0 | 0 | 0 | 0 | 834 | 834 | 0 | 7 | 7 |
| Sweden | 0 | 0 | 0 | 0 | 0 | 233 | 233 | 0 | 2 | 2 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 119 | 1,555 | 12 | 1 | 13 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 6,364 | 15,580 | 77 | 53 | 130 |
| Virgin Islands | 0 | 0 | 0 | 0 | 364 | 35,398 | 35,398 | 0 | 295 | 295 |
| Other | 0 | 0 | 0 | 0 | 22 | 64 | 716 | 5 | 1 | 6 |
| **Total** | **784** | **0** | **755** | **2,124** | **2,427** | **115,760** | **298,798** | **1,525** | **965** | **2,490** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **347** | **4,415** | **23,625** | **160** | **37** | **197** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 42. PAD District II—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998
(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **27,151** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Kuwait | 4,472 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Qatar | 504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 22,175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **18,541** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Nigeria | 7,852 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 10,689 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Non OPEC** | **140,564** | **11,534** | **181** | **3** | **224** | **0** | **344** | **110** | **0** | **164** |
| Angola | 8,974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 241 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 110,284 | 11,534 | 181 | 3 | 224 | 0 | 344 | 110 | 0 | 164 |
| Colombia | 5,011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 401 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 11,970 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 1,124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 2,559 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **186,256** | **11,534** | **181** | **3** | **224** | **0** | **344** | **110** | **0** | **164** |
| **Persian Gulf**[e] | **27,151** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

See footnotes at end of table.

## Table 42. PAD District II—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998 (Continued)
(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **0** | **0** | **27,151** | **226** | **0** | **226** |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 4,472 | 37 | 0 | 37 |
| Qatar | 0 | 0 | 0 | 0 | 0 | 0 | 504 | 4 | 0 | 4 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 0 | 0 | 22,175 | 185 | 0 | 185 |
| **Other OPEC** | **0** | **0** | **0** | **0** | **0** | **0** | **18,541** | **155** | **0** | **155** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 7,852 | 65 | 0 | 65 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | 10,689 | 89 | 0 | 89 |
| **Non OPEC** | **132** | **0** | **94** | **65** | **184** | **13,035** | **153,599** | **1,171** | **109** | **1,280** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 8,974 | 75 | 0 | 75 |
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 2 | 0 | 2 |
| Canada | 132 | 0 | 94 | 65 | 184 | 13,035 | 123,319 | 919 | 109 | 1,028 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 5,011 | 42 | 0 | 42 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 401 | 3 | 0 | 3 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 11,970 | 100 | 0 | 100 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 1,124 | 9 | 0 | 9 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 2,559 | 21 | 0 | 21 |
| **Total** | **132** | **0** | **94** | **65** | **184** | **13,035** | **199,291** | **1,552** | **109** | **1,661** |
| **Persian Gulf**[e] | **0** | **0** | **0** | **0** | **0** | **0** | **27,151** | **226** | **0** | **226** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 43. PAD District III—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998
(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **147,456** | **5,047** | **7,248** | **0** | **0** | **0** | **0** | **443** | **0** | **0** |
| Algeria | 866 | 3,899 | 1,954 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iraq | 6,664 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 22,400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 117,130 | 1,148 | 5,294 | 0 | 0 | 0 | 0 | 443 | 0 | 0 |
| United Arab Emirates | 396 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **160,122** | **1,600** | **9,836** | **207** | **0** | **0** | **0** | **150** | **0** | **0** |
| Nigeria | 37,703 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Venezuela | 122,419 | 1,600 | 9,836 | 207 | 0 | 0 | 0 | 150 | 0 | 0 |
| **Non OPEC** | **226,551** | **3,655** | **9,272** | **564** | **1,058** | **9** | **0** | **831** | **0** | **221** |
| Angola | 10,888 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Argentina | 6,707 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium | 0 | 0 | 1,519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 1,585 | 2,837 | 313 | 0 | 0 | 0 | 0 | 0 | 0 | 221 |
| China, People's Republic of | 2,026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Colombia | 20,798 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Brazzaville) | 4,123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Congo (Kinshasa)[d] | 673 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 2,668 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gabon | 15,644 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Germany, FR | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 831 | 0 | 0 |
| Guatemala | 2,624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 0 | 0 | 0 | 195 | 0 | 0 | 0 | 0 | 0 | 0 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malaysia | 1,396 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 142,129 | 0 | 661 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 32 | 142 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 1,000 | 0 | 4,738 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 5,216 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 512 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 1,392 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portugal | 0 | 0 | 0 | 0 | 1,058 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Russia | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 5,008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 2,674 | 818 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virgin Islands | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **534,129** | **10,302** | **26,356** | **771** | **1,058** | **9** | **0** | **1,424** | **0** | **221** |
| **Persian Gulf**[e] | **146,590** | **1,148** | **5,294** | **0** | **0** | **0** | **0** | **443** | **0** | **0** |

See footnotes at end of table.

## Table 43. PAD District III—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **Arab OPEC** | **1,262** | **18,163** | **0** | **0** | **2,462** | **34,625** | **182,081** | **1,229** | **289** | **1,517** |
| Algeria | 586 | 18,163 | 0 | 0 | 2,462 | 27,064 | 27,930 | 7 | 226 | 233 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 6,664 | 56 | 0 | 56 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 22,400 | 187 | 0 | 187 |
| Saudi Arabia | 676 | 0 | 0 | 0 | 0 | 7,561 | 124,691 | 976 | 63 | 1,039 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 396 | 3 | 0 | 3 |
| **Other OPEC** | **687** | **240** | **0** | **148** | **0** | **12,868** | **172,990** | **1,334** | **107** | **1,442** |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 37,703 | 314 | 0 | 314 |
| Venezuela | 687 | 240 | 0 | 148 | 0 | 12,868 | 135,287 | 1,020 | 107 | 1,127 |
| **Non OPEC** | **4,605** | **2,875** | **12** | **0** | **48** | **23,150** | **249,701** | **1,888** | **193** | **2,081** |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 10,888 | 91 | 0 | 91 |
| Argentina | 425 | 0 | 0 | 0 | 0 | 425 | 7,132 | 56 | 4 | 59 |
| Australia | 300 | 1,682 | 0 | 0 | 0 | 2,086 | 2,086 | 0 | 17 | 17 |
| Belgium | 18 | 0 | 0 | 0 | 0 | 1,537 | 1,537 | 0 | 13 | 13 |
| Brazil | 176 | 0 | 0 | 0 | 22 | 234 | 234 | 0 | 2 | 2 |
| Brunei | 0 | 155 | 0 | 0 | 0 | 155 | 155 | 0 | 1 | 1 |
| Canada | 199 | 0 | 0 | 0 | 1 | 3,571 | 5,156 | 13 | 30 | 43 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 2,026 | 17 | 0 | 17 |
| Colombia | 202 | 0 | 0 | 0 | 0 | 202 | 21,000 | 173 | 2 | 175 |
| Congo (Brazzaville) | 0 | 0 | 0 | 0 | 0 | 0 | 4,123 | 34 | 0 | 34 |
| Congo (Kinshasa)[d] | 0 | 0 | 0 | 0 | 0 | 0 | 673 | 6 | 0 | 6 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 2,668 | 22 | 0 | 22 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 58 | 58 | 0 | (s) | (s) |
| France | 245 | 0 | 12 | 0 | 10 | 1,227 | 1,227 | 0 | 10 | 10 |
| Gabon | 0 | 0 | 0 | 0 | 0 | 0 | 15,644 | 130 | 0 | 130 |
| Germany, FR | 231 | 0 | 0 | 0 | 4 | 1,165 | 1,165 | 0 | 10 | 10 |
| Guatemala | 0 | 0 | 0 | 0 | 0 | 0 | 2,624 | 22 | 0 | 22 |
| Italy | 0 | 0 | 0 | 0 | 0 | 195 | 195 | 0 | 2 | 2 |
| Japan | 7 | 0 | 0 | 0 | 8 | 15 | 15 | 0 | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 1,396 | 12 | 0 | 12 |
| Mexico | 1,532 | 0 | 0 | 0 | 0 | 2,202 | 144,331 | 1,184 | 18 | 1,203 |
| Netherlands | 32 | 0 | 0 | 0 | 0 | 206 | 206 | 0 | 2 | 2 |
| Netherlands Antilles | 97 | 688 | 0 | 0 | 0 | 5,523 | 6,523 | 8 | 46 | 54 |
| Norway | 0 | 350 | 0 | 0 | 0 | 371 | 5,587 | 43 | 3 | 47 |
| Oman | 0 | 0 | 0 | 0 | 0 | 512 | 512 | 0 | 4 | 4 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 1,392 | 12 | 0 | 12 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 1,058 | 1,058 | 0 | 9 | 9 |
| Puerto Rico | 130 | 0 | 0 | 0 | 0 | 130 | 130 | 0 | 1 | 1 |
| Russia | 0 | 0 | 0 | 0 | 0 | 94 | 94 | 0 | 1 | 1 |
| Spain | 273 | 0 | 0 | 0 | 0 | 273 | 273 | 0 | 2 | 2 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 5,008 | 42 | 0 | 42 |
| Tunisia | 222 | 0 | 0 | 0 | 0 | 222 | 222 | 0 | 2 | 2 |
| Turkey | 192 | 0 | 0 | 0 | 0 | 266 | 266 | 0 | 2 | 2 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 818 | 3,492 | 22 | 7 | 29 |
| Virgin Islands | 46 | 0 | 0 | 0 | 0 | 179 | 179 | 0 | 1 | 1 |
| Other | 278 | 0 | 0 | 0 | 3 | 426 | 426 | 0 | 4 | 4 |
| **Total** | **6,554** | **21,278** | **12** | **148** | **2,510** | **70,643** | **604,772** | **4,451** | **589** | **5,040** |
| **Persian Gulf**[e] | **676** | **0** | **0** | **0** | **0** | **7,561** | **154,151** | **1,222** | **63** | **1,285** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 44. PAD Districts IV and V—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998
(Thousand Barrels)

| Country of Origin | Crude Oil[b] | Liquefied Petroleum Gases | Unfinished Oils | Gasoline Blending Compo-nents | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Kerosene | Special Naphthas |
|---|---|---|---|---|---|---|---|---|---|---|
| | **PAD District IV** | | | | | | | | | |
| **Non OPEC** | **15,011** | **1,077** | **0** | **0** | **74** | **0** | **558** | **0** | **0** | **0** |
| Canada | 15,011 | 1,077 | 0 | 0 | 74 | 0 | 558 | 0 | 0 | 0 |
| **Total** | **15,011** | **1,077** | **0** | **0** | **74** | **0** | **558** | **0** | **0** | **0** |
| | **PAD District V** | | | | | | | | | |
| **Arab OPEC** | **13,861** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| Iraq | 5,393 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 4,462 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 3,407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Arab Emirates | 599 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other OPEC** | **5,568** | **0** | **463** | **0** | **0** | **0** | **0** | **633** | **0** | **0** |
| Indonesia | 3,931 | 0 | 100 | 0 | 0 | 0 | 0 | 633 | 0 | 0 |
| Venezuela | 1,637 | 0 | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Non OPEC** | **36,800** | **11** | **2,317** | **261** | **111** | **697** | **168** | **147** | **0** | **3** |
| Argentina | 2,453 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 2,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 14,287 | 11 | 0 | 0 | 111 | 3 | 168 | 0 | 0 | 3 |
| China, People's Republic of | 3,299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ecuador | 5,215 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Korea, Republic of | 0 | 0 | 0 | 261 | 0 | 404 | 0 | 147 | 0 | 0 |
| Malaysia | 1,027 | 0 | 1,039 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 2,410 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 289 | 0 | 0 | 0 | 0 |
| New Zealand | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 3,307 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 1,278 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Other | 1,593 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **56,229** | **11** | **2,780** | **261** | **111** | **697** | **168** | **780** | **0** | **3** |
| **Persian Gulf** [e] | **13,861** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

See footnotes at end of table.

## Table 44. PAD Districts IV and V—Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin,[a] January-April 1998 (Continued)

(Thousand Barrels)

| Country of Origin | Naphtha for Petrochemical Feedstock Use | Other Oils for Petrochemical Feedstock Use | Lubricants | Asphalt and Road Oil | Other Products[c] | Total Products | Total Crude Oil and Products | Daily Average | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Crude Oil | Products | Total |
| **PAD District IV** | | | | | | | | | | |
| **Non OPEC** | **0** | **0** | **0** | **1** | **425** | **2,135** | **17,146** | **125** | **18** | **143** |
| Canada | 0 | 0 | 0 | 1 | 425 | 2,135 | 17,146 | 125 | 18 | 143 |
| **Total** | **0** | **0** | **0** | **1** | **425** | **2,135** | **17,146** | **125** | **18** | **143** |
| **PAD District V** | | | | | | | | | | |
| **Arab OPEC** | **0** | **0** | **0** | **0** | **3,073** | **3,073** | **16,934** | **116** | **26** | **141** |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 5,393 | 45 | 0 | 45 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 4,462 | 37 | 0 | 37 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 3,073 | 3,073 | 6,480 | 28 | 26 | 54 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 599 | 5 | 0 | 5 |
| **Other OPEC** | **0** | **0** | **0** | **0** | **658** | **1,754** | **7,322** | **46** | **15** | **61** |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 733 | 4,664 | 33 | 6 | 39 |
| Venezuela | 0 | 0 | 0 | 0 | 658 | 1,021 | 2,658 | 14 | 9 | 22 |
| **Non OPEC** | **75** | **0** | **0** | **0** | **2,435** | **6,225** | **43,025** | **307** | **52** | **359** |
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 2,453 | 20 | 0 | 20 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 2,700 | 23 | 0 | 23 |
| Canada | 0 | 0 | 0 | 0 | 2,158 | 2,454 | 16,741 | 119 | 20 | 140 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 3,299 | 27 | 0 | 27 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 5,215 | 43 | 0 | 43 |
| Korea, Republic of | 75 | 0 | 0 | 0 | 112 | 999 | 999 | 0 | 8 | 8 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 1,039 | 2,066 | 9 | 9 | 17 |
| Mexico | 0 | 0 | 0 | 0 | 6 | 6 | 2,416 | 20 | (s) | 20 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 289 | 289 | 0 | 2 | 2 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 4 | 0 | 4 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 3,307 | 28 | 0 | 28 |
| Singapore | 0 | 0 | 0 | 0 | 159 | 1,438 | 1,438 | 0 | 12 | 12 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 1,593 | 13 | 0 | 13 |
| **Total** | **75** | **0** | **0** | **0** | **6,166** | **11,052** | **67,281** | **469** | **92** | **561** |
| **Persian Gulf** [e] | **0** | **0** | **0** | **0** | **3,073** | **3,073** | **16,934** | **116** | **26** | **141** |

[a] Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.
[b] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[c] Includes aviation gasoline, aviation gasoline blending components, miscellaneous products, other hydrocarbons and oxygenates, pentanes plus, petroleum coke, and waxes.
[d] Formerly Zaire.
[e] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

## Table 45. Exports of Crude Oil and Petroleum Products by PAD District, April 1998
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | | Daily Average |
|---|---|---|---|---|---|---|---|
| | I | II | III | IV | V | U.S. Total | |
| **Crude Oil**[a] | **0** | **2,483** | **0** | **0** | **2,405** | **4,888** | **163** |
| **Natural Gas Liquids** | **67** | **702** | **294** | **5** | **557** | **1,625** | **54** |
| Pentanes Plus | 2 | 438 | 0 | 5 | 0 | 445 | 15 |
| Liquefied Petroleum Gases | 65 | 264 | 294 | 0 | 557 | 1,181 | 39 |
| Ethane/Ethylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane/Propylene | 43 | 74 | 192 | 0 | 345 | 655 | 22 |
| Normal Butane/Butylene | 22 | 190 | 102 | 0 | 211 | 526 | 18 |
| Isobutane/Isobutylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other Liquids** | **1** | **0** | **365** | **0** | **(s)** | **366** | **12** |
| Other Hydrocarbons/Oxygenates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blend. Comp. | 1 | 0 | 365 | 0 | (s) | 366 | 12 |
| **Finished Petroleum Products** | **718** | **300** | **16,125** | **14** | **6,833** | **23,991** | **800** |
| Finished Motor Gasoline | 6 | 17 | 2,043 | (s) | 360 | 2,426 | 81 |
| Naphtha-Type Jet Fuel | 2 | (s) | 0 | 0 | 0 | 2 | (s) |
| Kerosene-Type Jet Fuel | 2 | 10 | 443 | 0 | 501 | 957 | 32 |
| Kerosene | 1 | 1 | 50 | 0 | 6 | 58 | 2 |
| Distillate Fuel Oil | 77 | 22 | 4,195 | 0 | 1,291 | 5,585 | 186 |
| Residual Fuel Oil | 134 | 1 | 4,302 | 0 | 604 | 5,040 | 168 |
| Special Naphthas | 14 | 13 | 76 | (s) | 308 | 412 | 14 |
| Lubricants | 134 | 47 | 551 | 11 | 78 | 820 | 27 |
| Waxes | 15 | 20 | 44 | 2 | 9 | 90 | 3 |
| Petroleum Coke | 314 | 103 | 4,338 | (s) | 3,595 | 8,351 | 278 |
| Asphalt and Road Oil | 13 | 67 | 83 | 1 | 16 | 180 | 6 |
| Miscellaneous Products | 5 | (s) | (s) | 0 | 65 | 71 | 2 |
| **Total** | **786** | **3,485** | **16,784** | **19** | **9,794** | **30,870** | **1,029** |

[a] Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries. On December 6, 1991, the U.S. Department of Commerce approved a license to export 25,000 barrels per day of California heavy crude oil (less than 20 degrees API gravity) to Pacific Rim countries for one year.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

## Table 46. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-April 1998
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | | Daily Average |
|---|---|---|---|---|---|---|---|
| | I | II | III | IV | V | U.S. Total | |
| **Crude Oil**[a] | **1** | **8,853** | **0** | **0** | **11,766** | **20,621** | **172** |
| **Natural Gas Liquids** | **118** | **2,315** | **2,274** | **22** | **2,124** | **6,853** | **57** |
| Pentanes Plus | 6 | 1,264 | 0 | 21 | (s) | 1,291 | 11 |
| Liquefied Petroleum Gases | 112 | 1,051 | 2,274 | 2 | 2,123 | 5,562 | 46 |
| Ethane/Ethylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane/Propylene | 83 | 291 | 1,841 | 2 | 998 | 3,215 | 27 |
| Normal Butane/Butylene | 30 | 759 | 433 | 0 | 1,126 | 2,347 | 20 |
| Isobutane/Isobutylene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Other Liquids** | **1** | **(s)** | **1,742** | **0** | **100** | **1,844** | **15** |
| Other Hydrocarbons/Oxygenates | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blend. Comp. | 1 | (s) | 1,742 | 0 | 100 | 1,844 | 15 |
| **Finished Petroleum Products** | **4,577** | **1,745** | **58,582** | **47** | **25,458** | **90,409** | **753** |
| Finished Motor Gasoline | 249 | 104 | 11,070 | 3 | 2,193 | 13,618 | 113 |
| Naphtha-Type Jet Fuel | 213 | (s) | 14 | 0 | 6 | 233 | 2 |
| Kerosene-Type Jet Fuel | 344 | 212 | 1,710 | (s) | 1,437 | 3,702 | 31 |
| Kerosene | 8 | 10 | 52 | 0 | 28 | 98 | 1 |
| Distillate Fuel Oil | 514 | 203 | 10,368 | (s) | 4,819 | 15,905 | 133 |
| Residual Fuel Oil | 1,472 | 1 | 11,591 | 0 | 3,560 | 16,624 | 139 |
| Special Naphthas | 270 | 42 | 159 | 1 | 1,693 | 2,165 | 18 |
| Lubricants | 515 | 212 | 1,839 | 35 | 422 | 3,025 | 25 |
| Waxes | 82 | 76 | 129 | 3 | 35 | 324 | 3 |
| Petroleum Coke | 834 | 393 | 21,465 | (s) | 11,133 | 33,825 | 282 |
| Asphalt and Road Oil | 58 | 490 | 182 | 4 | 64 | 798 | 7 |
| Miscellaneous Products | 20 | 2 | 1 | 0 | 69 | 92 | 1 |
| **Total** | **4,698** | **12,913** | **62,598** | **69** | **39,449** | **119,727** | **998** |

[a] Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries. On December 6, 1991, the U.S. Department of Commerce approved a license to export 25,000 barrels per day of California heavy crude oil (less than 20 degrees API gravity) to Pacific Rim countries for one year.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

## Table 47. Exports of Crude Oil and Petroleum Products by Destination, April 1998
(Thousand Barrels)

| Destination | Crude Oil[a] | Pentanes Plus | Liquefied Petroleum Gases | Finished Motor Gasoline | Jet Fuel | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|---|---|---|---|---|---|---|---|---|
| Argentina | 0 | 0 | 0 | 0 | 199 | 0 | 277 | 0 |
| Australia | 0 | 0 | 1 | 0 | 0 | 1 | (s) | 0 |
| Bahama Islands | 0 | 0 | 19 | 79 | 36 | 0 | 107 | (s) |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium & Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) |
| Brazil | 0 | 0 | 0 | 0 | 0 | (s) | 275 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 2,484 | 445 | 317 | 107 | 426 | 1 | 137 | 192 |
| Chile | 0 | 0 | 0 | 87 | 0 | 0 | 27 | 0 |
| China, People's Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 150 | 0 |
| China, Taiwan | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Colombia | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 1 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 616 | 0 |
| Denmark | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dominican Republic | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 90 |
| Ecuador | 0 | 0 | 76 | 220 | 0 | 0 | 420 | 0 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| El Salvador | 0 | 0 | 0 | 54 | 9 | 0 | 306 | 0 |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| French Pacific Islands | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 0 |
| Germany, FR | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Guatemala | 0 | 0 | (s) | 275 | 38 | 0 | 282 | 0 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Honduras | 0 | 0 | 0 | 74 | 19 | 0 | 175 | 216 |
| Hong Kong | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| Italy | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 |
| Jamaica | 0 | 0 | 23 | (s) | 20 | 0 | (s) | 694 |
| Japan | 0 | 0 | 114 | 3 | 0 | 0 | 12 | 46 |
| Korea, Republic of | 2,404 | 0 | 5 | 0 | 0 | 0 | 1 | 0 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Mexico | 0 | 0 | 534 | 1,176 | 87 | 53 | 902 | 2,437 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 865 |
| New Zealand | 0 | 0 | (s) | (s) | (s) | 0 | (s) | 0 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Panama | 0 | 0 | (s) | 0 | 123 | 0 | 842 | 292 |
| Peru | 0 | 0 | 0 | 40 | 0 | 0 | 181 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poland | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | (s) | 51 | 0 |
| Russia | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 1 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Singapore | 0 | 0 | 0 | 268 | 0 | 0 | 158 | 105 |
| South Africa | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Suriname | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sweden | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 102 |
| Trinidad and Tobago | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Turkey | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 16 | 40 | (s) | 0 | 129 | 0 |
| **Total** | **4,888** | **445** | **1,181** | **2,426** | **959** | **58** | **5,585** | **5,040** |

See footnotes at end of table.

## Table 47. Exports of Crude Oil and Petroleum Products by Destination, April 1998 (Continued)
(Thousand Barrels)

| Destination | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt and Road Oil | Other Products[b] | Crude Oil and Products | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total | Daily Average |
| Argentina | (s) | 6 | (s) | 0 | (s) | 0 | 482 | 16 |
| Australia | 0 | 3 | (s) | 116 | (s) | (s) | 120 | 4 |
| Bahama Islands | 0 | 3 | 0 | 0 | 0 | 0 | 244 | 8 |
| Bahrain | 0 | 0 | 0 | 98 | 0 | 0 | 98 | 3 |
| Belgium & Luxembourg | (s) | 54 | (s) | 1,065 | (s) | 0 | 1,121 | 37 |
| Brazil | 0 | 98 | (s) | 232 | (s) | 0 | 606 | 20 |
| Cameroon | 0 | (s) | 0 | 40 | 0 | 0 | 40 | 1 |
| Canada | 18 | 126 | 31 | 594 | 81 | 1 | 4,961 | 165 |
| Chile | 0 | 28 | (s) | (s) | 0 | (s) | 142 | 5 |
| China, People's Republic of | (s) | 6 | (s) | 0 | (s) | 0 | 157 | 5 |
| China, Taiwan | (s) | 16 | (s) | 1 | (s) | (s) | 20 | 1 |
| Colombia | 2 | 4 | 1 | 0 | (s) | 1 | 80 | 3 |
| Costa Rica | (s) | 9 | 1 | 0 | 35 | (s) | 662 | 22 |
| Denmark | 0 | 0 | (s) | 162 | 0 | 0 | 162 | 5 |
| Dominican Republic | (s) | 16 | (s) | 0 | 0 | 0 | 208 | 7 |
| Ecuador | 0 | 51 | 0 | 0 | 0 | 141 | 907 | 30 |
| Egypt | 0 | 2 | 0 | 0 | (s) | 0 | 2 | (s) |
| El Salvador | (s) | 6 | 0 | 0 | 0 | 0 | 376 | 13 |
| Finland | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| France | (s) | 4 | 21 | 318 | 0 | 0 | 344 | 11 |
| French Pacific Islands | (s) | (s) | 0 | 0 | 0 | 0 | 21 | 1 |
| Germany, FR | (s) | 4 | 9 | 13 | 4 | (s) | 32 | 1 |
| Ghana | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Greece | 0 | 2 | 0 | 204 | 0 | (s) | 207 | 7 |
| Guatemala | 1 | 11 | (s) | 0 | 0 | 0 | 607 | 20 |
| Guinea | 0 | 2 | 0 | 0 | 0 | 0 | 2 | (s) |
| Honduras | (s) | 9 | (s) | 0 | 0 | 0 | 493 | 16 |
| Hong Kong | (s) | 5 | 1 | 0 | 0 | 0 | 7 | (s) |
| India | 0 | 58 | (s) | 0 | 4 | 0 | 82 | 3 |
| Indonesia | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Ireland | 0 | (s) | (s) | 0 | 0 | (s) | (s) | (s) |
| Israel | 0 | 1 | 0 | 0 | 2 | 0 | 6 | (s) |
| Italy | (s) | 34 | 1 | 915 | 0 | 0 | 950 | 32 |
| Jamaica | 6 | 5 | 0 | 0 | 12 | (s) | 762 | 25 |
| Japan | 317 | 26 | 2 | 1,305 | 1 | 1 | 1,827 | 61 |
| Korea, Republic of | (s) | 1 | (s) | 406 | 1 | (s) | 2,818 | 94 |
| Malaysia | (s) | 1 | (s) | 3 | 0 | 0 | 5 | (s) |
| Mexico | 56 | 110 | 17 | 217 | 23 | 286 | 5,899 | 197 |
| Netherlands | 1 | 4 | (s) | 595 | 7 | (s) | 608 | 20 |
| Netherlands Antilles | 0 | 1 | (s) | 0 | 0 | 0 | 1,047 | 35 |
| New Zealand | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Nigeria | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Norway | 0 | (s) | 0 | 52 | 0 | 0 | 52 | 2 |
| Panama | 0 | 5 | (s) | (s) | 0 | 1 | 1,264 | 42 |
| Peru | 3 | 1 | (s) | 1 | 0 | 1 | 227 | 8 |
| Philippines | 0 | 1 | 1 | 0 | 0 | (s) | 2 | (s) |
| Poland | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) |
| Portugal | 0 | (s) | 0 | 92 | 0 | 0 | 92 | 3 |
| Puerto Rico | 3 | 24 | 1 | 0 | 0 | (s) | 79 | 3 |
| Russia | 0 | 7 | 0 | 0 | 0 | 0 | 12 | (s) |
| Saudi Arabia | 0 | 1 | 0 | 0 | 0 | 1 | 1 | (s) |
| Singapore | 0 | 4 | (s) | 0 | (s) | 0 | 535 | 18 |
| South Africa | 0 | 1 | 0 | 83 | (s) | 0 | 84 | 3 |
| Spain | 0 | (s) | (s) | 535 | (s) | 2 | 537 | 18 |
| Suriname | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Sweden | 0 | 1 | (s) | 403 | 0 | (s) | 406 | 14 |
| Switzerland | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Thailand | (s) | 2 | 0 | (s) | (s) | 1 | 304 | 10 |
| Trinidad and Tobago | 0 | 1 | 0 | (s) | 0 | (s) | 2 | (s) |
| Turkey | 0 | 33 | (s) | 223 | (s) | 0 | 258 | 9 |
| United Arab Emirates | 0 | 1 | 0 | 79 | (s) | (s) | 80 | 3 |
| United Kingdom | (s) | 4 | 1 | 482 | 3 | (s) | 495 | 17 |
| Uruguay | 0 | 2 | 0 | 0 | 0 | 0 | 2 | (s) |
| Venezuela | 0 | 3 | (s) | 116 | (s) | 0 | 119 | 4 |
| Virgin Islands | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Yugoslavia | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Other | 2 | 16 | (s) | 0 | 3 | (s) | 207 | 7 |
| **Total** | **412** | **820** | **90** | **8,351** | **180** | **437** | **30,870** | **1,029** |

[a] Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries. On December 6, 1991, the U.S. Department of Commerce approved a license to export 25,000 barrels per day of California heavy crude oil (less than 20 degrees API gravity) to Pacific Rim countries for one year.

[b] Includes miscellaneous products, motor gasoline blending components, and other hydrocarbons and oxygenates.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report" and the U.S. Bureau of the Census.

## Table 48. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 1998
(Thousand Barrels)

| Destination | Crude Oil[a] | Pentanes Plus | Liquefied Petroleum Gases | Finished Motor Gasoline | Jet Fuel | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|---|---|---|---|---|---|---|---|---|
| Argentina | 0 | 0 | (s) | 1 | 199 | 0 | 284 | 1 |
| Australia | 0 | 0 | 7 | (s) | 0 | 1 | 5 | 0 |
| Bahama Islands | 0 | 0 | 41 | 160 | 83 | 1 | 314 | 279 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Belgium & Luxembourg | 0 | 0 | 0 | (s) | 0 | 0 | 4 | (s) |
| Brazil | 0 | 0 | (s) | 0 | 82 | (s) | 776 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 8,855 | 1,289 | 1,201 | 588 | 1,696 | 17 | 931 | 1,701 |
| Chile | 0 | 0 | (s) | 87 | 0 | 0 | 55 | 0 |
| China, People's Republic of | 2,972 | 0 | (s) | 0 | 0 | 0 | 1,038 | 295 |
| China, Taiwan | 1,291 | 0 | (s) | 0 | 0 | 1 | 15 | 0 |
| Colombia | 0 | 0 | 194 | 0 | 0 | 0 | 1 | 1 |
| Costa Rica | 0 | 0 | 0 | 0 | 37 | 0 | 810 | 3 |
| Denmark | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dominican Republic | 0 | 0 | 148 | 0 | 0 | 0 | 105 | 480 |
| Ecuador | 0 | 0 | 76 | 416 | 0 | 0 | 1,285 | 0 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| El Salvador | 0 | 1 | 0 | 201 | 34 | 0 | 855 | 0 |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | 1 | 3 |
| French Pacific Islands | 0 | (s) | 0 | 0 | 0 | 0 | 61 | 0 |
| Germany, FR | 0 | 0 | (s) | 0 | (s) | 0 | 4 | 0 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Guatemala | 0 | 0 | (s) | 969 | 96 | (s) | 982 | 0 |
| Guinea | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 0 |
| Honduras | 0 | 0 | 0 | 304 | 72 | 0 | 720 | 316 |
| Hong Kong | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ireland | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Israel | 0 | 0 | 5 | (s) | 771 | 0 | 12 | 0 |
| Italy | 0 | (s) | 0 | 1 | 0 | (s) | (s) | 310 |
| Jamaica | 0 | 0 | 29 | (s) | 44 | 0 | 5 | 2,856 |
| Japan | 1,885 | 0 | 114 | 3 | 0 | 0 | 83 | 112 |
| Korea, Republic of | 5,614 | 0 | 5 | 0 | 0 | (s) | 101 | 43 |
| Malaysia | 0 | 0 | (s) | 0 | 0 | 0 | 11 | 0 |
| Mexico | 0 | 0 | 3,665 | 9,014 | 199 | 70 | 2,022 | 6,546 |
| Netherlands | 0 | 0 | (s) | 0 | 0 | 0 | 3 | 412 |
| Netherlands Antilles | 0 | 0 | 0 | 533 | 0 | 0 | 313 | 1,226 |
| New Zealand | 0 | 0 | (s) | (s) | (s) | 0 | (s) | 0 |
| Nigeria | 0 | 0 | 1 | 318 | 0 | 0 | 296 | 240 |
| Norway | 0 | 0 | 2 | 0 | 0 | 0 | 0 | (s) |
| Panama | 0 | 0 | 25 | 257 | 294 | 0 | 2,756 | 934 |
| Peru | 0 | 0 | 0 | 40 | 0 | 0 | 405 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Poland | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Portugal | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Puerto Rico | 0 | (s) | 0 | 0 | 205 | (s) | 165 | (s) |
| Russia | 0 | 0 | 1 | 143 | 97 | 2 | 58 | 4 |
| Saudi Arabia | 0 | 0 | (s) | 0 | (s) | 1 | 1 | 1 |
| Singapore | 0 | 0 | 3 | 268 | 0 | 0 | 284 | 349 |
| South Africa | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 0 |
| Suriname | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Sweden | 0 | 0 | 0 | 1 | 0 | 0 | 4 | 0 |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thailand | 0 | (s) | 0 | 0 | 0 | 0 | 371 | 167 |
| Trinidad and Tobago | 0 | 0 | 2 | 150 | 0 | 0 | 76 | 0 |
| Turkey | 0 | 0 | 0 | 2 | 0 | (s) | 1 | 0 |
| United Arab Emirates | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 0 |
| United Kingdom | 0 | (s) | 12 | (s) | 0 | 1 | 13 | 0 |
| Uruguay | 0 | 0 | 0 | 0 | 1 | 0 | (s) | 0 |
| Venezuela | 0 | 0 | 2 | 25 | 0 | 0 | 292 | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 4 | 0 | 25 | 135 | 24 | 1 | 212 | 343 |
| **Total** | **20,621** | **1,291** | **5,562** | **13,618** | **3,935** | **98** | **15,905** | **16,624** |

See footnotes at end of table.

## Table 48. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 1998 (Continued)

(Thousand Barrels)

| Destination | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt and Road Oil | Other Products[b] | Crude Oil and Products | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | Total | Daily Average |
| Argentina | 15 | 23 | 1 | 1 | 1 | (s) | 526 | 4 |
| Australia | 1 | 20 | 3 | 1,014 | 2 | (s) | 1,053 | 9 |
| Bahama Islands | 0 | 10 | 0 | 0 | 1 | (s) | 889 | 7 |
| Bahrain | (s) | (s) | 0 | 393 | (s) | 0 | 393 | 3 |
| Belgium & Luxembourg | (s) | 87 | (s) | 2,098 | (s) | (s) | 2,191 | 18 |
| Brazil | 10 | 136 | 1 | 490 | 1 | 0 | 1,495 | 12 |
| Cameroon | 0 | (s) | 0 | 40 | 0 | 0 | 40 | (s) |
| Canada | 252 | 492 | 134 | 1,504 | 551 | 105 | 19,316 | 161 |
| Chile | 3 | 87 | 1 | 272 | 0 | (s) | 505 | 4 |
| China, People's Republic of | 3 | 22 | (s) | 0 | (s) | (s) | 4,330 | 36 |
| China, Taiwan | 6 | 111 | 2 | 7 | 1 | 1 | 1,436 | 12 |
| Colombia | 6 | 69 | 2 | 0 | 1 | 2 | 275 | 2 |
| Costa Rica | 1 | 38 | 1 | 0 | 59 | (s) | 949 | 8 |
| Denmark | 0 | (s) | 1 | 334 | 0 | 0 | 335 | 3 |
| Dominican Republic | 2 | 58 | 1 | 1 | 0 | 1 | 796 | 7 |
| Ecuador | 220 | 60 | (s) | 0 | 0 | 547 | 2,604 | 22 |
| Egypt | 1 | 7 | 0 | 0 | (s) | 0 | 9 | (s) |
| El Salvador | (s) | 20 | (s) | 0 | 0 | 0 | 1,111 | 9 |
| Finland | 0 | 5 | (s) | 0 | 0 | 0 | 5 | (s) |
| France | 1 | 8 | 26 | 1,532 | 0 | 0 | 1,571 | 13 |
| French Pacific Islands | (s) | 1 | 0 | 0 | 0 | 0 | 62 | 1 |
| Germany, FR | 1 | 9 | 29 | 55 | 14 | 1 | 113 | 1 |
| Ghana | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Greece | 0 | 8 | (s) | 230 | 0 | (s) | 241 | 2 |
| Guatemala | 3 | 78 | 2 | 0 | 0 | (s) | 2,130 | 18 |
| Guinea | 0 | 6 | 0 | 0 | 0 | 0 | 7 | (s) |
| Honduras | 2 | 34 | (s) | 0 | 0 | (s) | 1,449 | 12 |
| Hong Kong | 1 | 24 | 2 | 0 | 0 | (s) | 36 | (s) |
| India | (s) | 142 | 1 | 2 | 9 | (s) | 174 | 1 |
| Indonesia | 0 | 2 | (s) | 83 | 0 | 0 | 85 | 1 |
| Ireland | (s) | (s) | 1 | 151 | 0 | (s) | 153 | 1 |
| Israel | 0 | 12 | (s) | 528 | 2 | (s) | 1,330 | 11 |
| Italy | (s) | 36 | 2 | 4,274 | (s) | 0 | 4,625 | 39 |
| Jamaica | 17 | 12 | 0 | 77 | 12 | (s) | 3,054 | 25 |
| Japan | 1,477 | 97 | 12 | 4,802 | 4 | 4 | 8,594 | 72 |
| Korea, Republic of | (s) | 9 | 1 | 808 | 2 | 1 | 6,584 | 55 |
| Malaysia | (s) | 6 | (s) | 5 | (s) | (s) | 24 | (s) |
| Mexico | 70 | 520 | 85 | 671 | 100 | 1,257 | 24,221 | 202 |
| Netherlands | 4 | 23 | 1 | 2,777 | 16 | 1 | 3,237 | 27 |
| Netherlands Antilles | 0 | 189 | (s) | 0 | 0 | 0 | 2,262 | 19 |
| New Zealand | 0 | 6 | (s) | 176 | (s) | 0 | 183 | 2 |
| Nigeria | 0 | 29 | 0 | 24 | 0 | 0 | 908 | 8 |
| Norway | 0 | 1 | (s) | 103 | 0 | 0 | 106 | 1 |
| Panama | 0 | 38 | (s) | (s) | 0 | 1 | 4,306 | 36 |
| Peru | 3 | 8 | 1 | 2 | (s) | 2 | 460 | 4 |
| Philippines | 0 | 9 | 3 | 2 | 0 | (s) | 14 | (s) |
| Poland | 0 | (s) | 0 | 0 | 0 | 0 | 1 | (s) |
| Portugal | (s) | (s) | 0 | 92 | 0 | 0 | 93 | 1 |
| Puerto Rico | 29 | 79 | 1 | 0 | (s) | 1 | 482 | 4 |
| Russia | 0 | 26 | (s) | 0 | (s) | 0 | 330 | 3 |
| Saudi Arabia | 0 | 5 | (s) | 0 | 0 | 1 | 9 | (s) |
| Singapore | 0 | 100 | (s) | 1 | 1 | 0 | 1,006 | 8 |
| South Africa | (s) | 50 | (s) | 320 | (s) | (s) | 371 | 3 |
| Spain | (s) | 2 | 1 | 4,347 | 1 | 3 | 4,496 | 37 |
| Suriname | 0 | 4 | (s) | 0 | 0 | 0 | 4 | (s) |
| Sweden | 0 | 4 | 1 | 733 | 0 | (s) | 744 | 6 |
| Switzerland | 9 | 1 | (s) | 0 | (s) | 0 | 10 | (s) |
| Thailand | 11 | 44 | (s) | (s) | 1 | 1 | 597 | 5 |
| Trinidad and Tobago | 1 | 5 | (s) | 1 | 0 | (s) | 235 | 2 |
| Turkey | (s) | 34 | (s) | 2,601 | (s) | (s) | 2,640 | 22 |
| United Arab Emirates | (s) | 8 | (s) | 288 | 1 | (s) | 299 | 2 |
| United Kingdom | 1 | 13 | 2 | 1,778 | 7 | (s) | 1,829 | 15 |
| Uruguay | 0 | 6 | (s) | 0 | 0 | 0 | 7 | (s) |
| Venezuela | (s) | 20 | 2 | 459 | 5 | 1 | 805 | 7 |
| Virgin Islands | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Yugoslavia | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Other | 11 | 70 | 1 | 747 | 6 | 1 | 1,580 | 13 |
| **Total** | **2,165** | **3,025** | **324** | **33,825** | **798** | **1,935** | **119,727** | **998** |

[a] Crude oil exports are restricted to: (1) crude oil derived from fields under the State waters of Alaska's Cook Inlet; (2) Alaskan North Slope crude oil; (3) certain domestically produced crude oil destined for Canada; (4) shipments to U.S. territories; and (5) California crude oil to Pacific Rim countries. On December 6, 1991, the U.S. Department of Commerce approved a license to export 25,000 barrels per day of California heavy crude oil (less than 20 degrees API gravity) to Pacific Rim countries for one year.

[b] Includes miscellaneous products, motor gasoline blending components, and other hydrocarbons and oxygenates.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Totals may not equal sum of components due to independent rounding.

## Table 49. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 1998

(Thousand Barrels per Day)

| Country | Crude Oil[a] | Liquefied Petroleum Gases | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Petroleum Coke | Lubricants | Other Products[b] | Total Products | Total Crude Oil and Products |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **1,821** | **102** | **17** | **0** | **1** | **43** | **-3** | **(s)** | **337** | **498** | **2,319** |
| Algeria | 0 | 63 | 0 | 0 | 0 | 32 | 0 | 0 | 240 | 335 | 335 |
| Iraq | 233 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 233 |
| Kuwait | 262 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 262 |
| Saudi Arabia | 1,305 | 38 | 17 | 0 | 1 | 11 | 0 | (s) | 97 | 165 | 1,470 |
| United Arab Emirates | 20 | 0 | 0 | 0 | 0 | 0 | -3 | (s) | (s) | -3 | 17 |
| **Other OPEC** | **2,132** | **0** | **33** | **34** | **56** | **74** | **-4** | **(s)** | **114** | **307** | **2,439** |
| Indonesia | 26 | 0 | 0 | 0 | 0 | 18 | 0 | (s) | 0 | 18 | 44 |
| Nigeria | 772 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 772 |
| Venezuela | 1,334 | 0 | 33 | 34 | 56 | 56 | -4 | (s) | 114 | 289 | 1,622 |
| **Non OPEC** | **4,407** | **93** | **122** | **-6** | **-54** | **-64** | **-270** | **-22** | **404** | **204** | **4,611** |
| Angola | 452 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 452 |
| Argentina | 80 | 0 | 0 | -7 | -9 | 0 | 0 | (s) | 22 | 6 | 86 |
| Australia | 14 | (s) | 0 | 0 | (s) | 0 | -4 | (s) | 48 | 44 | 58 |
| Bahama Islands | 0 | -1 | -3 | -1 | -4 | (s) | 0 | (s) | 0 | -8 | -8 |
| Belgium & Luxembourg | 0 | 0 | 1 | 0 | (s) | (s) | -36 | -2 | 48 | 11 | 11 |
| Brazil | 0 | 0 | 9 | 0 | -9 | 0 | -8 | -3 | 1 | -9 | -9 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 5 | 5 | 5 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | -1 | (s) | 0 | -1 | -1 |
| Canada | 1,156 | 108 | 43 | -14 | 62 | 2 | -18 | 1 | 40 | 224 | 1,381 |
| China, People's Republic of | 36 | 0 | 0 | 0 | -5 | 0 | 0 | (s) | (s) | -5 | 31 |
| China, Taiwan | 0 | 0 | 0 | 0 | (s) | 0 | (s) | -1 | (s) | -1 | -1 |
| Colombia | 348 | -2 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | -3 | 345 |
| Congo (Brazzaville) | 31 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 31 |
| Congo (Kinshasa)[c] | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| Ecuador | 81 | -3 | -7 | 0 | -14 | 7 | 0 | -2 | -5 | -24 | 57 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| France | 0 | 0 | 8 | 0 | (s) | 0 | -11 | (s) | 43 | 41 | 41 |
| Gabon | 256 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 256 |
| Germany, FR | 0 | 0 | (s) | 0 | (s) | 12 | (s) | (s) | (s) | 12 | 12 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | -7 | (s) | (s) | -7 | -7 |
| Guatemala | 21 | (s) | -9 | -1 | -9 | 0 | 0 | (s) | (s) | -20 | 1 |
| India | 0 | 0 | 0 | 0 | -1 | 0 | 0 | -2 | (s) | -3 | -3 |
| Italy | 0 | 0 | 0 | 0 | 0 | 0 | -31 | -1 | 2 | -30 | -30 |
| Jamaica | 0 | -1 | (s) | -1 | (s) | -23 | 0 | (s) | -1 | -25 | -25 |
| Japan | 0 | -4 | (s) | 0 | (s) | -2 | -44 | -1 | -11 | -61 | -61 |
| Korea, Republic of | -80 | (s) | 0 | 6 | (s) | 5 | -14 | (s) | 10 | 7 | -73 |
| Malaysia | 13 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | 16 | 16 | 29 |
| Mexico | 1,444 | -18 | -39 | -3 | -30 | -81 | -7 | -4 | 15 | -167 | 1,277 |
| Netherlands | 0 | 0 | 8 | 0 | (s) | 15 | -20 | (s) | 13 | 15 | 15 |
| Netherlands Antilles | 0 | 0 | 0 | 7 | -6 | -15 | 0 | (s) | 42 | 28 | 28 |
| Norway | 232 | 0 | 0 | 0 | 0 | 0 | -2 | (s) | 0 | -2 | 230 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Panama | 0 | (s) | 0 | -4 | -28 | -10 | (s) | (s) | (s) | -42 | -42 |
| Peru | 38 | 0 | -1 | 0 | -6 | 0 | (s) | (s) | (s) | -8 | 31 |
| Puerto Rico | 0 | 0 | 0 | 0 | -2 | 0 | 0 | -1 | 4 | 1 | 1 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Russia | 0 | 0 | (s) | 0 | (s) | (s) | 0 | (s) | (s) | (s) | (s) |
| Syria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Spain | 0 | 0 | 0 | 0 | (s) | 0 | -18 | (s) | 9 | -9 | -9 |
| Sweden | 0 | 0 | (s) | 0 | (s) | 0 | -13 | (s) | (s) | -14 | -14 |
| Thailand | 0 | 0 | 0 | 0 | -7 | -3 | (s) | (s) | (s) | -10 | -10 |
| Trinidad and Tobago | 48 | (s) | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) | 47 |
| Turkey | 0 | 0 | (s) | 0 | 0 | 0 | -7 | -1 | 6 | -2 | -2 |
| United Kingdom | 154 | 13 | (s) | 0 | (s) | 0 | -16 | (s) | 56 | 53 | 207 |
| Virgin Islands | 0 | 0 | 121 | 13 | 66 | 44 | 0 | (s) | 28 | 272 | 272 |
| Other | 41 | -1 | -9 | -1 | -51 | -14 | -15 | -3 | 12 | -82 | -41 |
| **Total** | **8,360** | **195** | **172** | **28** | **3** | **53** | **-277** | **-22** | **855** | **1,008** | **9,369** |
| **Persian Gulf**[d] | **1,821** | **38** | **17** | **0** | **1** | **11** | **-6** | **(s)** | **97** | **159** | **1,980** |

[a] Includes crude oil imported for storage in the Strategic Petroleum Reserve.

[b] Includes asphalt and road oil, aviation gasoline, aviation gasoline blending components, kerosene, miscellaneous products, motor gasoline blending components, naphtha for petrochemical feedstock use, other hydrocarbons and oxygenates, other oils for petrochemical feedstock use, pentanes plus, special naphthas, unfinished oils, and waxes.

[c] Formerly Zaire.

[d] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

(s) = Less than 500 barrels per day.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-814, "Monthly Imports Report" and the U.S. Bureau of the Census.

## Table 50. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 1998

(Thousand Barrels per Day)

| Country | Crude Oil[a] | Liquefied Petroleum Gases | Finished Motor Gasoline | Jet Fuel | Distillate Fuel Oil | Residual Fuel Oil | Petroleum Coke | Lubricants | Other Products[b] | Total Products | Total Crude Oil and Products |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Arab OPEC** | **1,731** | **65** | **26** | **(s)** | **1** | **46** | **-2** | **(s)** | **275** | **410** | **2,141** |
| Algeria | 7 | 55 | 0 | 0 | 0 | 35 | 0 | 0 | 197 | 287 | 295 |
| Iraq | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| Kuwait | 261 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 261 |
| Qatar | 4 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 4 |
| Saudi Arabia | 1,349 | 10 | 26 | (s) | 1 | 11 | 0 | (s) | 78 | 125 | 1,475 |
| United Arab Emirates | 8 | (s) | 0 | 0 | (s) | 0 | -2 | (s) | (s) | -2 | 6 |
| **Other OPEC** | **2,047** | **13** | **35** | **38** | **39** | **46** | **-5** | **(s)** | **142** | **309** | **2,357** |
| Indonesia | 33 | 0 | 0 | 0 | 0 | 5 | -1 | (s) | 1 | 5 | 38 |
| Nigeria | 687 | (s) | -3 | 0 | -2 | -1 | (s) | (s) | 0 | -6 | 681 |
| Venezuela | 1,328 | 13 | 38 | 38 | 42 | 41 | -4 | (s) | 141 | 310 | 1,638 |
| **Non OPEC** | **4,172** | **101** | **100** | **9** | **22** | **-28** | **-273** | **-17** | **313** | **226** | **4,399** |
| Angola | 398 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 398 |
| Argentina | 82 | (s) | 2 | -2 | -2 | (s) | (s) | (s) | 10 | 8 | 90 |
| Australia | 23 | (s) | (s) | 0 | (s) | 0 | -8 | (s) | 17 | 9 | 31 |
| Bahama Islands | 0 | (s) | -1 | -1 | -3 | -2 | 0 | (s) | (s) | -7 | -7 |
| Belgium & Luxembourg | 0 | 0 | 2 | 0 | (s) | (s) | -17 | -1 | 24 | 8 | 8 |
| Brazil | 0 | (s) | 3 | -1 | -6 | 5 | -4 | -1 | 4 | -1 | -1 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | 1 | 1 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 2 | (s) | (s) | 0 | 1 | 1 |
| Canada | 1,190 | 130 | 54 | -14 | 57 | 3 | -11 | -1 | 30 | 247 | 1,437 |
| China, People's Republic of | 20 | (s) | 0 | 0 | -9 | -2 | 0 | (s) | (s) | -11 | 8 |
| China, Taiwan | -11 | (s) | 0 | 0 | (s) | 0 | (s) | -1 | (s) | -1 | -12 |
| Colombia | 282 | -2 | 0 | 0 | (s) | (s) | 0 | -1 | 2 | -1 | 281 |
| Congo (Brazzaville) | 46 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 46 |
| Congo (Kinshasa)[c] | 19 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 19 |
| Ecuador | 84 | -1 | -3 | 0 | -11 | 2 | 0 | -1 | -6 | -20 | 63 |
| Egypt | 11 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | (s) | (s) | 12 |
| France | 0 | (s) | 13 | 0 | (s) | (s) | -13 | (s) | 29 | 30 | 30 |
| Gabon | 270 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 270 |
| Germany, FR | 0 | (s) | (s) | (s) | (s) | 13 | (s) | (s) | 3 | 16 | 16 |
| Greece | 0 | 0 | 0 | 0 | (s) | 0 | -2 | (s) | (s) | -2 | -2 |
| Guatemala | 22 | (s) | -8 | -1 | -8 | 0 | 0 | -1 | (s) | -18 | 4 |
| India | 0 | 0 | 0 | 0 | (s) | 0 | (s) | -1 | (s) | -1 | -1 |
| Italy | 0 | 0 | 1 | 0 | (s) | 2 | -36 | (s) | 6 | -27 | -27 |
| Jamaica | 0 | (s) | (s) | (s) | (s) | -24 | -1 | (s) | (s) | -25 | -25 |
| Japan | -16 | -1 | (s) | 0 | -1 | -1 | -40 | -1 | -12 | -56 | -71 |
| Korea, Republic of | -47 | (s) | 0 | 3 | -1 | 1 | -7 | (s) | 4 | (s) | -47 |
| Malaysia | 20 | (s) | 0 | 0 | (s) | 0 | (s) | (s) | 9 | 8 | 29 |
| Mexico | 1,327 | -31 | -75 | -1 | -17 | -55 | -6 | -4 | 8 | -179 | 1,148 |
| Netherlands | 0 | (s) | 5 | 0 | (s) | (s) | -23 | (s) | 7 | -11 | -11 |
| Netherlands Antilles | 8 | 0 | -4 | 16 | -3 | -1 | 0 | -2 | 48 | 54 | 62 |
| Norway | 202 | (s) | 2 | 0 | 0 | (s) | -1 | (s) | 3 | 5 | 207 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 4 | 4 | 4 |
| Panama | 0 | (s) | -2 | -2 | -23 | -8 | (s) | (s) | (s) | -36 | -36 |
| Peru | 45 | 0 | (s) | 0 | -3 | 0 | (s) | (s) | (s) | -4 | 41 |
| Puerto Rico | 0 | 0 | 0 | -2 | -1 | (s) | 0 | 4 | 7 | 8 | 8 |
| Romania | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | (s) | (s) | (s) |
| Russia | 0 | (s) | 2 | -1 | (s) | (s) | 0 | (s) | 1 | 1 | 1 |
| Syria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Spain | 0 | 0 | 4 | 0 | -1 | 0 | -36 | (s) | 5 | -28 | -28 |
| Sweden | 0 | 0 | (s) | 0 | (s) | 0 | -6 | (s) | 2 | -4 | -4 |
| Thailand | 0 | 0 | 0 | 0 | -3 | -1 | (s) | (s) | (s) | -5 | -5 |
| Trinidad and Tobago | 54 | (s) | -1 | 0 | -1 | 0 | (s) | (s) | 1 | -1 | 53 |
| Turkey | 0 | 0 | (s) | 0 | (s) | 0 | -22 | (s) | 2 | -20 | -20 |
| United Kingdom | 120 | 7 | (s) | 0 | (s) | 4 | -15 | (s) | 48 | 45 | 165 |
| Virgin Islands | 0 | 0 | 103 | 21 | 85 | 49 | 0 | (s) | 38 | 296 | 296 |
| Other | 23 | -2 | 4 | -8 | -26 | -12 | -25 | -4 | 17 | -56 | -33 |
| **Total** | **7,950** | **179** | **161** | **47** | **63** | **64** | **-280** | **-18** | **730** | **946** | **8,896** |
| **Persian Gulf**[d] | **1,723** | **10** | **26** | **(s)** | **1** | **11** | **-6** | **(s)** | **78** | **120** | **1,843** |

[a] Includes crude oil imported for storage in the Strategic Petroleum Reserve.
[b] Includes asphalt and road oil, aviation gasoline, aviation gasoline blending components, kerosene, miscellaneous products, motor gasoline blending components, naphtha for petrochemical feedstock use, other hydrocarbons and oxygenates, other oils for petrochemical feedstock use, pentanes plus, special naphthas, unfinished oils, and waxes.
[c] Formerly Zaire.
[d] Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.
(s) = Less than 500 barrels per day.
Note: Totals may not equal sum of components due to independent rounding.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-814, "Monthly Imports Report" and the U.S. Bureau of the Census.

## Table 51. Stocks of Crude Oil and Petroleum Products by PAD District, April 1998
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | U. S. Total |
|---|---|---|---|---|---|---|
| | I | II | III | IV | V | |
| **Crude Oil** | **17,190** | **82,012** | **738,827** | **13,288** | **63,309** | **914,626** |
| Refinery | 16,106 | 13,472 | 52,263 | 2,131 | 23,215 | 107,187 |
| Tank Farms and Pipelines | 1,063 | 67,515 | 109,390 | 10,334 | 30,990 | 219,292 |
| Leases | 21 | 1,025 | 13,748 | 823 | 1,061 | 16,678 |
| Strategic Petroleum Reserve | 0 | 0 | 563,426 | 0 | 0 | 563,426 |
| Alaskan In Transit | 0 | 0 | 0 | 0 | 8,043 | 8,043 |
| **Total Stocks, All Oils (excluding Crude Oil)** | **164,418** | **169,151** | **255,654** | **17,711** | **92,429** | **699,363** |
| Refinery | 56,566 | 67,866 | 144,675 | 12,653 | 65,299 | 347,059 |
| Bulk Terminal | 79,469 | 62,136 | 63,249 | 2,282 | 19,638 | 226,774 |
| Pipeline | 28,340 | 37,736 | 46,050 | 2,459 | 7,403 | 121,988 |
| Natural Gas Processing Plant | 43 | 1,413 | 1,680 | 317 | 89 | 3,542 |
| **Pentanes Plus** | **16** | **1,492** | **4,704** | **199** | **30** | **6,441** |
| Refinery | 0 | 290 | 283 | 8 | 0 | 581 |
| Bulk Terminal | 12 | 657 | 2,592 | 2 | 8 | 3,271 |
| Pipeline | 0 | 462 | 1,279 | 64 | 0 | 1,805 |
| Natural Gas Processing Plant | 4 | 83 | 550 | 125 | 22 | 784 |
| **Liquefied Petroleum Gases** | **4,729** | **25,276** | **49,619** | **1,058** | **3,365** | **84,047** |
| Refinery | 1,671 | 2,791 | 10,146 | 356 | 1,300 | 16,264 |
| Bulk Terminal | 1,045 | 13,709 | 27,244 | 43 | 1,998 | 44,039 |
| Pipeline | 1,974 | 7,446 | 11,099 | 467 | 0 | 20,986 |
| Natural Gas Processing Plant | 39 | 1,330 | 1,130 | 192 | 67 | 2,758 |
| **Ethane/Ethylene** | **0** | **3,903** | **14,410** | **233** | **0** | **18,546** |
| Refinery | 0 | 3 | 750 | 0 | 0 | 753 |
| Bulk Terminal | 0 | 1,777 | 10,322 | 18 | 0 | 12,117 |
| Pipeline | 0 | 1,935 | 3,195 | 210 | 0 | 5,340 |
| Natural Gas Processing Plant | 0 | 188 | 143 | 5 | 0 | 336 |
| **Propane/Propylene** | **3,255** | **14,567** | **18,051** | **329** | **889** | **37,091** |
| Refinery | 342 | 1,312 | 3,576 | 65 | 99 | 5,394 |
| Bulk Terminal | 949 | 9,187 | 8,734 | 22 | 757 | 19,649 |
| Pipeline | 1,935 | 3,314 | 5,507 | 144 | 0 | 10,900 |
| Natural Gas Processing Plant | 29 | 754 | 234 | 98 | 33 | 1,148 |
| **Normal Butane/Butylene** | **1,053** | **4,578** | **11,577** | **332** | **2,010** | **19,550** |
| Refinery | 950 | 917 | 4,064 | 192 | 767 | 6,890 |
| Bulk Terminal | 96 | 1,928 | 5,451 | 3 | 1,222 | 8,700 |
| Pipeline | 0 | 1,416 | 1,678 | 73 | 0 | 3,167 |
| Natural Gas Processing Plant | 7 | 317 | 384 | 64 | 21 | 793 |
| **Isobutane/Isobutylene** | **421** | **2,228** | **5,581** | **164** | **466** | **8,860** |
| Refinery | 379 | 559 | 1,756 | 99 | 434 | 3,227 |
| Bulk Terminal | 0 | 817 | 2,737 | 0 | 19 | 3,573 |
| Pipeline | 39 | 781 | 719 | 40 | 0 | 1,579 |
| Natural Gas Processing Plant | 3 | 71 | 369 | 25 | 13 | 481 |
| **Other Hydrocarbons/Hydrogen/Oxygenates** | **2,000** | **1,877** | **5,497** | **282** | **3,581** | **13,237** |
| Refinery | 1,813 | 542 | 2,323 | 101 | 2,630 | 7,409 |
| Bulk Terminal | 187 | 1,267 | 3,020 | 175 | 317 | 4,966 |
| Pipeline | 0 | 68 | 154 | 6 | 634 | 862 |
| **Other Hydrocarbons/Hydrogen** | **0** | **10** | **2** | **0** | **4** | **16** |
| Refinery | 0 | 10 | 2 | 0 | 4 | 16 |
| **Fuel Ethanol** | **33** | **1,604** | **381** | **95** | **305** | **2,418** |
| Refinery | W | 337 | W | W | W | 439 |
| Bulk Terminal [a] | W | W | W | W | W | W |
| Pipeline | W | W | W | W | W | W |
| **ETBE** | **W** | **W** | **W** | **W** | **W** | **W** |
| Refinery | W | W | W | W | W | W |
| Bulk Terminal | W | W | W | W | W | W |
| Pipeline | W | W | W | W | W | W |
| **Methanol** | **W** | **W** | **W** | **W** | **W** | **769** |
| Refinery | W | W | W | W | W | 762 |

See footnotes at end of table.

## Table 51. Stocks of Crude Oil and Petroleum Products by PAD District, April 1998 (Continued)

(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | U. S. Total |
|---|---|---|---|---|---|---|
| | I | II | III | IV | V | |
| **MTBE** | **1,581** | **W** | **4,277** | **W** | **3,257** | **9,509** |
| Refinery | 1,411 | W | 1,868 | W | 2,603 | 6,068 |
| Bulk Terminal | W | W | 2,255 | W | 24 | 2,589 |
| Pipeline | W | W | 154 | W | 630 | 852 |
| **Other Oxygenates** [b] | **W** | **W** | **W** | **W** | **W** | **W** |
| Refinery | W | W | W | W | W | W |
| Bulk Terminal | W | W | W | W | W | W |
| Pipeline | W | W | W | W | W | W |
| **Unfinished Oils** | **10,030** | **16,259** | **49,015** | **3,335** | **22,032** | **100,671** |
| Refinery | | | | | | |
| Naphthas and Lighter | 1,999 | 4,251 | 11,732 | 905 | 3,373 | 22,260 |
| Kerosene and Light Gas Oils | 1,796 | 2,765 | 7,942 | 496 | 4,958 | 17,957 |
| Heavy Gas Oils | 4,762 | 5,584 | 19,861 | 1,393 | 10,583 | 42,183 |
| Residuum | 1,473 | 3,659 | 9,480 | 541 | 3,118 | 18,271 |
| **Motor Gasoline Blending Components** | **9,984** | **10,036** | **16,177** | **1,588** | **8,181** | **45,966** |
| Refinery | 9,530 | 8,109 | 14,731 | 1,588 | 7,550 | 41,508 |
| Bulk Terminal | 454 | 433 | 1,085 | 0 | 58 | 2,030 |
| Pipeline | 0 | 1,494 | 361 | 0 | 573 | 2,428 |
| **Aviation Gasoline Blending Components** | **68** | **16** | **33** | **0** | **2** | **119** |
| Refinery | 68 | 16 | 33 | 0 | 2 | 119 |
| **Finished Motor Gasoline** | **52,172** | **44,297** | **47,096** | **4,511** | **20,247** | **168,323** |
| Refinery | 11,904 | 10,511 | 17,992 | 2,146 | 9,916 | 52,469 |
| Bulk Terminal | 26,465 | 17,866 | 10,693 | 1,016 | 7,627 | 63,667 |
| Pipeline | 13,803 | 15,920 | 18,411 | 1,349 | 2,704 | 52,187 |
| **Reformulated** | **23,261** | **513** | **9,017** | **0** | **11,436** | **44,227** |
| Refinery | 8,480 | 93 | 3,442 | 0 | 5,811 | 17,826 |
| Bulk Terminal | 11,181 | 279 | 1,934 | 0 | 3,672 | 17,066 |
| Pipeline | 3,600 | 141 | 3,641 | 0 | 1,953 | 9,335 |
| **Oxygenated** | **238** | **322** | **0** | **90** | **0** | **650** |
| Refinery | 0 | 261 | 0 | 0 | 0 | 261 |
| Bulk Terminal | 142 | 61 | 0 | 90 | 0 | 293 |
| Pipeline | 96 | 0 | 0 | 0 | 0 | 96 |
| **Other** | **28,673** | **43,462** | **38,079** | **4,421** | **8,811** | **123,446** |
| Refinery | 3,424 | 10,157 | 14,550 | 2,146 | 4,105 | 34,382 |
| Bulk Terminal | 15,142 | 17,526 | 8,759 | 926 | 3,955 | 46,308 |
| Pipeline | 10,107 | 15,779 | 14,770 | 1,349 | 751 | 42,756 |
| **Finished Aviation Gasoline** | **236** | **468** | **499** | **31** | **504** | **1,738** |
| Refinery | 40 | 217 | 448 | 24 | 233 | 962 |
| Bulk Terminal | 196 | 239 | 51 | 7 | 271 | 764 |
| Pipeline | 0 | 12 | 0 | 0 | 0 | 12 |
| **Naphtha-Type Jet Fuel** | **0** | **0** | **0** | **0** | **50** | **50** |
| Refinery | 0 | 0 | 0 | 0 | 42 | 42 |
| Bulk Terminal | 0 | 0 | 0 | 0 | 8 | 8 |
| Pipeline | 0 | 0 | 0 | 0 | 0 | 0 |
| **Kerosene-Type Jet Fuel** | **10,169** | **8,070** | **13,897** | **853** | **8,417** | **41,406** |
| Refinery | 1,406 | 2,560 | 7,162 | 474 | 4,508 | 16,110 |
| Bulk Terminal | 3,938 | 2,080 | 1,412 | 285 | 2,357 | 10,072 |
| Pipeline | 4,825 | 3,430 | 5,323 | 94 | 1,552 | 15,224 |

See footnotes at end of table.

## Table 51. Stocks of Crude Oil and Petroleum Products by PAD District, April 1998 (Continued)

(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | U. S. Total |
|---|---|---|---|---|---|---|
| | I | II | III | IV | V | |
| **Kerosene** | **2,749** | **1,122** | **642** | **61** | **63** | **4,637** |
| Refinery | 459 | 389 | 387 | 56 | 52 | 1,343 |
| Bulk Terminal | 2,199 | 706 | 102 | 0 | 5 | 3,012 |
| Pipeline | 91 | 27 | 153 | 5 | 6 | 282 |
| **Distillate Fuel Oil** | **49,037** | **31,566** | **30,270** | **2,275** | **12,533** | **125,681** |
| Refinery | 11,670 | 9,227 | 15,807 | 1,273 | 6,571 | 44,548 |
| Bulk Terminal | 29,720 | 13,469 | 5,209 | 534 | 4,429 | 53,361 |
| Pipeline | 7,647 | 8,870 | 9,254 | 468 | 1,533 | 27,772 |
| **0.05 Percent Sulfur and Under** | **14,542** | **21,352** | **16,394** | **1,841** | **9,039** | **63,168** |
| Refinery | 1,552 | 5,145 | 7,823 | 984 | 5,049 | 20,553 |
| Bulk Terminal | 8,873 | 9,264 | 3,560 | 455 | 2,720 | 24,872 |
| Pipeline | 4,117 | 6,943 | 5,011 | 402 | 1,270 | 17,743 |
| **Greater than 0.05 Percent Sulfur** | **34,495** | **10,214** | **13,876** | **434** | **3,494** | **62,513** |
| Refinery | 10,118 | 4,082 | 7,984 | 289 | 1,522 | 23,995 |
| Bulk Terminal | 20,847 | 4,205 | 1,649 | 79 | 1,709 | 28,489 |
| Pipeline | 3,530 | 1,927 | 4,243 | 66 | 263 | 10,029 |
| **Residual Fuel Oil**[c] | **13,588** | **2,577** | **15,847** | **748** | **6,427** | **39,187** |
| Refinery | 3,593 | 1,966 | 7,241 | 748 | 4,433 | 17,981 |
| Bulk Terminal | 9,995 | 611 | 8,606 | 0 | 1,593 | 20,805 |
| Pipeline | 0 | 0 | 0 | 0 | 401 | 401 |
| **Less than 0.31% Sulfur** | **2,724** | **128** | **197** | **14** | **610** | **3,673** |
| Refinery | 942 | 46 | 76 | 14 | 602 | 1,680 |
| Bulk Terminal | 1,782 | 82 | 121 | 0 | 8 | 1,993 |
| **0.31 to 1.00% Sulfur** | **4,439** | **357** | **4,501** | **629** | **1,057** | **10,983** |
| Refinery | 1,264 | 172 | 1,990 | 629 | 815 | 4,870 |
| Bulk Terminal | 3,175 | 185 | 2,511 | 0 | 242 | 6,113 |
| **Greater than 1.00% Sulfur** | **6,425** | **2,092** | **11,149** | **105** | **4,359** | **24,130** |
| Refinery | 1,387 | 1,748 | 5,175 | 105 | 3,016 | 11,431 |
| Bulk Terminal | 5,038 | 344 | 5,974 | 0 | 1,343 | 12,699 |
| **Naphtha for Petrochemical Feedstock Use** | **426** | **145** | **1,041** | **0** | **104** | **1,716** |
| Refinery | 426 | 145 | 1,041 | 0 | 104 | 1,716 |
| **Other Oils for Petrochemical Feedstock Use** | **0** | **200** | **1,891** | **0** | **102** | **2,193** |
| Refinery | 0 | 200 | 1,891 | 0 | 102 | 2,193 |
| **Special Naphthas** | **100** | **360** | **1,429** | **0** | **49** | **1,938** |
| Refinery | 73 | 360 | 1,266 | 0 | 49 | 1,748 |
| Bulk Terminal | 27 | 0 | 163 | 0 | 0 | 190 |
| **Lubricants** | **2,132** | **1,657** | **5,919** | **0** | **1,371** | **11,079** |
| Refinery | 712 | 718 | 4,538 | 0 | 982 | 6,950 |
| Bulk Terminal | 1,420 | 939 | 1,381 | 0 | 389 | 4,129 |
| **Waxes** | **35** | **174** | **467** | **0** | **182** | **858** |
| Refinery | 35 | 174 | 467 | 0 | 182 | 858 |
| **Petroleum Coke** | **445** | **4,643** | **5,145** | **226** | **2,164** | **12,623** |
| Refinery | 445 | 4,643 | 5,145 | 226 | 2,164 | 12,623 |
| **Asphalt and Road Oil** | **6,408** | **18,661** | **5,455** | **2,527** | **2,858** | **35,909** |
| Refinery | 2,645 | 8,632 | 4,169 | 2,316 | 2,317 | 20,079 |
| Bulk Terminal | 3,763 | 10,029 | 1,286 | 211 | 541 | 15,830 |
| **Miscellaneous Products** | **94** | **255** | **1,011** | **17** | **167** | **1,544** |
| Refinery | 46 | 117 | 590 | 2 | 130 | 885 |
| Bulk Terminal | 48 | 131 | 405 | 9 | 37 | 630 |
| Pipeline | 0 | 7 | 16 | 6 | 0 | 29 |
| **Total Stocks, All Oils** | **181,608** | **251,163** | **994,481** | **30,999** | **155,738** | **1,613,989** |

[a] Includes stocks held by producers.
[b] Includes tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers Intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).
[c] Sulfur content not available for stocks held by pipelines.
W = Withheld to avoid disclosure of individual company data.
Note: Stocks are reported as of the last day of the month.
Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-816, "Monthly Natural Gas Liquids Report."

## Table 52. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 1998

(Thousand Barrels)

| PAD District and State | Motor Gasoline | | | | Kerosene | Distillate Fuel Oil | | | Residual Fuel | Propane/ Propylene |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total | Reformulated | Oxygenated | Other | | Total | 0.05% Sulfur and Under | Greater than 0.05% Sulfur | | |
| **PAD District I** | **38,369** | **19,661** | **142** | **18,566** | **2,658** | **41,390** | **10,425** | **30,965** | **13,588** | **1,320** |
| Connecticut | 1,785 | 1,785 | 0 | 0 | 52 | 4,785 | 633 | 4,152 | 21 | W |
| Delaware, D.C., Maryland | 1,639 | 1,103 | 0 | 536 | 178 | 2,187 | 550 | 1,637 | 2,347 | W |
| Florida | 5,631 | 0 | 0 | 5,631 | 89 | 1,905 | 1,191 | 714 | 988 | 70 |
| Georgia | 1,569 | 0 | 0 | 1,569 | 46 | 957 | 657 | 300 | 223 | W |
| Maine, New Hampshire, Vermont | 1,146 | 697 | 0 | 449 | 114 | 2,003 | 436 | 1,567 | 454 | W |
| Massachusetts | 1,056 | 1,056 | 0 | 0 | 198 | 3,416 | 283 | 3,133 | 663 | W |
| New Jersey | 12,043 | 10,593 | 0 | 1,450 | 400 | 10,136 | 1,416 | 8,720 | 4,550 | W |
| New York | 2,943 | 1,339 | 86 | 1,518 | 402 | 4,646 | 971 | 3,675 | 1,290 | W |
| North Carolina | 1,797 | 14 | 0 | 1,783 | 230 | 1,651 | 843 | 808 | 460 | W |
| Pennsylvania | 4,528 | 1,292 | 56 | 3,180 | 641 | 6,155 | 1,911 | 4,244 | 1,171 | W |
| Rhode Island | 668 | 668 | 0 | 0 | W | 1,028 | 187 | 841 | W | W |
| South Carolina | 1,440 | 17 | 0 | 1,423 | 124 | 658 | 403 | 255 | W | W |
| Virginia | 2,066 | 1,097 | 0 | 969 | 142 | 1,760 | 868 | 892 | 524 | W |
| West Virginia | 58 | 0 | 0 | 58 | W | 103 | 76 | 27 | W | W |
| **PAD District II** | **28,377** | **372** | **322** | **27,683** | **1,095** | **22,696** | **14,409** | **8,287** | **2,577** | **11,253** |
| Illinois | 3,226 | 98 | 0 | 3,128 | 102 | 3,393 | 2,066 | 1,327 | 1,131 | 503 |
| Indiana | 3,651 | 43 | 8 | 3,600 | 283 | 3,066 | 1,756 | 1,310 | 149 | W |
| Iowa | 1,341 | 0 | 0 | 1,341 | W | 1,588 | 1,371 | 217 | W | W |
| Kansas, Nebraska | 3,977 | 9 | 0 | 3,968 | 5 | 2,412 | 1,416 | 996 | 4 | 6,474 |
| Kentucky | 1,556 | 130 | 67 | 1,359 | 72 | 1,122 | 562 | 560 | W | W |
| Michigan | 2,339 | 0 | 0 | 2,339 | 108 | 1,722 | 1,249 | 473 | 86 | 2,065 |
| Minnesota | 1,531 | 0 | 194 | 1,337 | W | 1,584 | 1,222 | 362 | 286 | W |
| Missouri | 1,082 | 0 | 0 | 1,082 | W | 722 | 576 | 146 | W | W |
| North Dakota, South Dakota | 389 | 0 | 1 | 388 | W | 700 | 418 | 282 | W | W |
| Ohio | 3,258 | 24 | 5 | 3,229 | 306 | 2,290 | 1,318 | 972 | 249 | W |
| Oklahoma | 2,669 | 0 | 3 | 2,666 | W | 1,464 | 935 | 529 | 174 | 433 |
| Tennessee | 1,502 | 0 | 44 | 1,458 | 31 | 1,114 | 777 | 337 | 227 | W |
| Wisconsin | 1,856 | 68 | 0 | 1,788 | W | 1,519 | 743 | 776 | 61 | W |
| **PAD District III** | **28,685** | **5,376** | **0** | **23,309** | **489** | **21,016** | **11,383** | **9,633** | **15,847** | **12,544** |
| Alabama | 998 | 0 | 0 | 998 | 66 | 743 | 434 | 309 | 178 | 111 |
| Arkansas | 985 | 0 | 0 | 985 | W | 511 | 334 | 177 | W | W |
| Louisiana | 5,578 | 415 | 0 | 5,163 | 214 | 5,322 | 2,197 | 3,125 | 6,026 | 1,150 |
| Mississippi | 2,297 | 0 | 0 | 2,297 | 0 | 1,676 | 822 | 854 | W | 1,648 |
| New Mexico | 416 | 0 | 0 | 416 | W | 305 | 246 | 59 | 9 | W |
| Texas | 18,411 | 4,961 | 0 | 13,450 | 186 | 12,459 | 7,350 | 5,109 | 8,794 | 9,552 |
| **PAD District IV** | **3,162** | **0** | **90** | **3,072** | **56** | **1,807** | **1,439** | **368** | **748** | **185** |
| Colorado | 715 | 0 | 90 | 625 | W | 272 | 237 | 35 | W | W |
| Idaho | 276 | 0 | 0 | 276 | W | 227 | 153 | 74 | W | W |
| Montana | 1,050 | 0 | 0 | 1,050 | W | 425 | 425 | 0 | 67 | 26 |
| Utah | 687 | 0 | 0 | 687 | W | 522 | 312 | 210 | 39 | 54 |
| Wyoming | 434 | 0 | 0 | 434 | W | 361 | 312 | 49 | W | 58 |
| **PAD District V** | **17,543** | **9,483** | **0** | **8,060** | **57** | **11,000** | **7,769** | **3,231** | **6,026** | **889** |
| Alaska | 625 | 0 | 0 | 625 | W | 833 | 23 | 810 | W | W |
| Arizona | 893 | 341 | 0 | 552 | W | 543 | 509 | 34 | W | W |
| California | 10,581 | 9,142 | 0 | 1,439 | 52 | 6,102 | 5,384 | 718 | 3,760 | 207 |
| Hawaii | 869 | 0 | 0 | 869 | W | 492 | 152 | 340 | W | W |
| Nevada | 203 | 0 | 0 | 203 | W | 119 | 103 | 16 | W | W |
| Oregon | 1,231 | 0 | 0 | 1,231 | W | 678 | 502 | 176 | 139 | W |
| Washington | 3,141 | 0 | 0 | 3,141 | W | 2,233 | 1,096 | 1,137 | 623 | 168 |
| **U.S. Total** | **116,136** | **34,892** | **554** | **80,690** | **4,355** | **97,909** | **45,425** | **52,484** | **38,786** | **26,191** |

W = Withheld to avoid disclosure of individual company data.

Notes: • Stocks are reported as of the last day of the month. • Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-811, "Monthly Bulk Terminal Report," and EIA-816, "Monthly Natural Gas Liquids Report."

## Table 53. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1998
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | | From III to | |
|---|---|---|---|---|---|---|---|---|---|
| | II | III | V | I | III | IV | V | I | II |
| **Crude Oil** | **0** | **411** | **0** | **296** | **1,019** | **770** | **0** | **0** | **61,529** |
| **Petroleum Products** | **8,751** | **37** | **0** | **2,443** | **6,631** | **2,693** | **0** | **99,702** | **28,088** |
| Pentanes Plus | 0 | 0 | 0 | 0 | 106 | 0 | 0 | 0 | 665 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 917 | 4,204 | 57 | 0 | 1,645 | 2,956 |
| Unfinished Oils | 27 | 0 | 0 | 37 | 228 | 0 | 0 | 0 | 91 |
| Motor Gasoline Blending Components | 24 | 2 | 0 | 0 | 0 | 0 | 0 | 826 | 1,826 |
| Finished Motor Gasoline | 5,674 | 0 | 0 | 790 | 916 | 1,067 | 0 | 56,624 | 11,389 |
| Reformulated | 19 | 0 | 0 | 0 | 604 | 0 | 0 | 12,306 | 1,102 |
| Oxygenated | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 | 0 |
| Other | 5,655 | 0 | 0 | 639 | 312 | 1,067 | 0 | 44,318 | 10,287 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 44 | 61 |
| Jet Fuel | 206 | 0 | 0 | 105 | 0 | 799 | 0 | 13,475 | 4,516 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 206 | 0 | 0 | 105 | 0 | 799 | 0 | 13,475 | 4,516 |
| Kerosene | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 0 |
| Distillate Fuel Oil | 2,758 | 0 | 0 | 504 | 212 | 763 | 0 | 23,954 | 5,905 |
| 0.05 percent sulfur and under | 2,176 | 0 | 0 | 211 | 199 | 763 | 0 | 15,023 | 5,031 |
| Greater than 0.05 percent sulfur | 582 | 0 | 0 | 293 | 13 | 0 | 0 | 8,931 | 874 |
| Residual Fuel Oil | 0 | 0 | 0 | 13 | 925 | 0 | 0 | 1,277 | 107 |
| Petrochemical Feedstocks[a] | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 211 | 9 |
| Special Naphthas | 0 | 7 | 0 | 10 | 12 | 0 | 0 | 172 | 143 |
| Lubricants | 0 | 28 | 0 | 48 | 28 | 0 | 0 | 926 | 242 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 429 | 178 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **8,751** | **448** | **0** | **2,739** | **7,650** | **3,463** | **0** | **99,702** | **89,617** |

| Commodity | From III to | | From IV to | | | From V to | | | |
|---|---|---|---|---|---|---|---|---|---|
| | IV | V | II | III | V | I | II | III | IV |
| **Crude Oil** | **0** | **0** | **3,888** | **904** | **0** | **0** | **0** | **1,917** | **0** |
| **Petroleum Products** | **376** | **2,726** | **2,279** | **3,155** | **930** | **0** | **0** | **546** | **0** |
| Pentanes Plus | 0 | 0 | 139 | 275 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 1,504 | 2,880 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 0 |
| Motor Gasoline Blending Components | 0 | 217 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 271 | 1,907 | 391 | 0 | 745 | 0 | 0 | 268 | 0 |
| Reformulated | 0 | 595 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 271 | 1,312 | 391 | 0 | 745 | 0 | 0 | 268 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jet Fuel | 46 | 326 | 48 | 0 | 113 | 0 | 0 | 0 | 0 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 46 | 326 | 48 | 0 | 113 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 59 | 276 | 197 | 0 | 72 | 0 | 0 | 0 | 0 |
| 0.05 percent sulfur and under | 59 | 122 | 197 | 0 | 72 | 0 | 0 | 0 | 0 |
| Greater than 0.05 percent sulfur | 0 | 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Petrochemical Feedstocks[a] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lubricants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **376** | **2,726** | **6,167** | **4,059** | **930** | **0** | **0** | **2,463** | **0** |

[a] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-817, "Monthly Tanker and Barge Movement Report."

## Table 54. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 1998
(Thousand Barrels)

| Commodity | From I to | | From II to | | | From III to | |
|---|---|---|---|---|---|---|---|
| | II | III | I | III | IV | I | II |
| **Crude Oil** | **0** | **411** | **150** | **1,019** | **770** | **0** | **61,529** |
| **Petroleum Products** | **8,624** | **0** | **1,044** | **5,160** | **2,693** | **73,785** | **24,337** |
| Pentanes Plus | 0 | 0 | 0 | 106 | 0 | 0 | 665 |
| Liquefied Petroleum Gases | 0 | 0 | 917 | 4,204 | 57 | 1,423 | 2,956 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 142 | 1,722 |
| Finished Motor Gasoline | 5,674 | 0 | 0 | 824 | 1,067 | 42,502 | 9,860 |
| Reformulated | 19 | 0 | 0 | 604 | 0 | 11,884 | 604 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 5,655 | 0 | 0 | 220 | 1,067 | 30,618 | 9,256 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 7 | 0 | 52 |
| Jet Fuel | 206 | 0 | 14 | 0 | 799 | 10,088 | 4,418 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 206 | 0 | 14 | 0 | 799 | 10,088 | 4,418 |
| Kerosene | 5 | 0 | 0 | 0 | 0 | 109 | 0 |
| Distillate Fuel Oil | 2,739 | 0 | 113 | 26 | 763 | 19,521 | 4,664 |
| 0.05 percent sulfur and under | 2,176 | 0 | 0 | 13 | 763 | 11,773 | 4,487 |
| Greater than 0.05 percent sulfur | 563 | 0 | 113 | 13 | 0 | 7,748 | 177 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **8,624** | **411** | **1,194** | **6,179** | **3,463** | **73,785** | **85,866** |

| Commodity | From III to | | From IV to | | | From V to | |
|---|---|---|---|---|---|---|---|
| | IV | V | II | III | V | III | IV |
| **Crude Oil** | **0** | **0** | **3,888** | **904** | **0** | **1,917** | **0** |
| **Petroleum Products** | **376** | **2,459** | **2,279** | **3,155** | **930** | **0** | **0** |
| Pentanes Plus | 0 | 0 | 139 | 275 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 1,504 | 2,880 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 100 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 271 | 1,757 | 391 | 0 | 745 | 0 | 0 |
| Reformulated | 0 | 595 | 0 | 0 | 0 | 0 | 0 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 271 | 1,162 | 391 | 0 | 745 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jet Fuel | 46 | 326 | 48 | 0 | 113 | 0 | 0 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 46 | 326 | 48 | 0 | 113 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 59 | 276 | 197 | 0 | 72 | 0 | 0 |
| 0.05 percent sulfur and under | 59 | 122 | 197 | 0 | 72 | 0 | 0 |
| Greater than 0.05 percent sulfur | 0 | 154 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **376** | **2,459** | **6,167** | **4,059** | **930** | **1,917** | **0** |

Sources: Energy Information Administration (EIA) Forms EIA-812, “Monthly Product Pipeline Report,” and EIA-813, Monthly Crude Oil Report."

## Table 55. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 1998
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | |
|---|---|---|---|---|---|---|---|---|
| | II | III | V | I | III | V | I | New England |
| **Crude Oil** | **0** | **0** | **0** | **146** | **0** | **0** | **0** | **0** |
| **Petroleum Products** | **127** | **37** | **0** | **1,399** | **1,471** | **0** | **25,917** | **95** |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 0 |
| Unfinished Oils | 27 | 0 | 0 | 37 | 228 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 24 | 2 | 0 | 0 | 0 | 0 | 684 | 0 |
| Finished Motor Gasoline | 0 | 0 | 0 | 790 | 92 | 0 | 14,122 | 0 |
| Reformulated | 0 | 0 | 0 | 0 | 0 | 0 | 422 | 0 |
| Oxygenated | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 639 | 92 | 0 | 13,700 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 |
| Jet Fuel | 0 | 0 | 0 | 91 | 0 | 0 | 3,387 | 0 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 0 | 0 | 0 | 91 | 0 | 0 | 3,387 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 |
| Distillate Fuel Oil | 19 | 0 | 0 | 391 | 186 | 0 | 4,433 | 0 |
| 0.05 percent sulfur and under | 0 | 0 | 0 | 211 | 186 | 0 | 3,250 | 0 |
| Greater then 0.05 percent sulfur | 19 | 0 | 0 | 180 | 0 | 0 | 1,183 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 13 | 925 | 0 | 1,277 | 95 |
| Less than 0.31 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater than 1.00 percent sulfur | 0 | 0 | 0 | 13 | 925 | 0 | 1,277 | 95 |
| Petrochemical Feedstocks[a] | 57 | 0 | 0 | 0 | 0 | 0 | 211 | 0 |
| Special Naphthas | 0 | 7 | 0 | 10 | 12 | 0 | 172 | 0 |
| Lubricants | 0 | 28 | 0 | 48 | 28 | 0 | 926 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 19 | 0 | 0 | 429 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **127** | **37** | **0** | **1,545** | **1,471** | **0** | **25,917** | **95** |

| Commodity | From III to | | | | From V to | | |
|---|---|---|---|---|---|---|---|
| | Central Atlantic | Lower Atlantic | II | V | I | II | III |
| **Crude Oil** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **Petroleum Products** | **1,992** | **23,830** | **3,751** | **267** | **0** | **0** | **546** |
| Liquefied Petroleum Gases | 0 | 222 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 91 | 0 | 0 | 0 | 175 |
| Motor Gasoline Blending Components | 662 | 22 | 104 | 117 | 0 | 0 | 0 |
| Finished Motor Gasoline | 587 | 13,535 | 1,529 | 150 | 0 | 0 | 268 |
| Reformulated | 372 | 50 | 498 | 0 | 0 | 0 | 0 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 215 | 13,485 | 1,031 | 150 | 0 | 0 | 268 |
| Finished Aviation Gasoline | 0 | 44 | 9 | 0 | 0 | 0 | 0 |
| Jet Fuel | 140 | 3,247 | 98 | 0 | 0 | 0 | 0 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 140 | 3,247 | 98 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 10 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 137 | 4,296 | 1,241 | 0 | 0 | 0 | 0 |
| 0.05 percent sulfur and under | 107 | 3,143 | 544 | 0 | 0 | 0 | 0 |
| Greater then 0.05 percent sulfur | 30 | 1,153 | 697 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 106 | 1,076 | 107 | 0 | 0 | 0 | 0 |
| Less than 0.31 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00 percent sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater than 1.00 percent sulfur | 106 | 1,076 | 107 | 0 | 0 | 0 | 0 |
| Petrochemical Feedstocks[a] | 0 | 211 | 9 | 0 | 0 | 0 | 0 |
| Special Naphthas | 62 | 110 | 143 | 0 | 0 | 0 | 0 |
| Lubricants | 298 | 628 | 242 | 0 | 0 | 0 | 103 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 429 | 178 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **1,992** | **23,830** | **3,751** | **267** | **0** | **0** | **546** |

[a] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.
Source: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movement Report."

## Table 56. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts, April 1998

(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | |
|---|---|---|---|---|---|---|
| | Receipts | Shipments | Net Receipts | Receipts | Shipments | Net Receipts |
| **Crude Oil** | **296** | **411** | **-115** | **65,417** | **2,085** | **63,332** |
| **Petroleum Products** | **102,145** | **8,788** | **93,357** | **39,118** | **11,767** | **27,351** |
| Pentanes Plus | 0 | 0 | 0 | 804 | 106 | 698 |
| Liquefied Petroleum Gases | 2,562 | 0 | 2,562 | 4,460 | 5,178 | -718 |
| Ethane/Ethylene | 0 | 0 | 0 | 785 | 2,634 | -1,849 |
| Propane/Propylene | 2,562 | 0 | 2,562 | 2,790 | 1,932 | 858 |
| Normal Butane/Butylene | 0 | 0 | 0 | 398 | 500 | -102 |
| Isobutane/Isobutylene | 0 | 0 | 0 | 487 | 112 | 375 |
| Unfinished Oils | 37 | 27 | 10 | 118 | 265 | -147 |
| Motor Gasoline Blending Components | 826 | 26 | 800 | 1,850 | 0 | 1,850 |
| Finished Motor Gasoline | 57,414 | 5,674 | 51,740 | 17,454 | 2,773 | 14,681 |
| Reformulated | 12,306 | 19 | 12,287 | 1,121 | 604 | 517 |
| Oxygenated | 151 | 0 | 151 | 0 | 151 | -151 |
| Other | 44,957 | 5,655 | 39,302 | 16,333 | 2,018 | 14,315 |
| Finished Aviation Gasoline | 44 | 0 | 44 | 61 | 7 | 54 |
| Jet Fuel | 13,580 | 206 | 13,374 | 4,770 | 904 | 3,866 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 13,580 | 206 | 13,374 | 4,770 | 904 | 3,866 |
| Kerosene | 119 | 5 | 114 | 5 | 0 | 5 |
| Distillate Fuel Oil | 24,458 | 2,758 | 21,700 | 8,860 | 1,479 | 7,381 |
| 0.05 percent sulfur and under | 15,234 | 2,176 | 13,058 | 7,404 | 1,173 | 6,231 |
| Greater than 0.05 percent sulfur | 9,224 | 582 | 8,642 | 1,456 | 306 | 1,150 |
| Residual Fuel Oil | 1,290 | 0 | 1,290 | 107 | 938 | -831 |
| Petrochemical Feedstocks[a] | 211 | 57 | 154 | 66 | 0 | 66 |
| Special Naphthas | 182 | 7 | 175 | 143 | 22 | 121 |
| Lubricants | 974 | 28 | 946 | 242 | 76 | 166 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 448 | 0 | 448 | 178 | 19 | 159 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **102,441** | **9,199** | **93,242** | **104,535** | **13,852** | **90,683** |

| Commodity | PAD District III | | | PAD District IV | | | PAD District V | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts | Shipments | Net Receipts | Receipts | Shipments | Net Receipts | Receipts | Shipments | Net Receipts |
| **Crude Oil** | **4,251** | **61,529** | **-57,278** | **770** | **4,792** | **-4,022** | **0** | **1,917** | **-1,917** |
| **Petroleum Products** | **10,369** | **130,892** | **-120,523** | **3,069** | **6,364** | **-3,295** | **3,656** | **546** | **3,110** |
| Pentanes Plus | 381 | 665 | -284 | 0 | 414 | -414 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 7,084 | 4,601 | 2,483 | 57 | 4,384 | -4,327 | 0 | 0 | 0 |
| Ethane/Ethylene | 4,243 | 252 | 3,991 | 0 | 2,142 | -2,142 | 0 | 0 | 0 |
| Propane/Propylene | 1,710 | 3,742 | -2,032 | 55 | 1,443 | -1,388 | 0 | 0 | 0 |
| Normal Butane/Butylene | 783 | 213 | 570 | 2 | 470 | -468 | 0 | 0 | 0 |
| Isobutane/Isobutylene | 348 | 394 | -46 | 0 | 329 | -329 | 0 | 0 | 0 |
| Unfinished Oils | 403 | 91 | 312 | 0 | 0 | 0 | 0 | 175 | -175 |
| Motor Gasoline Blending Components | 2 | 2,869 | -2,867 | 0 | 0 | 0 | 217 | 0 | 217 |
| Finished Motor Gasoline | 1,184 | 70,191 | -69,007 | 1,338 | 1,136 | 202 | 2,652 | 268 | 2,384 |
| Reformulated | 604 | 14,003 | -13,399 | 0 | 0 | 0 | 595 | 0 | 595 |
| Oxygenated | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 580 | 56,188 | -55,608 | 1,338 | 1,136 | 202 | 2,057 | 268 | 1,789 |
| Finished Aviation Gasoline | 0 | 105 | -105 | 7 | 0 | 7 | 0 | 0 | 0 |
| Jet Fuel | 0 | 18,363 | -18,363 | 845 | 161 | 684 | 439 | 0 | 439 |
| Naphtha-Type | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type | 0 | 18,363 | -18,363 | 845 | 161 | 684 | 439 | 0 | 439 |
| Kerosene | 0 | 119 | -119 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 212 | 30,194 | -29,982 | 822 | 269 | 553 | 348 | 0 | 348 |
| 0.05 percent sulfur and under | 199 | 20,235 | -20,036 | 822 | 269 | 553 | 194 | 0 | 194 |
| Greater than 0.05 percent sulfur | 13 | 9,959 | -9,946 | 0 | 0 | 0 | 154 | 0 | 154 |
| Residual Fuel Oil | 925 | 1,384 | -459 | 0 | 0 | 0 | 0 | 0 | 0 |
| Petrochemical Feedstocks[a] | 0 | 220 | -220 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 19 | 315 | -296 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lubricants | 159 | 1,168 | -1,009 | 0 | 0 | 0 | 0 | 103 | -103 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 607 | -607 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **14,620** | **192,421** | **-177,801** | **3,839** | **11,156** | **-7,317** | **3,656** | **2,463** | **1,193** |

[a] Includes naphtha less than 401° F endpoint and other oils equal to or greater than 401° F endpoint.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," and EIA-817, "Monthly Tanker and Barge Movement Report."

Appendix A

# District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

## PAD District I

***East Coast:*** District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

***Appalachian No. 1:*** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

***New England:*** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont.

***Central Atlantic*:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

***Lower Atlantic*:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

## PAD District II

***Indiana-Illinois-Kentucky*:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

***Minnesota-Wisconsin-North and South Dakota:*** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

***Oklahoma-Kansas-Missouri:*** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

## PAD District III

***Texas Inland:*** The State of Texas except the Texas Gulf Coast District.

***Texas Gulf Coast:*** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

***Louisiana Gulf Coast:*** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

***North Louisiana-Arkansas:*** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

***New Mexico:*** The State of New Mexico.

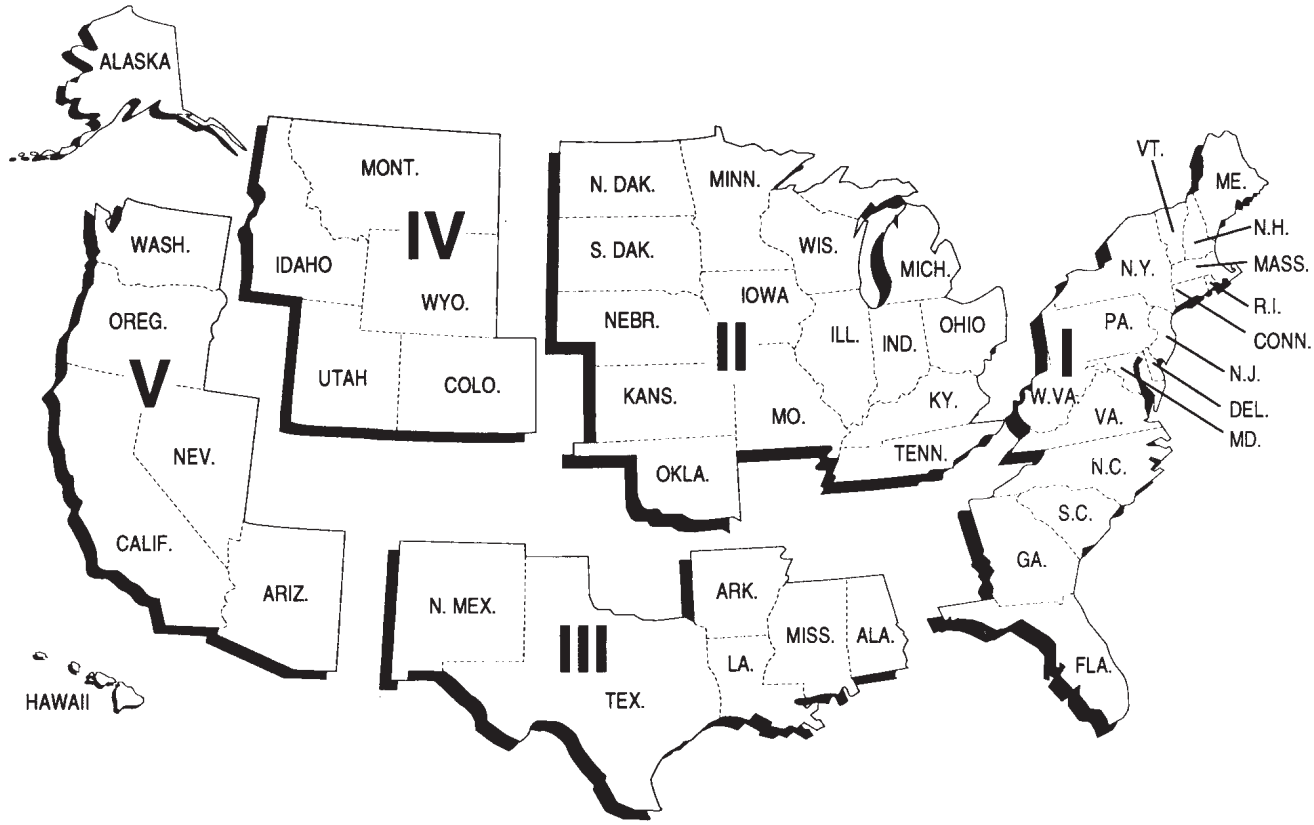
## PAD District IV

***Rocky Mountain:*** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

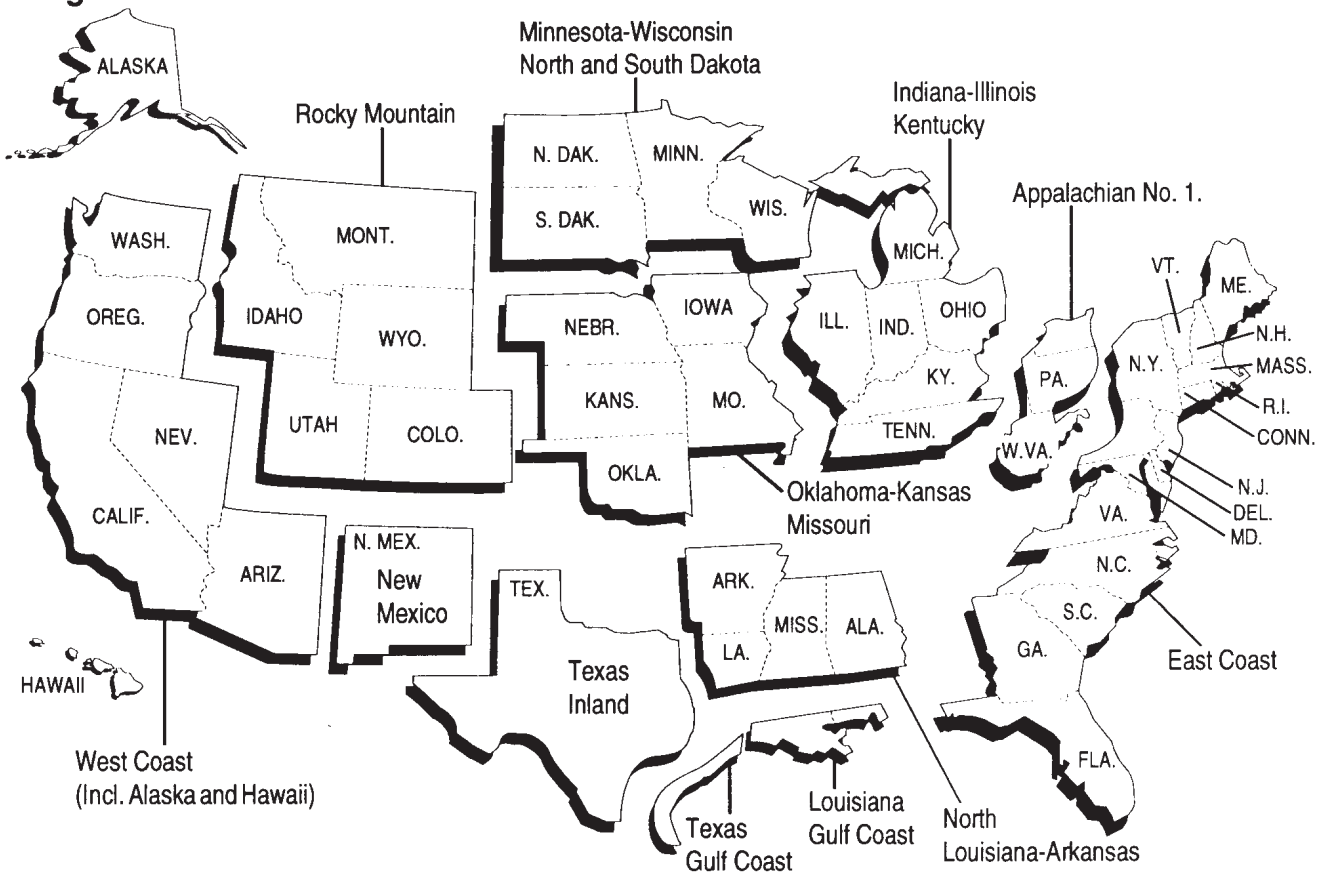
## PAD District V

***West Coast:*** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts




## Refining Districts



## Appendix B

# Explanatory Notes

The following Explanatory Notes are provided to assist in understanding and interpreting the data presented in the Detailed Statistics section of this publication.

- Note 1. Petroleum Supply Reporting System
- Note 2. Monthly Petroleum Supply Reporting System
- Note 3. Technical Notes for Detailed Statistics Tables
- Note 4. Domestic Crude Oil Production
- Note 5. Export Data
- Note 6. Quality Control and Data Revision
- Note 7. Frames Maintenance
- Note 8. Practical Limitations of Data Collection Efforts
- Note 9. 1994 Changes in the Petroleum Supply Monthly

## Note 1. Petroleum Supply Reporting System

The Petroleum Supply Reporting System (PSRS) represents a family of data collection survey forms, data processing systems, and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are listed below:

| Form Number | Name |
|---|---|
| EIA-800 | "Weekly Refinery Report" |
| EIA-801 | "Weekly Bulk Terminal Report" |
| EIA-802 | "Weekly Product Pipeline Report" |
| EIA-803 | "Weekly Crude Oil Stocks Report" |
| EIA-804 | "Weekly Imports Report" |
| EIA-807 | "Propane Telephone Survey" |
| EIA-810 | "Monthly Refinery Report" |
| EIA-811 | "Monthly Bulk Terminal Report" |
| EIA-812 | "Monthly Product Pipeline Report" |
| EIA-813 | "Monthly Crude Oil Report" |
| EIA-814 | "Monthly Imports Report" |
| EIA-816 | "Monthly Natural Gas Liquids Report" |
| EIA-817 | "Monthly Tanker and Barge Movement Report" |
| EIA-819M | "Monthly Oxygenate Telephone Report" |
| EIA-820 | "Biennial Refinery Report" |

Forms EIA-800 through 804 comprise the Weekly Petroleum Supply Reporting System (WPSRS). A sample of all petroleum companies report weekly data to the Energy Information Administration (EIA) on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Data collected from the WPSRS are used to develop estimates of the most current monthly quantities in the Summary Statistics section of the *Petroleum Supply Monthly* (PSM) and which appear in the *Weekly Petroleum Status Report* (WPSR).

The Form EIA-807, "Propane Telephone Survey" is used to collect data on production, stocks, and imports of propane. These data are used to monitor the supply of propane and to report to the Congress and others on supplies when requested. Data are collected from a sample of respondents reporting on the Monthly Petroleum Supply Reporting System (MPSRS) surveys. Data are collected on a weekly basis during the heating season (October through March) and published electronically in the *Winter Fuels Report*. During the non-heating season (April through September) data are collected on end-of-month stocks only. These data are published in the *WPSR*.

Forms EIA-810 through 814, 816, and 817 comprise the MPSRS. These surveys are used to collect detailed refinery/blender and natural gas plant operations data; refinery/blender, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. A description of the MPSRS forms follows in Explanatory Note 2.

Data from these surveys are published in preliminary form in the *PSM*. They are published in final form in the *Petroleum Supply Annual* (PSA), Volumes 1 and 2.

Summary information on the revision error between preliminary and final data is published once a year in the *PSM* feature article entitled, "Accuracy of Petroleum Supply Data." The last article was published in the September 1996 issue and evaluated the accuracy of the data for the current year compared with the previous year.

The Form EIA-819M, "Monthly Oxygenate Telephone Report," is used to collect preliminary data on production and stocks of oxygenates by PAD District. These data are

used to monitor the supply of oxygenates. Data are collected from a sample of respondents reporting on the MPSRS surveys and from the universe of oxygenate producers. Data are published in Appendix D of this publication and in the *WPSR*.

The Form EIA-820, "Annual Refinery Report," is used to collect data on refinery fuel use and consumption of steam and electricity, refinery receipts of crude oil by method of transportation, operable capacity for atmospheric crude oil distillation units and downstream units, as well as production capacity and storage capacity for petroleum products. This survey is the primary source of data in the Refinery Capacity section of the *PSA* Volume 1.

## Note 2. Monthly Petroleum Supply Reporting System

The Monthly Petroleum Supply Reporting System (MPSRS) was implemented in January 1983 as the result of an extensive effort by the Energy Information Administration (EIA) to integrate the collection and processing of petroleum supply data that had been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the U.S. Bureau of Mines began collecting data on refinery operations, crude oil stocks and movements. The collection systems were further expanded in 1925 to include natural gas plant liquids production and storage, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS was the first effort to make them all consistent and comparable. The forms that comprise the MPSRS are:

| Form Number | Name |
|---|---|
| EIA-810 | "Monthly Refinery Report" |
| EIA-811 | "Monthly Bulk Terminal Report" |
| EIA-812 | "Monthly Product Pipeline Report" |
| EIA-813 | "Monthly Crude Oil Report" |
| EIA-814 | "Monthly Imports Report" |
| EIA-816 | "Monthly Natural Gas Liquids Report" |
| EIA-817 | "Monthly Tanker and Barge Movement Report" |
| EIA-819M | "Monthly Oxygenate Telephone Report" |

### Respondent Frame

Form EIA-810, "Monthly Refinery Report" - Operators of all operating and idle petroleum refineries and blending plants located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions. Approximately 260 respondents report on the Form EIA-810.

Form EIA-811, "Monthly Bulk Terminal Report" - Every bulk terminal operating company located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and other U.S. possessions. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. In addition, the Form EIA-811 must be completed by merchant oxygenate plants that produce oxygenates. Approximately 320 respondents report on the Form EIA-811.

Form EIA-812, "Monthly Product Pipeline Report" - All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 80 respondents report on the Form EIA-812.

Form EIA-813, "Monthly Crude Oil Report" - All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil (except refineries), and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 175 respondents report on the Form EIA-813.

Form EIA-814, "Monthly Imports Report" - All companies, including subsidiary or affiliated companies, that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia and must be reported. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity. Approximately 220 respondents report on the Form EIA-814.

Form EIA-816, "Monthly Natural Gas Liquids Report" -Operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 585 respondents report on the Form EIA-816.

Form EIA-817, "Monthly Tanker and Barge Movement Report" -All companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense (PAD) Districts or between the Panama Canal and the United States. For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies which lease

vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 40 respondents report on the Form EIA-817.

Form EIA-819M, "Monthly Oxygenate Telephone Report" - The sample of companies that report on the EIA-819M are selected from the universe of companies that report on the MPSRS surveys and from the universe of oxygenate producers. The universe consists of (1) operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations); (2) operators of petroleum refineries; and (3) operators of bulk terminals, bulk stations, blending plants, and other nonrefinery facilities that store and/or blend oxygenate. Approximately 85 respondents report on the Form EIA-819M.

### Sampling

The sampling procedure used for the survey Form EIA-819M is the cut-off method and is performed using software developed by EIA's Office of Statistical Standards. In the cut-off method, companies are ranked from largest to smallest on the basis of quantities reported (oxygenate production and oxygenate stocks.) Companies are chosen for the sample beginning with the largest and adding companies until the total sample covers approximately 90 percent of the total for each oxygenate item and supply type by geographic region (PAD Districts I through V) for which data may be published.

### Description of Survey Forms

The Form EIA-810, "Monthly Refinery Report," is used to collect data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products.

The Form EIA-811, "Monthly Bulk Terminal Report," is used to collect data on end-of-month stock levels of finished petroleum products by State in the custody of the bulk terminal company or merchant oxygenate plant regardless of ownership. Leased tankage at other facilities is excluded. All domestic and foreign stocks held at bulk terminals and in-transit thereto, except those in-transit by pipeline are included. Petroleum products in-transit by pipeline are reported by pipeline operators on Form EIA-812, "Monthly Product Pipeline Report."

The Form EIA-812, "Monthly Product Pipeline Report," is used to collect data on end-of-month stock levels and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, "Monthly Crude Oil Report," is used to collect data on end-of-month stocks of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis.

Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks.

Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts are not included.

The Form EIA-814, "Monthly Imports Report," is used to collect data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia.

The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, other hydrocarbons/hydrogen/oxygenates and blending components only.

The Form EIA-816, "Monthly Natural Gas Liquids Report," is used to collect data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, "Monthly Tanker and Barge Movement Report," is used to collect data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819M, "Monthly Oxygenate Telephone Report," is used to collect data on production and stocks

of oxygenates. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Data are reported on a PAD District basis.

### Collection Methods

Except for the EIA-819M, survey forms for the MPSRS can be submitted by mail, facsimile, or electronic transmission. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month. Data collection for the 819M begins on the seventh working day of each month. Data are solicited by telephone or transmitted to the EIA by facsimile. Receipt of the reports are monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline.

### Response Rate

The response rate is generally 98 to 100 percent. Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

### Data Imputation

Imputation is performed for companies that fail to file Forms EIA-810 through 813, 816, and 819M. For such companies, previous monthly values are used for current values.

On the EIA-819M, data are aggregated for each geographic region. Estimation factors, which are derived from the previous year's data, are then applied to each cell to generate published estimates.

Data for nonrespondents on the Forms EIA-814 and 817 are not imputed because these data series, by respondent, are highly variable.

### Confidentiality

The Office of Legal Counsel of the Department of Justice concluded on March 20, 1991, that the Federal Energy Administration Act requires the EIA to provide company-specific data to the Department of Justice, or to any Federal agency when requested for official use, which may include enforcement of Federal law. The information contained on this form may also be made available, upon request, to another component of the Department of Energy (DOE), to any Committee of Congress, the General Accounting Office, or other Congressional agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order.

The information contained on Forms EIA-810 through 813, 816, 817, and 819M are kept confidential and not disclosed to the public to the extent that they satisfy the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. 552, the Department of Energy (DOE) regulations, 10 C.F.R. 1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. 1905. The information contained on Form EIA-814 are not considered confidential and historically has not been treated as such.

Upon receipt of a request for this information under the FOIA, the DOE shall make a final determination whether the information is exempt from disclosure in accordance with the procedures and criteria provided in the regulations. To assist us in this determination, respondents should demonstrate to the DOE that, for example, their information contains trade secrets or commercial or financial information whose release would be likely to cause substantial harm to their company's competitive position. A letter accompanying the submission that explains (on an element-by-element basis) the reasons why the information would be likely to cause the respondent substantial competitive harm if released to the public would aid in this determination. A new justification does not need to be provided each time information is submitted on the form, if the company has previously submitted a justification for that information and the justification has not changed. Company specific data are also provided to other DOE offices for the purpose of examining operations in the context of emergency response planning and actual emergencies.

The data collected on Forms EIA-810 through 814, 816, and 817 appear in EIA publications such as *Petroleum Supply Monthly* (PSM), *Monthly Energy Review*, *Petroleum Supply Annual* (PSA), and the *Annual Energy Review.*

Data on the breakdown between liquefied refinery gases and olefins, and lubricants is suppressed on *PSM* Table 29, "Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts" and the corresponding *PSA* table to avoid disclosure of company identifiable data.

Statistics representing data aggregated from less than three companies or aggregated data representing 60 percent or more of a single company's data are suppressed on the PSM and corresponding PSA tables listed below. In addition, complementary suppression is performed to avoid any residual disclosure.

- Table 28, "Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts," (inputs of oxygenates)
- Table 30, "Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts," (stocks of oxygenates)
- Table 51, "Stocks of Crude Oil and Petroleum Products by PAD District," (stocks of oxygenates)
- Table 52, "Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products," (all products)
- Table D2, "Monthly Fuel Ethanol Production and Stocks by PAD Districts," and
- Table D3, "Monthly MTBE Production and Stocks by PAD Districts."

With the exception of the tables listed above, the tables in the *PSM* (and corresponding PSA tables) are not subject to statistical nondisclosure procedures. Thus, there may be some table cells which are based on data from only one or two respondents, or which are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable user of the data to make inferences about the data reported by a specific respondent.

## Note 3. Technical Notes for Detailed Statistics Tables

The detailed statistics tables in the *Petroleum Supply Monthly* (PSM) provide complete supply and demand information for the current year. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District summary data at the front followed by tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following technical notes are provided. Column and row headings are defined in the Glossary.

### Supply

**Field Production** - Field production is the sum of crude oil production, natural gas plant liquids production, other liquids production, and finished petroleum products production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to Explanatory Note 4 for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs) in this column.

Other liquids field production is calculated by forcing the product supplied to be zero; thereby backing into field production.

Field production of finished petroleum products is calculated by (1) adding the amount of fuel ethanol that has been blended into finished motor gasoline, and (2) plus (+) or minus (-) the field production of motor gasoline blending components. Refer to Explanatory Note 8 for a further discussion of this calculation.

Negative field production of motor gasoline blending components represents an understatement for finished motor gasoline.

Negative field production of other finished motor gasoline represents an overstatement of other finished motor gasoline and an understatement of oxygenated motor gasoline.

**Refinery Production** - Published production of these products equal refinery production minus refinery input. Refinery production of other hydrocarbons, hydrogen and oxygenates, unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input. Negative refinery production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

**Unaccounted for Crude Oil** - This column is a balancing item for crude oil. This data element represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production and imports. Crude oil disposition is the sum of stock change, losses, refinery inputs, exports, and products supplied. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems). A negative result indicates that more crude oil was reported to have been supplied to refiners and exporters than they reported to have used.

### Disposition

**Stock Change** - This column is calculated as the difference between the Ending Stocks column of this table and the Ending Stocks column of this table in the prior month's publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

**Crude Losses** - The volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc., as opposed to refining processing losses or gains.

**Refinery Inputs** - Refinery inputs of crude oil and intermediate materials (unfinished oils, gasoline blending components, other hydrocarbons and oxygenates, lique-

fied petroleum gases, and pentanes plus) that are processed at refineries to produce finished petroleum products.

Crude oil inputs represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (i.e., catalytic cracking units, cokers).

Inputs of natural gas liquids are natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas liquids are reported on a gross basis.

Inputs of unfinished oils, motor and aviation gasoline blending components, and other hydrocarbons and oxygenates are published on a net basis (i.e., refinery input minus refinery production).

Inputs of finished petroleum products are published on a net basis (i.e., refinery production minus refinery inputs) and displayed under the refinery production column.

**Exports** - Exports include crude oil shipments from the 50 States to Puerto Rico, and the Virgin Islands.

**Products Supplied** - Products supplied is equal to field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts on a PAD District basis), minus stock change, minus crude losses, minus refinery inputs, minus exports.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel. Prior to January 1983, crude oil burned on leases and by pipelines as fuel were reported as either distillate or residual fuel oil and were included in product supplied for these products.

### Yields

The refinery yield of finished motor gasoline is calculated by subtracting the inputs of pentanes plus, liquefied petroleum gases, other hydrocarbons/oxygenates and motor gasoline blending components from the production of finished motor gasoline before dividing by the sum of crude oil input and unfinished oils input (net).

The refinery yield of finished aviation gasoline is calculated by subtracting the inputs of aviation gasoline blending components from the production of finished aviation gasoline before dividing by the sum of crude oil input and unfinished oils input (net).

Refinery yields for all products (except finished motor gasoline and finished aviation gasoline) are calculated by dividing the production for each product by the sum of crude oil input and unfinished oils input (net) reported in the U.S. total.

### Stocks

Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers.

### Movements

Movements of crude oil by pipeline between PAD Districts include trunk pipeline companies (interstate, intrastate, and intracompany pipelines). Intermediate movements for crude oil pipeline systems operating in more than two PAD Districts are not included.

Movements of petroleum products by pipeline between PAD Districts include trunk pipeline companies (interstate, intrastate and intracompany pipelines). Intermediate movements for product pipeline systems operating in more than two PAD Districts are included. For example, a shipment originating in PAD District 3, passing through PAD District 2 to PAD District 1, is reported as a movement from PAD District 3 to PAD District 2 and also from PAD District 2 to PAD District 1.

Waterborne movements of crude oil and petroleum products between PAD Districts include all shipments of crude oil or petroleum products for which the transporter has custody at the time of shipment. Custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker and barge.

## Note 4. Domestic Crude Oil Production

The Energy Information Administration (EIA) collects monthly crude oil production data on an ongoing basis. Data on crude oil production for States are reported to the EIA by State government agencies. Data on crude oil production for Federal offshore areas are reported to the EIA by the Minerals Management Service of the U.S. Department of the Interior and the California Department of Conservation.

Currently, all except four crude oil producing States (Michigan, New York, Ohio, and Pennsylvania) report production on a monthly basis. These four States report crude oil production on an annual basis. Estimates of monthly crude oil production for these four States are made by the EIA using data reported on Form EIA-182,

"Domestic Crude Oil First Purchase Report." After the end of each calendar year, the monthly crude oil production estimates are updated using annual reports from various State agencies, the Minerals Management Service, and the California Department of Conservation. The final estimate is published in the *Petroleum Supply Annual* (PSA).

Table 26 of this publication provides estimates of crude oil production in the latest month for which most State production data are available. There is a time lag of approximately 4 months between the end of the production month and the time when most monthly State crude oil production data become available.

In order to present more timely crude oil production estimates, the EIA prepares a weekly crude oil production estimate, which is used in the *Weekly Petroleum Status Report* (WPSR). At the end of the production month, these weekly estimates are aggregated into an original estimate of monthly crude oil production. Approximately 45 days later, this original estimate is replaced by State-level interim estimates. The State-level interim estimates are based on: (a) data reported by the States (e.g., production data for Alaska are typically reported to the EIA before the interim estimate is made); (b) first purchase data reported on Form EIA-182, "Domestic Crude Oil First Purchase Report;" (c) exponential or hyperbolic curve fitted projections based on recent State data; or (d) constant level projections based on the average production rate during a recent time period.

Table B1 is intended to provide further insight into the EIA's estimates of monthly U.S. crude oil production. It shows: (a) how the aggregate of reported State data evolves over a period of 18 months; (b) the number of producing States that have not reported production for a given month within that period; and (c) various EIA estimates of monthly crude oil production within that period:

- The original estimate is a monthly aggregate of the weekly crude oil production estimates published in the *WPSR*. This original monthly estimate is used in the *Petroleum Supply Monthly* (PSM) Tables S1 and S2 until replaced by the interim estimate.

- The interim estimate is used in the *PSM* Tables 1 through 25, and in Tables S1 and S2 until replaced by the final estimate.

- The initial estimate based upon first purchase data collected on the Form EIA-182 is used as an estimation tool in generating the interim estimate. The initial volume represents the best estimate available 40 days after the end of the production month and includes imputation for nonresponse and possible reporting errors. The revised volume is the best estimate available about 70 days after the production month and includes imputation as needed. A final revision is published concurrent with publication of Form EIA-182 price data in the Petroleum Marketing Annual.

- The final estimate is published in the *PSA*.

## Note 5. Export Data

Each month the Energy Information Administration (EIA) receives magnetic tapes of aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594).

Census export statistics used in the *Petroleum Supply Monthly* (PSM) reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

(1) Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.

(2) Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

### Source of Export Information

The official U.S. export statistics are compiled by the U.S. Bureau of the Census. Exporters are required to file export documents with U.S. Customs officials (Customs Form 7525).

### Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

## Note 6. Quality Control and Data Revision

### Quality Control

The Energy Information Administration (EIA) monitors the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. Through a tracking system, the EIA provides insight into the activities of primary operators and distributors in the petroleum industry. The tracking system, known as the Petroleum Supply Reporting System (PSRS), consists of production,

## Table B1. U.S. Crude Oil[a] Production Estimates and Reported States[b] Data by Month
(Thousand Barrels per Day)

| Date of Data Availability | Month of Production | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-96 | 1-97 | 2-97 | 3-97 | 4-97 | 5-97 | 6-97 | 7-97 | 8-97 | 9-97 | 10-97 | 11-97 | 12-97 | 1-98 | 2-98 | 3-98 | 4-98 | 5-98 |
| | **Reported State Data** | | | | | | | | | | | | | | | | | |
| 2-14-97 | 1889 | 0 | | | | | | | | | | | | | | | | |
| 3-14-97 | 4599 | 1904 | 0 | | | | | | | | | | | | | | | |
| 4-14-97 | 4511 | 1811 | 1408 | 0 | | | | | | | | | | | | | | |
| 5-14-97 | 4817 | 4807 | 4472 | 1802 | 0 | | | | | | | | | | | | | |
| 6-14-97 | 4871 | 4673 | 4490 | 1764 | 1344 | 0 | | | | | | | | | | | | |
| 7-14-97 | 5837 | 4677 | 4712 | 4436 | 1759 | 1415 | 0 | | | | | | | | | | | |
| 8-14-97 | 5839 | 4699 | 4768 | 4722 | 4586 | 1780 | 1318 | 0 | | | | | | | | | | |
| 9-14-97 | 5864 | 5671 | 5762 | 4723 | 4696 | 4572 | 1716 | 1347 | 0 | | | | | | | | | |
| 10-14-97 | 5869 | 5675 | 5775 | 5716 | 5670 | 4646 | 4420 | 1642 | 1359 | 0 | | | | | | | | |
| 11-14-97 | 6238 | 5685 | 5787 | 5732 | 5697 | 5668 | 4644 | 2811 | 1653 | 1382 | 0 | | | | | | | |
| 12-14-97 | 6298 | 5741 | 5854 | 5799 | 5782 | 5789 | 5731 | 4577 | 4216 | 1721 | 1669 | 0 | | | | | | |
| 1-14-98 | 6297 | 5741 | 5853 | 5799 | 5785 | 5793 | 5764 | 5498 | 4513 | 4471 | 1708 | 1440 | 0 | | | | | |
| 2-14-98 | 6297 | 5741 | 5854 | 5804 | 5788 | 5798 | 5786 | 5626 | 5542 | 4498 | 4249 | 1733 | 1340 | 0 | | | | |
| 3-14-98 | 6297 | 5957 | 6076 | 6023 | 6008 | 5994 | 5786 | 5627 | 5544 | 4614 | 4582 | 4489 | 1812 | 1289 | 0 | | | |
| 4-14-98 | 6297 | 5973 | 6075 | 6026 | 6011 | 6020 | 5826 | 5763 | 5715 | 5826 | 5656 | 4597 | 4453 | 1743 | 1246 | 0 | | |
| 5-14-98 | 6297 | 6040 | 6136 | 6084 | 6061 | 6094 | 6064 | 6016 | 5973 | 6082 | 5901 | 5890 | 4757 | 4470 | 1702 | 1235 | 0 | |
| 6-14-98 | 6297 | 6444 | 6506 | 6451 | 6409 | 6450 | 6404 | 6016 | 5976 | 6111 | 6071 | 6127 | 5927 | 4662 | 4254 | 1638 | 1213 | 0 |
| | **Producing States Without Reported Monthly Production** | | | | | | | | | | | | | | | | | |
| 6-14-98 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 9 | 13 | 22 | 28 | 33 |

| | Month of Production | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 12-96 | 1-97 | 2-97 | 3-97 | 4-97 | 5-97 | 6-97 | 7-97 | 8-97 | 9-97 | 10-97 | 11-97 | 12-97 | 1-98 | 2-98 | 3-98 | 4-98 | 5-98 |
| | **Production Estimates** | | | | | | | | | | | | | | | | | |
| **Estimate** | | | | | | | | | | | | | | | | | | |
| Original[e] ..... | 6509 | 6495 | 6494 | 6431 | 6437 | 6429 | 6376 | 6349 | 6291 | 6380 | 6396 | 6406 | 6457 | 6389 | 6407 | 6405 | 6413 | 6374 |
| Interim[f]..... | 6448 | 6387 | 6514 | 6470 | 6483 | 6401 | 6341 | 6316 | 6282 | 6388 | 6435 | 6450 | 6475 | 6438 | 6538 | 6465 | 6484 | |
| Form EIA-182 | | | | | | | | | | | | | | | | | | |
| Initial ..... | 5941 | 5837 | 5951 | 5879 | 5955 | 5937 | 5862 | 5798 | 5716 | 5868 | 5887 | 5848 | 5823 | 5765 | 5894 | 5763 | 5858 | |
| Revised .... | 5970 | 5856 | 5855 | 5991 | 5957 | 5892 | 5862 | 5795 | 5707 | 5784 | 5834 | 5841 | 5765 | 5880 | 5910 | 5770 | | |
| Final[g] ..... | 6506 | | | | | | | | | | | | | | | | | |

[a] Includes lease condensate.
[b] Includes Federal offshore areas, Gulf of Mexico (PADD III) and Pacific (PADD V), as two separate reporting entities.
[c] Includes EIA prorated monthly production in 1995 (annual average of 55 thousand barrels per day) for three States (Michigan, New York, and Ohio) for which only annual State data are available. Includes EIA prorated monthly production in 1996 (annual average of 53 thousand barrels per day) for three States (Michigan, New York, and Ohio) for which only annual State data are available.
[d] Michigan, New York, and Ohio are counted as having monthly reported data in 1995 after their annual reports were received. These data are first reported as of 5-16-96. Michigan, New York, and Ohio are counted as having monthly reported data in 1996 after their annual reports were received. These data are first reported as of 5-28-97.
[e] Original estimates are weighted averages based on the weekly estimates published in the *Weekly Petroleum Status Report*.
[f] Interim estimates were made 44 days after the end of the production month.
[g] Published in the *Petroleum Supply Annual* 1994, DOE/EIA 0340(94)/2.

inputs, imports, inventories, movements, and other petroleum-related data collected on weekly, monthly, and annual surveys.

Survey forms are periodically reviewed for completeness, meaningfulness, and clarity. Modifications are made, when needed, to maintain efficient measure of the intended data items and to track product movement accurately throughout the industry. Through this process, the EIA can maintain consistency among forms, minimize respondent burden, and eliminate ambiguity.

### Sampling and Nonsampling Errors

There are two types of errors usually associated with data produced from a survey: nonsampling errors and sampling errors. Because the estimates for the monthly surveys 810 through 813, 816, and 817 are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to nonsampling errors. Nonsampling errors, sometimes referred to as biases, are those which can arise from a number of sources: (1) the inability to obtain data from all companies in the frame or sample (nonresponse and the method used to account for nonresponses, (2) definitional difficulties and/or improperly worded questions which lead to different interpretations. (3) mistakes in recording or coding the data obtained from respondents, and (4) other errors of collection, response, coverage, and estimation.

Response rates on the monthly surveys are very high. In general, response rates average above 95 percent for the weekly survey and above 98 percent for monthly surveys. Whenever survey responses are not received in time to be included in published statistics, the data are imputed. Although imputing for missing data may not eliminate the total error associated with nonresponse, it can serve to reduce the error. The data reported in the previous month are used as imputed values for missing data for all surveys except the Forms EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movement Report." There is no imputation procedure for these surveys because these data series, by respondent, are highly variable.

Response error is the major factor affecting the accuracy of PSRS data. Response, or reporting error, is the difference between the true value and the value reported on a survey form. Response error can occur for any number of reasons. For example, figures may be entered incorrectly when written on forms by the respondent, or errors may result from the misunderstanding of survey form instructions or definitions. Response error can also occur from the use of preliminary data when final data are not available. This can result in differences between published preliminary and final data. To help detect and minimize probable reporting errors, automated editing procedures are used to check current data for consistency with past data, as well as for internal consistency (e.g., totals equal to the sums of the parts), and to flag those data elements that fail edit criteria.

Errors can also be introduced during data processing. For example, while creating computer data files, key errors can occur in transcribing or coding the data; or information can be entered into the wrong cell. Using well designed edit criteria which examine orders of magnitude, cell position, and historical reporting patterns, many of these errors can be identified and corrected.

Monthly data are compared to weekly data on a regular basis. Discrepancies betweenly weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the Petroleum Supply Division is performed each year. The results of this data comparison are published once a year in the *Petroleum Supply Monthly* (PSM) feature article, "Comparison of Independent Statistics on Petroleum Supply."

Sampling errors are those errors that occur when survey estimates are based on a sample rather than being derived from a complete census of the frame. The 819M data, which are based on sample estimates, serve as leading indicators of the PSRS monthly data for oxygenates. To assess the accuracy of the 819M statistics, data are compared with the monthly aggregate data for the EIA-810, 811, and 812 surveys. Although monthly data are still subject to error, they have been thoroughly reviewed and edited, and are considered to be the most accurate data available.

### Data Revision

Resubmissions are any changes to the originally submitted data that were either requested by the EIA or initiated by the respondent. Resubmissions are compared with the original submission and processed at the time of receipt. For Forms EIA-810 through 813, 816, and 817 the Resubmission Tracking System (RTS) is run after resubmissions have been processed for the month. The RTS enables the user to study major products and data series to see how company resubmissions impact published data on a month by month basis. During the processing year, a summary of the effect of these resubmissions to major series is provided in Appendix C.

For the EIA-819M data, a determination is made on whether to process the resubmissions based on the magnitude of the revision. Cell entries on publication tables are marked with an "R" for revised.

### Late Response

Respondents who fail to respond within the prescribed time limit (25th day following the end of the report month)

become nonrespondents for that particular report period and are contacted by phone to obtain the current month's data. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA either by letter or telephone.

### Nonresponse

Follow-up action is taken when a company fails to respond adequately to data requests from the EIA. Preliminary attempts to gather delinquent reports are made by phone. Noncompliance form letters are sent to those companies that have not submitted reports and have not responded to data requests by phone.

## Note 7. Frames Maintenance

The Petroleum Supply Division (PSD) maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of "Who Must Submit" participate in the survey.

The activities for frames maintenance are conducted on a monthly and annual basis. Monthly frames maintenance procedures focus on examining several frequently published industry periodicals that report changes in status (births, deaths, sales, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Annual frames maintenance focuses on re-evaluating the "must submit" companies filing the Form EIA-814 and reviewing the sample frame for the Form EIA-819M, "Monthly Oxygenate Telephone Report."

To supplement monthly and annual frames maintenance activities and to provide more thorough coverage, the PSD periodically conducts a comprehensive frames investigation. These investigations result in the reassessment and recompilation of the complete frame for each survey. The effort also includes the evaluation of the impact of potential frame changes on the historical time series data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

## Note 8. Practical Limitations of Data Collection Efforts

### Crude Oil Lease Stock Adjustment

End-of-month crude oil stocks held on leases are reported on the EIA-813, "Monthly Crude Oil Report." However, only those companies that store 1,000 barrels or more of crude oil are required to submit a report. Previous frames analysis has shown that crude oil stocks held on leases reported to the EIA are consistently lower than the lease stocks reported to individual states.

Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states — Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level.

### Trans Alaskan Pipeline System Adjustment

Beginning with the January 1989 data, adjustments are made to refinery inputs and product supplied of natural gas liquids (NGLs) and refinery inputs of crude oil to account for refiner misreporting. Substantial volumes of NGLs are produced at natural gas processing plants in Alaska and injected into the crude oil moving in the Trans Alaska Pipeline System (TAPS). Refiners receiving any crude oil commingled with NGLs are instructed to report the NGL portion of that stream separately from the crude oil portion. This has not been done for Alaskan crude oil because refiners are unable to identify these volumes for accounting purposes. As a result, the NGL production in Alaska has been credited directly toward product supplied and also toward product supplied from refinery production when the refiner processes the crude oil-NGL mixture. In addition, the reporting of the commingled stream as crude oil by the refiner has overstated crude oil inputs and resulted in an increase in unaccounted for crude oil equal to the volume of NGL in the crude oil.

To offset this reporting error, an adjustment is made to refinery input in all PAD Districts receiving Alaskan crude oil. The adjustment reduces the crude oil inputs and increases the NGL inputs by an equal amount. Each PAD District adjustment is a portion of the known Alaskan-NGL production that is proportional to the PAD District's share of Alaskan crude oil received at all refineries in the United States. The greatest impact occurs in PAD District V for butane and pentanes plus.

The reporting problem which began in 1987 grew as injections on NGLs into the TAPS increased. Data for 1988 was revised in the *Petroleum Supply Annual* to account for the adjustment.

### Finished Motor Gasoline Product Supplied Adjustment

Beginning with the reporting of January 1993 data, adjustments were made to the product supplied series for finished motor gasoline. It was recognized that motor gasoline statistics published by the EIA through 1992 were underreported because the reporting system was not collecting all fuel ethanol and motor gasoline blending components being blended downstream from the refinery. The EIA was able to quantify these volumes and make corrective adjustments for 1992 in 1993 (refer to Table B2).

### Fuel Ethanol Adjustment

Prior to 1993, an estimated 60 to 70 thousand barrels per day of fuel ethanol were added to motor gasoline to produce gasohol but were not included in the EIA finished motor gasoline production data. In 1992, the EIA attempted to collect these data from downstream fuel ethanol motor gasoline blenders but found that this effort was impractical and the results were inaccurate.

Beginning in January 1993, an estimate for the missing fuel ethanol blended into motor gasoline was calculated. This estimate was calculated as production (from the EIA-819M, "Monthly Oxygenate Telephone Report"), plus imports (from the EIA-814, "Monthly Imports Report"), minus inputs at refineries (from the EIA-810, "Monthly Refinery Report"), plus or minus stock change (from the EIA-819M survey). This estimate for the amount of fuel ethanol blended into motor gasoline was added to Table 1 for Natural Gas Liquids Field Production (line 14) and in the Field Production column for finished motor gasoline in Tables 2 through 25 published in the *PSM*.

An estimate for the total amount of gasohol produced with the ethanol is given as 10 times the estimated fuel ethanol blended (this assumes a 10 percent ethanol blend). This amount is added to the column labeled field production of "oxygenated gasoline" and subtracted from the field production of "other" finished gasoline. The PAD District level detail was obtained by allocating the national level estimates according to the percent of gasohol sales from the U.S. Department of Transportation, Federal Highway Administration, *Monthly Motor Fuel Reported by States*, 1994.

### Motor Gasoline Blending Component Adjustment

Prior to 1993, the EIA published a "product supplied" for motor gasoline blending components. Since these components are to be blended into finished motor gasoline, there is no actual demand for this intermediate product. The EIA corrected this series by including the quantity of "product supplied" for motor gasoline blending components with "other" finished motor gasoline. This change was accomplished in Tables 2 through 25 by adding product supplied for motor gasoline blending components to the column labeled field production of "other" motor gasoline, and subtracting it from the field production column for "motor gasoline blending components."

### Fuel Ethanol Stock Adjustment

Total end-of-month stocks of fuel ethanol are underreported in the PSRS because of the inability to collect data from downstream fuel ethanol motor gasoline blenders. Total stocks of fuel ethanol are assumed to be those reported by ethanol producers on the Form EIA-819M, "Monthly Oxygenate Telephone Report." The difference between the stocks reported on the EIA-819M and the stocks reported in the PSRS (from refiners, bulk terminal and pipeline operators) is added to the stocks shown for bulk terminals. If the stocks for the PSRS are higher than those reported on the EIA-819M, no adjustment is made.

## Note 9. 1994 Changes in the Petroleum Supply Monthly

Effective with January 1994 data, several enhancements were made to the tables in the *Petroleum Supply Monthly* to reflect changes in the petroleum industry and to provide more meaningful petroleum statistics. These changes primarily affect data reported for imports, exports, and product supplied.

- On December 31, 1992, Ecuador withdrew as a member of the Organization of Petroleum Exporting Countries (OPEC). As of January 1994, imports of petroleum from Ecuador now appear under imports from Non-OPEC sources. No revision was made to 1993 data. Countries have been realphabetized accordingly. This change is evident in Tables S3 and 35 through 44, 49 and 50.

- Exports data are now published for oxygenates and the sub-categories of finished motor gasoline (reformulated, oxygenated, and other) and distillate fuel oil (0.05% sulfur and under, and greater than 0.05% sulfur).

- Product supplied is now calculated for reformulated, oxygenated, and other finished motor gasoline as well as the sulfur categories of distillate fuel oil (0.05% sulfur and under, and greater than 0.05% sulfur).

## Table B2. Finished Motor Gasoline Product Supplied Adjustment, 1994 - Present (Thousand Barrels per Day)

| Item/Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Avg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1994** | | | | | | | | | | | | | |
| Fuel Ethanol Adj | 86 | 73 | 76 | 71 | 69 | 63 | 65 | 73 | 59 | 90 | 82 | 82 | 74 |
| Motor Gas Blending | 33 | -7 | 27 | 58 | 51 | 82 | 98 | 98 | 81 | -16 | 56 | 113 | 57 |
| Product Supplied | 6,980 | 7,275 | 7,395 | 7,564 | 7,644 | 7,922 | 7,884 | 7,975 | 7,615 | 7,548 | 7,464 | 7,924 | 7,601 |
| **1995** | | | | | | | | | | | | | |
| Fuel Ethanol Adj | 66 | 66 | 79 | 74 | 58 | 81 | 49 | 36 | 57 | 72 | 91 | 58 | 65 |
| Motor Gas Blending | 8 | 37 | 56 | 86 | 131 | 113 | 46 | 110 | 35 | 89 | 28 | 29 | 64 |
| Product Supplied | 7,163 | 7,481 | 7,788 | 7,651 | 7,894 | 8,220 | 7,888 | 8,187 | 7,786 | 7,781 | 7,866 | 7,742 | 7,789 |
| **1996** | | | | | | | | | | | | | |
| Fuel Ethanol Adj. | 58 | 53 | 49 | 37 | 27 | 14 | 9 | 20 | 23 | 36 | 44 | 38 | 34 |
| Motor Gas Blending | 39 | 23 | -16 | 14 | 5 | 66 | 2 | -18 | 2 | 40 | 53 | 31 | 20 |
| Product Supplied | 7,254 | 7,552 | 7,729 | 7,869 | 7,998 | 8,089 | 8,135 | 8,216 | 7,641 | 8,038 | 7,875 | 7,775 | 7,849 |
| **1997** | | | | | | | | | | | | | |
| Fuel Ethanol Adj. | 39 | 50 | 51 | 46 | 48 | 38 | 59 | 37 | 47 | 69 | 50 | 61 | 50 |
| Motor Gas Blending | -20 | 61 | -27 | 87 | 73 | 113 | 89 | 95 | 115 | 107 | 165 | 80 | 78 |
| Product Supplied | 7,301 | 7,668 | 7,796 | 8,064 | 8,139 | 8,288 | 8,496 | 8,233 | 8,023 | 8,141 | 7,965 | 8,065 | 8,017 |
| **1998** | | | | | | | | | | | | | |
| Fuel Ethanol Adj. | 60 | 50 | 54 | 50 | | | | | | | | | |
| Motor Gas Blending | 123 | 76 | 128 | 105 | | | | | | | | | |
| Product Supplied | 7,590 | 7,755 | 7,956 | 8,137 | | | | | | | | | |

Note: Totals may not equal sum of components due to independent rounding.

Source: • Fuel Ethanol Adjustment — 1994 -1997, Energy Information Administration (EIA), *Petroleum Supply Annual* (PSA), Volumes I and II (Table3, Motor gasoline field production minus motor gasoline blending component field production); 1998 —, EIA, *Petroleum Supply Monthly* (PSM), (Table 4). • Motor Gasoline Blending Component Adjustment — 1994 - 1997, EIA, *PSA*, Volumes I and II (Table 3; Motor gasoline blending component field adjustment) 1997 —, EIA, *PSM* (Table 4).

## Table C1. Impact of Resubmissions on Major Series, 1998
(Thousand Barrels per Day, Except Where Noted)

| Product | January | | February | | March | | April | | May | | June | | Year to Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | Average Difference |
| **Inputs** | **15,363** | **7** | **14,977** | **-23** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **-7** |
| Crude Oil | 14,313 | 6 | 14,034 | -23 | -- | -- | -- | -- | -- | -- | -- | -- | -8 |
| Pentanes Plus | 156 | -1 | 151 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -1 |
| LPGs | 356 | (s) | 320 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Ethane/Ethylene | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Propane/Propylene | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Normal Butane/Butylene | 247 | 0 | 197 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Isobutane/Isobutylene | 109 | (s) | 123 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Oth Hydrocbns/Oxygenates | 339 | 2 | 331 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| Unfinished Oils | 291 | -6 | 197 | -9 | -- | -- | -- | -- | -- | -- | -- | -- | -8 |
| Motor Gas. Blend. Comp | -89 | 5 | -50 | 9 | -- | -- | -- | -- | -- | -- | -- | -- | 7 |
| Aviation Gas. Blend. Comp | -1 | 0 | -6 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| **Production** | **18,387** | **-36** | **18,050** | **-58** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **-46** |
| Pentanes Plus | 319 | -18 | 322 | -17 | -- | -- | -- | -- | -- | -- | -- | -- | -17 |
| LPGs | 2,017 | -18 | 2,105 | -10 | -- | -- | -- | -- | -- | -- | -- | -- | -14 |
| Ethane/Ethylene | 655 | (s) | 675 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Propane/Propylene | 1,062 | -5 | 1,066 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -3 |
| Normal Butane/Butylene | 108 | -10 | 168 | -6 | -- | -- | -- | -- | -- | -- | -- | -- | -8 |
| Isobutane/Isobutylene | 191 | -3 | 195 | -3 | -- | -- | -- | -- | -- | -- | -- | -- | -3 |
| Oth Hydrocbns/Oxygenates | 320 | 3 | 300 | -4 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Motor Gas Blend. Comp. | -123 | 26 | -76 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | 13 |
| Finished Motor Gasoline | 7,749 | -30 | 7,485 | -7 | -- | -- | -- | -- | -- | -- | -- | -- | -19 |
| Reformulated | 2,359 | 0 | 2,311 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Oxygenated | 710 | -24 | 582 | -9 | -- | -- | -- | -- | -- | -- | -- | -- | -17 |
| Other | 4,680 | -6 | 4,592 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -2 |
| Finished Aviation Gasoline | 13 | -1 | 13 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Jet Fuel | 1,504 | 2 | 1,447 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Naphtha-Type Jet | 1 | 0 | (s) | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Kerosene-Type Jet | 1,503 | 2 | 1,447 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Kerosene | 102 | 4 | 77 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 3 |
| Distillate Fuel Oil | 3,321 | 1 | 3,297 | -10 | -- | -- | -- | -- | -- | -- | -- | -- | -4 |
| Residual Fuel Oil | 766 | (s) | 673 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Naphtha Pet. Feedstock | 239 | 1 | 236 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Other Oils Pet. Feedstock | 212 | (s) | 214 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Special Naphthas | 55 | 2 | 63 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Lubricants | 168 | 2 | 162 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Waxes | 23 | -3 | 26 | -2 | -- | -- | -- | -- | -- | -- | -- | -- | -3 |
| Petroleum Coke | 675 | -1 | 677 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -1 |
| Asphalt and Road Oil | 357 | -4 | 376 | -9 | -- | -- | -- | -- | -- | -- | -- | -- | -6 |
| Still Gas | 617 | -1 | 603 | -2 | -- | -- | -- | -- | -- | -- | -- | -- | -2 |
| Miscellaneous Products | 53 | 0 | 48 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| **Imports** | **9,893** | **-25** | **9,577** | **(s)** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **-13** |
| Crude Oil | 8,185 | -26 | 7,770 | -12 | -- | -- | -- | -- | -- | -- | -- | -- | -19 |
| Pentanes Plus | 38 | 0 | 19 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| LPGs | 202 | (s) | 277 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Ethane/Ethylene | 18 | 0 | 18 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Propane/Propylene | 139 | (s) | 204 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Normal Butane/Butylene | 28 | 0 | 31 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Isobutane/Isobutylene | 17 | 0 | 24 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Oth Hydrocbns/Oxygenates | 51 | 0 | 37 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Unfinished Oils | 289 | 0 | 261 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Motor Gas.Blend.Comp | 124 | 0 | 150 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Aviation Gas. Blend. Comp | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Finished Motor Gasoline | 265 | 0 | 303 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Reformulated | 155 | 0 | 196 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Oxygenated | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Other | 110 | 0 | 108 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Finished Aviation Gasoline | (s) | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Jet Fuel | 67 | 0 | 99 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Naphtha-Type Jet | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Kerosene-Type Jet | 67 | 0 | 99 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Kerosene | 3 | 0 | 2 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Distillate Fuel Oil | 187 | 0 | 183 | 8 | -- | -- | -- | -- | -- | -- | -- | -- | 4 |
| Residual Fuel Oil | 223 | 0 | 185 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Naphtha Pet. Feedstock | 39 | 0 | 96 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Other Oils Pet. Feedstock | 188 | 0 | 145 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Special Naphthas | 7 | 0 | 6 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Lubricants | 13 | 0 | 8 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Waxes | 1 | (s) | 2 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Petroleum Coke | 1 | 0 | 1 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Asphalt and Road Oil | 9 | 0 | 32 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Miscellaneous Products | (s) | 0 | (s) | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |

(s) = Less than 500 barrels per day.

Note: • Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

## Table C1. Impact of Resubmissions on Major Series, 1998
(Thousand Barrels per Day, Except Where Noted)

| Product | January | | February | | March | | April | | May | | June | | Year to Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | PSM Value | Differ-ence | Average Difference |
| **Stocks (Thousand Barrels)** | **1,575,800** | **-88** | **1,572,461** | **-32** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **-60** |
| Crude Oil (excl. SPR) | 320,862 | 218 | 322,250 | 258 | -- | -- | -- | -- | -- | -- | -- | -- | 238 |
| Pentanes Plus | 6,631 | 69 | 7,178 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 36 |
| LPGs | 73,318 | -385 | 68,657 | 14 | -- | -- | -- | -- | -- | -- | -- | -- | -186 |
| Ethane/Ethylene | 17,192 | 0 | 16,506 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Propane/Propylene | 34,671 | -229 | 32,228 | -15 | -- | -- | -- | -- | -- | -- | -- | -- | -122 |
| Normal Butane/Butylene | 12,954 | -147 | 11,656 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -73 |
| Isobutane/Isobutylene | 8,501 | -9 | 8,267 | 27 | -- | -- | -- | -- | -- | -- | -- | -- | 9 |
| Oth Hydrocbns/Oxygenates | 13,435 | 63 | 13,603 | -12 | -- | -- | -- | -- | -- | -- | -- | -- | 26 |
| Unfinished Oils | 93,194 | -587 | 98,064 | -346 | -- | -- | -- | -- | -- | -- | -- | -- | -467 |
| Motor Gas. Blend. Comp | 45,747 | 531 | 48,589 | 248 | -- | -- | -- | -- | -- | -- | -- | -- | 390 |
| Aviation Gas. Blend. Comp | 149 | 0 | 150 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Finished Motor Gasoline | 175,287 | 65 | 172,760 | 41 | -- | -- | -- | -- | -- | -- | -- | -- | 53 |
| Reformulated | 44,414 | 29 | 44,749 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 15 |
| Oxygenated | 1,127 | 0 | 827 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Other | 129,746 | 36 | 127,184 | 41 | -- | -- | -- | -- | -- | -- | -- | -- | 39 |
| Finished Aviation Gasoline | 1,774 | 7 | 1,504 | 5 | -- | -- | -- | -- | -- | -- | -- | -- | 6 |
| Jet Fuel | 44,203 | 71 | 42,250 | 95 | -- | -- | -- | -- | -- | -- | -- | -- | 83 |
| Naphtha-Type Jet | 34 | 0 | 32 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Kerosene-Type Jet | 44,169 | 71 | 42,218 | 95 | -- | -- | -- | -- | -- | -- | -- | -- | 83 |
| Kerosene | 6,209 | 32 | 5,602 | 22 | -- | -- | -- | -- | -- | -- | -- | -- | 27 |
| Distillate Fuel Oil | 133,059 | 131 | 127,929 | -23 | -- | -- | -- | -- | -- | -- | -- | -- | 54 |
| Residual Fuel Oil | 39,650 | -8 | 38,113 | -6 | -- | -- | -- | -- | -- | -- | -- | -- | -7 |
| Naphtha Pet. Feedstock | 1,898 | 25 | 2,181 | 31 | -- | -- | -- | -- | -- | -- | -- | -- | 28 |
| Other Oils Pet. Feedstock | 1,865 | 6 | 2,251 | 9 | -- | -- | -- | -- | -- | -- | -- | -- | 8 |
| Special Naphthas | 2,005 | -12 | 2,093 | -31 | -- | -- | -- | -- | -- | -- | -- | -- | -22 |
| Lubricants | 12,801 | 23 | 12,169 | 44 | -- | -- | -- | -- | -- | -- | -- | -- | 34 |
| Waxes | 989 | -214 | 1,026 | -241 | -- | -- | -- | -- | -- | -- | -- | -- | -228 |
| Petroleum Coke | 11,246 | 0 | 10,882 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Asphalt and Road Oil | 26,501 | -123 | 30,135 | -143 | -- | -- | -- | -- | -- | -- | -- | -- | -133 |
| Miscellaneous Products | 1,547 | 0 | 1,649 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| **Product Supplied** | **18,256** | **-86** | **18,322** | **-46** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **--** | **-67** |
| Crude Oil | 0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Pentanes Plus | 157 | -19 | 158 | -13 | -- | -- | -- | -- | -- | -- | -- | -- | -17 |
| LPGs | 2,331 | -6 | 2,177 | -23 | -- | -- | -- | -- | -- | -- | -- | -- | -14 |
| Ethane/Ethylene | 729 | (s) | 718 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Propane/Propylene | 1,475 | 2 | 1,329 | -9 | -- | -- | -- | -- | -- | -- | -- | -- | -3 |
| Normal Butane/Butylene | 40 | -5 | 25 | -11 | -- | -- | -- | -- | -- | -- | -- | -- | -8 |
| Isobutane/Isobutylene | 88 | -3 | 104 | -4 | -- | -- | -- | -- | -- | -- | -- | -- | -3 |
| Unfinished Oils | -120 | (s) | -109 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Aviation Gas. Blend. Comp | 1 | 0 | 5 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | 0 |
| Finished Motor Gasoline | 7,590 | -25 | 7,755 | -6 | -- | -- | -- | -- | -- | -- | -- | -- | -16 |
| Reformulated | 2,453 | 12 | 2,495 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 7 |
| Oxygenated | 707 | -24 | 592 | -9 | -- | -- | -- | -- | -- | -- | -- | -- | -17 |
| Other | 4,430 | -13 | 4,667 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | -6 |
| Finished Aviation Gasoline | 9 | (s) | 22 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Jet Fuel | 1,525 | 4 | 1,590 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | 2 |
| Naphtha-Type Jet | (s) | (s) | (s) | 0 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Kerosene-Type Jet | 1,524 | 4 | 1,590 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Kerosene | 138 | 3 | 101 | 2 | -- | -- | -- | -- | -- | -- | -- | -- | 3 |
| Distillate Fuel Oil | 3,566 | -21 | 3,585 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | -10 |
| 0.05% & under | 2,082 | -18 | 2,214 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | -9 |
| Greater than 0.05% | 1,485 | -4 | 1,371 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Residual Fuel Oil | 884 | 1 | 793 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Naphtha Pet. Feedstock | 275 | (s) | 322 | 3 | -- | -- | -- | -- | -- | -- | -- | -- | 1 |
| Other Oils Pet. Feedstock | 411 | (s) | 345 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | (s) |
| Special Naphthas | 53 | -1 | 34 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -1 |
| Lubricants | 170 | -9 | 169 | (s) | -- | -- | -- | -- | -- | -- | -- | -- | -5 |
| Waxes | 22 | -2 | 24 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -2 |
| Petroleum Coke | 343 | -2 | 429 | -1 | -- | -- | -- | -- | -- | -- | -- | -- | -2 |
| Asphalt and Road Oil | 218 | -8 | 275 | -8 | -- | -- | -- | -- | -- | -- | -- | -- | -8 |
| Still Gas | 617 | -1 | 603 | -2 | -- | -- | -- | -- | -- | -- | -- | -- | -2 |
| Miscellaneous Products | 65 | (s) | 44 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | (s) |

(s) = Less than 500 barrels per day.
Note: • Volumes indicate cumulative changes resulting from resubmissions received for that month as of the date of this publication. • Totals may not equal sum of components due to independent rounding.

# EIA-819M
# Monthly Oxygenate Telephone Report

The EIA-819M, "Monthly Oxygenate Telephone Report," provides production data and preliminary stock data for fuel ethanol and methyl tertiary butyl ether (MTBE) in the United States and major U.S. geographic regions. Data are collected from a sample of respondents reporting on the Monthly Petroleum Supply Reporting System surveys and from the universe of oxygenate producers. Refer to Appendix B, Explanatory Note 2 for further detail. Final data on stocks of fuel ethanol and MTBE are presented in the Detailed Statistics section. The quantity of oxygenates blended into motor gasoline previously published in this appendix is now presented in Appendix B, Table B2.

**Table D1. U.S. Summary, May 1998**

| Products | May 1998 | | April 1998 | | Year-to-Date | |
|---|---|---|---|---|---|---|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| **Fuel Ethanol** | | | | | | |
| Production | 2,523 | 81 | 2,546 | 85 | 13,085 | 87 |
| Stocks | 2,732 | -- | 2,423 | -- | -- | -- |
| **MTBE** | | | | | | |
| Production | 6,032 | 195 | 6,267 | 209 | 29,303 | 194 |
| Stocks | 8,400 | -- | 9,025 | -- | -- | -- |

Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

## Table D2. Monthly Fuel Ethanol Production and Stocks by Petroleum Administration for Defense Districts (PADD)

(Thousand Barrels per Day, Except Where Noted

| District/Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total U.S.** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | 80 | 82 | 86 | 77 | R 89 | R 75 | R 77 | R 80 | 80 | 87 | 98 | 98 |
| 1998 | 96 | 85 | 86 | 85 | 81 | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 2,169 | 2,139 | 2,291 | 2,302 | R 2,681 | R 2,966 | R 2,620 | R 3,036 | 3,109 | 2,605 | 3,005 | 2,758 |
| 1998 | 2,633 | 2,519 | 2,360 | 2,423 | 2,732 | | | | | | | |
| **East Coast (PADD I)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 19 | 15 | 24 | 37 | R 92 | R 328 | 55 | R 392 | 119 | 109 | 255 | 76 |
| 1998 | 110 | 99 | 86 | 32 | 32 | | | | | | | |
| **Midwest (PADD II)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | 79 | 81 | 85 | 76 | R 88 | R 74 | R 76 | R 79 | 79 | 87 | 97 | 97 |
| 1998 | 95 | 84 | 85 | 84 | 81 | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 1,397 | 1,613 | 1,839 | 1,758 | R 1,968 | R 1,891 | R 1,778 | R 1,942 | 2,002 | 1,533 | 1,627 | 1,661 |
| 1998 | 1,633 | 1,661 | 1,588 | 1,607 | 1,697 | | | | | | | |
| **Gulf Coast (PADD III)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 265 | 138 | 151 | 212 | R 349 | R 385 | R 429 | R 350 | 462 | 266 | 531 | 332 |
| 1998 | 394 | 225 | 271 | 382 | 565 | | | | | | | |
| **Rocky Mountain (PADD IV)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 110 | 95 | 83 | 66 | R 72 | R 75 | R 73 | R 87 | 156 | 129 | 129 | 123 |
| 1998 | 108 | 91 | 94 | 97 | 103 | | | | | | | |
| **West Coast (PADD V)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 378 | 278 | 194 | 228 | R 201 | R 287 | R 285 | R 265 | 370 | 569 | 464 | 567 |
| 1998 | 387 | 443 | 321 | 306 | 334 | | | | | | | |

R=Revised data.
W=Withheld to avoid disclosure of individual company data.
Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

## Table D3. Monthly Methyl Tertiary Butyl Ether (MTBE) Production and Stocks by Petroleum Administration for Defense Districts (PADD)

(Thousand Barrels per Day, Except Where Noted)

| District/Month | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total U.S.** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | 161 | 192 | 182 | 186 | 194 | 209 | 201 | 217 | 200 | 206 | 211 | 205 |
| 1998 | 188 | 176 | 201 | 209 | 195 | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 9,659 | 9,607 | 9,039 | 8,934 | 8,621 | 7,151 | 7,380 | 8,506 | 7,800 | 7,029 | 7,528 | 7,623 |
| 1998 | 8,690 | 8,725 | 8,976 | 9,025 | 8,400 | | | | | | | |
| **East Coast (PADD I)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 1,895 | 1,839 | 2,154 | 1,463 | 1,235 | 1,094 | 907 | 1,406 | 1,536 | 1,551 | 1,325 | 1,666 |
| 1998 | 1,676 | 1,514 | 1,794 | 1,464 | 2,058 | | | | | | | |
| **Midwest (PADD II)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Gulf Coast (PADD III)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | 138 | 171 | 163 | 165 | 170 | 183 | 175 | 191 | 172 | 183 | 181 | 180 |
| 1998 | 164 | 153 | 179 | 184 | 173 | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 3,545 | 4,223 | 3,887 | 3,413 | 3,008 | 2,559 | 3,027 | 4,083 | 3,147 | 3,097 | 3,100 | 3,168 |
| 1998 | 3,712 | 4,084 | 3,871 | 4,132 | 3,150 | | | | | | | |
| **Rocky Mountain (PADD IV)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **West Coast (PADD V)** | | | | | | | | | | | | |
| **Production** | | | | | | | | | | | | |
| 1997 | W | W | W | W | W | W | W | W | W | W | W | W |
| 1998 | W | W | W | W | W | | | | | | | |
| **Stocks (thous. bbls.)** | | | | | | | | | | | | |
| 1997 | 3,868 | 3,277 | 2,673 | 3,808 | 4,084 | 3,278 | 3,174 | 2,824 | 2,851 | 2,142 | 2,840 | 2,606 |
| 1998 | 3,009 | 2,869 | 3,090 | 3,101 | 2,891 | | | | | | | |

W=Withheld to avoid disclosure of individual company data.
Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-819M, "Monthly Oxygenate Telephone Report."

**Table D4. Monthly Methyl Tertiary Butyl Ether (MTBE) Production by Merchant and Captive Plants**
(Thousand Barrels per Day, Except Where Noted)

| Year | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total U.S.** | | | | | | | | | | | | |
| 1992 | 98 | 94 | 89 | 79 | 90 | 90 | 101 | 91 | 104 | 118 | 128 | 125 |
| 1993 | 115 | 114 | 112 | 138 | 132 | 126 | 155 | 142 | 157 | 146 | 148 | 144 |
| 1994 | 123 | 140 | 129 | 140 | 139 | 115 | 154 | 166 | 160 | 164 | 150 | 144 |
| 1995 | 149 | 144 | 121 | 168 | 169 | 182 | 181 | 171 | 163 | 167 | 174 | 171 |
| 1996 | 173 | 172 | 182 | 183 | 194 | 202 | 197 | 179 | 186 | 187 | 183 | 184 |
| 1997 | 161 | 192 | 182 | 186 | 194 | 209 | 201 | 217 | 200 | 206 | 211 | 205 |
| 1998 | 188 | 176 | 201 | 209 | 195 | | | | | | | |
| **Merchant Plants** | | | | | | | | | | | | |
| 1992 | 65 | 62 | 58 | 48 | 55 | 53 | 63 | 53 | 61 | 76 | 81 | 77 |
| 1993 | 63 | 66 | 67 | 87 | 75 | 70 | 89 | 79 | 87 | 76 | 81 | 75 |
| 1994 | 63 | 76 | 66 | 73 | 72 | 50 | 73 | 89 | 90 | 81 | 84 | 69 |
| 1995 | 76 | 68 | 61 | 86 | 85 | 91 | 90 | 88 | 79 | 90 | 97 | 92 |
| 1996 | 94 | 92 | 93 | 95 | 109 | 123 | 111 | 96 | 101 | 98 | 94 | 87 |
| 1997 | 72 | 106 | 99 | 92 | 93 | 104 | 106 | 113 | 99 | 108 | 109 | 108 |
| 1998 | 97 | 77 | 104 | 107 | 94 | | | | | | | |
| **Captive Plants** | | | | | | | | | | | | |
| 1992 | 33 | 32 | 31 | 31 | 35 | 37 | 38 | 38 | 43 | 42 | 47 | 48 |
| 1993 | 52 | 48 | 45 | 50 | 57 | 55 | 67 | 62 | 70 | 70 | 67 | 69 |
| 1994 | 60 | 64 | 63 | 67 | 67 | 65 | 81 | 78 | 70 | 83 | 66 | 75 |
| 1995 | 73 | 76 | 60 | 83 | 84 | 91 | 91 | 83 | 84 | 76 | 78 | 79 |
| 1996 | 79 | 80 | 89 | 89 | 84 | 79 | 85 | 83 | 85 | 89 | 89 | 97 |
| 1997 | 89 | 86 | 83 | 94 | 102 | 105 | 95 | 104 | 101 | 98 | 102 | 97 |
| 1998 | 91 | 99 | 97 | 102 | 101 | | | | | | | |

Note: • Geographic coverage is the 50 States and the District of Columbia. • Totals may not equal sum of components due to independent rounding.
Source: Energy Information Administration (EIA) Form EIA-819M, “Monthly Oxygenate Telephone Report. ”

# Definitions of Petroleum Products and Other Terms

***Alcohol.*** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $CH_3$-($CH_2$)n-OH (e.g., methanol, ethanol, and tertiary butyl alcohol).

***Alkylate.*** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

***Alkylation.*** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

***API Gravity.*** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp.gr.}60°\,F/60°\,F} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

***Aromatics.*** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

***Asphalt.*** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels per short ton.

***ASTM.*** The acronym for the American Society for Testing and Materials.

***Atmospheric Crude Oil Distillation.*** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600° to 750° F (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

***Aviation Gasoline (Finished).*** All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

***Aviation Gasoline Blending Components.*** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

***Barrel.*** A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt, still gas and wax to barrels are given in the definitions of these products.

***Barrels Per Calendar Day.*** The maximum number of barrels of input that can be processed during a 24-hour period after making allowances for the following limitations:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

***Barrels Per Stream Day.*** The amount a unit can process running at full capacity under optimal crude oil and product slate conditions.

***Benzene ($C_6H_6$).*** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

***Blending Components.*** See Motor or Aviation Gasoline Blending Components.

***Blending Plant.*** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

***Bonded Petroleum Imports.*** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

***BTX.*** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

***Bulk Station.*** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

***Bulk Terminal.*** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

***Butane ($C_4H_{10}$).*** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

***Isobutane ($C_4H_{10}$).*** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9° F. It is extracted from natural gas or refinery gas streams.

***Normal Butane ($C_4H_{10}$).*** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 31.1° F. It is extracted from natural gas or refinery gas streams.

***Butylene ($C_4H_8$).*** An olefinic hydrocarbon recovered from refinery processes.

***Captive Refinery Oxygenate Plants.*** Oxygenate production facilities located within or adjacent to a refinery complex.

***Catalytic Cracking.*** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

***Fresh Feeds.*** Crude oil or petroleum distillates which are being fed to processing units for the first time.

***Recycled Feeds.*** Feeds that are continuously fed back for additional processing.

***Catalytic Hydrocracking.*** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

***Catalytic Hydrotreating.*** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

***Catalytic Reforming.*** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

***Low Pressure.*** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

***High Pressure.*** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

***Charge Capacity.*** The input (feed) capacity of the refinery processing facilities.

***Coal.*** A black or brownish-black solid combustible substance formed by the partial decomposition of vegetable matter without access to air. The rank of coal, which includes anthracite, bituminous coal, subbituminous coal, and lignite, is based on fixed carbon, volatile matter, and heating value. Coal rank indicates the progressive alteration, or coalification, from lignite to anthracite. Lignite contains approximately 9 to 17 million BTU per ton. The heat contents of subbituminous and bituminous coal range from 16 to 24 million BTU per ton, and from 19 to 30 million BTU per ton, respectively. Anthracite contains approximately 22 to 28 million BTU per ton.

***Commercial Kerosene-Type Jet Fuel.*** See **Kerosene-Type Jet Fuel.**

***Crude Oil (Including Lease Condensate).*** A mixture of hydrocarbons that exists in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Drip gases are also included, but topped crude oil (residual oil) and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign, according to the following:

***Domestic.*** Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 USC 1331.

***Foreign.*** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

***Crude Oil, Refinery Receipts.*** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

***Crude Oil Losses.*** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

***Crude Oil Production.*** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

***Crude Oil Qualities.*** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

***Delayed Coking.*** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

***Disposition.*** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

***Distillate Fuel Oil.*** A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels. Distillate fuel oil is reported in the following sulfur categories: ***0.05% sulfur and under,*** for use in on-highway diesel engines which could be described as meeting EPA regulations; and ***greater than 0.05% sulfur***, for use in all other distillate applications.

***No. 1 Distillate.*** A petroleum distillate which meets the specifications for No. 1 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 1 diesel fuel as defined in ASTM Specification D 975 with distillation temperatures of 420° F at the 10-percent recovery point and 550° F at the 90-percent recovery point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100° F.

***No. 2 Distillate.*** A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel

fuel as defined in ASTM Specification D 975 with distillation temperatures of 540° and 640° F at the 90-percent recovery point, and kinematic viscosities between 2.0 and 4.3 centistokes at 100° F.

***No. 4 Fuel Oil.*** A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; with minimum and maximum kinematic viscosities between 5.8 and 26.4 centistokes at 100° F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

***Electricity (Purchased).*** Electricity purchased for refinery operations that is not produced within the refinery complex.

***Ending Stocks.*** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

***ETBE (Ethyl tertiary butyl ether) $(CH_3)_3COC_2H_5$.*** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

***Ethane ($C_2H_6$).*** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of -127.48° F. It is extracted from natural gas and refinery gas streams.

***Ether.*** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

***Ethylene ($C_2H_4$).*** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

***Exports.*** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

***Field Production.*** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

***Flexicoking.*** A thermal cracking process which converts heavy hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

***Fluid Coking.*** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

***Fresh Feed Input.*** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

***Fuel Ethanol ($C_2H_5OH$).*** An anhydrous denatured aliphatic alcohol intended for gasoline blending as described in Oxygenates definition.

***Fuels Solvent Deasphalting.*** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

***Gas Oil.*** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

***Gasohol***. A blend of finished motor gasoline and alcohol (generally ethanol but sometimes methanol), limited to 10 percent by volume of alcohol.

***Gasoline Blending Components.*** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

***Gross Input to Atmospheric Crude Oil Distillation Units.*** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

***Heavy Gas Oil.*** Petroleum distillates with an approximate boiling range from 651° to 1000° F.

***Hydrogen.*** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

***Idle Capacity.*** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

***Imported Crude Oil Burned As Fuel.*** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

***Imports.*** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

***Isobutane.*** See **Butane.**

***Isobutylene ($C_4H_8$).*** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

***Isohexane ($C_6H_{14}$).*** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2° F.

***Isomerization.*** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ($C_4$), an alkylation process feedstock, and normal pentane and hexane into isopentane ($C_5$) and isohexane ($C_6$), high-octane gasoline components.

***Isopentane.*** See **Natural Gasoline and Isopentane.**

***Kerosene.*** A petroleum distillate that has a maximum distillation temperature of 401° F at the 10-percent recovery point, a final boiling point of 572° F, and a minimum flash point of 100° F. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

***Kerosene-Type Jet Fuel.*** A quality kerosene product with a maximum distillation temperature of 400° F at the 10-percent recovery point and a final maximum boiling point of 572° F. The fuel is designated in ASTM Specification D1655 and Military Specifications MIL-T-5624R and MIL-T-83133D (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type used primarily for turbojet and turboprop aircraft engines.

> ***Commercial.*** Kerosene-type jet fuel intended for use in commercial aircraft.
>
> ***Military.*** Kerosene-type jet fuel intended for use in military aircraft.

***Lease Condensate.*** A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

***Light Gas Oils.*** Liquid petroleum distillates heavier than naphtha, with an approximate boiling range from 401° F to 650° F.

***Liquefied Petroleum Gases (LPG).*** Ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

***Liquefied Refinery Gases (LRG).*** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

***Lubricants.*** A substance used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacturing of other products, or as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. Do not include byproducts of lubricating oil refining such as aromatic extracts derived from solvent extraction or tars derived from deasphalting. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. Reporting categories include:

> ***Paraffinic.*** Includes all grades of bright stock and neutrals with a Viscosity Index > 75.

***Naphthenic.*** Includes all lubricating oil base stocks with a Viscosity Index < 75.

***Note:*** The criterion for categorizing the lubricants is based solely on the Viscosity Index of the stocks and is independent of crude sources and type of processing used to produce the oils.

***Exceptions:*** Lubricating oil base stocks that have been historically classified as naphthenic or paraffinic by a refiner may continue to be so categorized irrespective of the Viscosity Index criterion.

Example:

(1) Unextracted paraffinic oils that would not meet the Viscosity Index test.

***Merchant Oxygenate Plants.*** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

***Methanol ($CH_3OH$).*** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

***Middle Distillates.*** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

***Military Kerosene-Type Jet Fuel.*** See **Kerosene-Type Jet Fuel.**

***Miscellaneous Products.*** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils).

***Motor Gasoline (Finished).*** A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that has been blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as given in ASTM Specification D-4814 or Federal Specification VV-G-1690C, includes a range in distillation temperatures from 122 degrees to 158 degrees F at the 10-percent recovery point and from 365 degrees to 374 degrees F at the 90-percent recovery point. "Motor gasoline" includes reformulated gasoline, oxygenated gasoline, and other finished gasoline. Blendstock is excluded until blending has been completed.

***Reformulated Gasoline.*** Gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211K of the Clean Air Act. Includes oxygenated fuels program reformulated gasoline (OPRG). Excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

***Oxygenated Gasoline.*** Gasoline formulated for use in motor vehicles that has an oxygen content of 1.8 percent or higher, by weight. Includes gasohol. Excludes reformulated gasoline, oxygenated fuels program reformulated gasoline (OPRG) and reformulated gasoline blendstock for oxygenate blending (RBOB).

***OPRG.*** **"**Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control period**.**

***Other Finished or Conventional Gasoline.*** Motor gasoline not included in the oxygenated or reformulated gasoline categories. Excludes reformulated gasoline blendstock for oxygenate blending (RBOB).

***Motor Gasoline Blending.*** Mechanical mixing of motor gasoline blending components and oxygenates to produce finished motor gasoline. Mechanical mixing of finished motor gasoline with motor gasoline blending components or oxygenates which results in increased volumes of finished motor gasoline, and/or changes in the classification of finished motor gasoline (e.g., other finished motor gasoline mixed with MTBE to produce oxygenated motor gasoline), is considered motor gasoline blending.

***Motor Gasoline Blending Components.*** Naphthas which will be used for blending or compounding into finished motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) and includes reformulated gasoline blendstock for oxygenate blending (RBOB). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as individual components and included in the total for other hydrocarbons, hydrogens, and oxygenates.

***MTBE (Methyl tertiary butyl ether) ($(CH_3)_3COCH_3$).*** An ether intended for gasoline blending as described in Oxygenate definition.

***Naphtha.*** A generic term applied to a petroleum fraction with an approximate boiling range between 122° and 400° F.

***Naphtha Less Than 401° F.*** See **Petrochemical Feedstocks.**

***Naphtha-Type Jet Fuel.*** A fuel in the heavy naphtha boiling range. ASTM Specification D1655 specifies for this fuel maximum distillation temperatures of 290° F at the 20-percent recovery point and 470° F at the 90-percent

point, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

***Natural Gas.*** A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

***Natural Gas Field Facility.*** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

***Natural Gas Plant Liquids.*** Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specifications of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: ethane, propane, normal butane, isobutane, and pentanes plus.

***Natural Gas Processing Plant.*** A facility designed (1) to achieve the recovery of natural gas liquids from the stream of natural gas which may or may not have been processed through lease separators and field facilities, and (2) to control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

***Natural Gasoline and Isopentane.*** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, ($C_5H_{12}$), obtained by fractionation of natural gasoline or isomerization of normal pentane.

***Net Receipts.*** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

***Normal Butane.*** See **Butane.**

***OPEC.*** The acronym for the Organization of Petroleum Exporting Countries, that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela. The Neutral Zone between Kuwait and Saudi Arabia is considered part of OPEC. Prior to January 1, 1993, Ecuador was a member of OPEC. Prior to January 1995, Gabon was a member of OPEC.

***OPRG.*** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area during an oxygenated fuels program control period.

***Operable Capacity.*** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

***Operating Capacity.*** The component of operable capacity that is in operation at the beginning of the period.

***Operable Utilization Rate.*** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

***Operating Utilization Rate.*** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

***Other Finished.*** See **Motor Gasoline (Finished).**

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

***Other Oils Equal To or Greater Than 401° F.*** See **Petrochemical Feedstocks.**

***Other Oxygenates.*** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

***Oxygenated Gasoline.*** See **Motor Gasoline (Finished).**

***Oxygenates.*** Any substance which, when added to gasoline, increases the amount of oxygen in that gasoline blend. Through a series of waivers and interpretive rules, the Environmental Protection Agency (EPA) has determined the allowable limits for oxygenates in unleaded gasoline. The "Substantially Similar" Interpretive Rules (56 FR (February 11, 1991)) allows blends of aliphatic alcohols other than methanol and aliphatic ethers, provided the oxygen content does not

exceed 2.7 percent by weight. The "Substantially Similar" Interpretive Rules also provides for blends of methanol up to 0.3 percent by volume exclusive of other oxygenates, and butanol or alcohols of a higher molecular weight up to 2.75 percent by weight. Individual waivers pertaining to the use of oxygenates in unleaded gasoline have been issued by the EPA. They include:

***Fuel Ethanol.*** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the "gasohol waiver").

***Methanol.*** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the "ARCO" waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the "DuPont" waiver).

***MTBE (Methyl tertiary butyl ether).*** Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the "Sun" waiver).

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

***Persian Gulf.*** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

***Petrochemical Feedstocks.*** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are "Naphtha Less Than 401° F" and "Other Oils Equal To or Greater Than 401° F."

***Naphtha Less Than 401° F.*** A naphtha with a boiling range of less than 401° F that is intended for use as a petrochemical feedstock.

***Other Oils Equal To or Greater Than 401° F.*** Oils with a boiling range equal to or greater than 401° F that are intended for use as a petrochemical feedstock.

***Petroleum Administration for Defense (PAD) Districts.*** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

***Petroleum Coke.*** A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels per short ton.

***Marketable Coke.*** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

***Catalyst Coke.*** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

***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, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

***Pipeline (Petroleum).*** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

***Plant Condensate.*** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

***Processing Gain.*** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

***Processing Loss.*** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

***Product Supplied, Crude Oil.*** Crude oil burned on leases and by pipelines as fuel.

***Production Capacity.*** The maximum amount of product that can be produced from processing facilities.

***Products Supplied.*** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

***Propane ($C_3H_8$).*** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of -43.67° F. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

***Propylene ($C_3H_6$).*** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

***RBOB.*** "Reformulated Gasoline Blendstock for Oxygenate Blending" is a motor gasoline blending component which, when blended with a specified type and percentage of oxygenate, meets the definition of reformulated gasoline.

***Refinery***. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

***Refinery Input, Crude Oil.*** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

***Refinery Input, Total.*** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

***Refinery Production.*** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

***Refinery Yield.*** Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

***Reformulated Gasoline.*** See **Motor Gasoline (Finished).**

***Residual Fuel Oil.*** The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations and that conform to ASTM Specification D396. Included are No. 5, a residual fuel oil of medium viscosity; Navy Special, for use in steam-powered vessels in government service and in shore power plants; No. 6, which includes Bunker C fuel oil, and is used for commercial and industrial heating, electricity generation and to power ships.

***Residuum.*** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000° F.

***Road Oil.*** Any heavy petroleum oil, including residual asphaltic oil used as a dust pallative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

***Shell Storage Capacity.*** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity.

***Special Naphthas.*** All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to

ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

***Steam (Purchased).*** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

***Still Gas (Refinery Gas).*** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

***Stock Change.*** The difference between stocks at the beginning of the month and stocks at the end of the month. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

***Strategic Petroleum Reserve (SPR).*** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

***Sulfur.*** A yellowish nonmetallic element, sometimes known as "brimstone".

***Supply.*** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

***TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$.*** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

***Tank Farm.*** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

***Tanker and Barge.*** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

***TBA (Tertiary butyl alcohol) $(CH_3)_3COH$.*** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

***Thermal Cracking.*** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

***Toluene ($C_6H_5CH_3$).*** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

***Unaccounted for Crude Oil.*** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

***Unfinished Oils.*** Includes all oils requiring further processing, except those requiring only mechanical blending. Includes naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum. See individual categories for definition.

***Unfractionated Streams.*** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

***United States.*** The United States is defined as the 50 States and the District of Columbia.

***Vacuum Distillation.*** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

***Visbreaking.*** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

***Wax.*** A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42 U.S. gallons per barrel.

> ***Microcrystalline Wax.*** Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics: penetration at 77° F

(D1321)-60 maximum; viscosity at 210° F in Saybolt Universal Seconds (SUS); (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum; oil content (D721)-5 percent minimum.

***Crystalline-Fully Refined Wax.*** A light-colored paraffin wax having the following characteristics: viscosity at 210° F (D88)-59.9 SUS (10.18 centistokes) maximum; oil content (D721)-0.5 percent maximum; other +20 color, Saybolt minimum.

***Crystalline-Other Wax.*** A paraffin wax having the following characteristics: viscosity at 210° F (D88)-59.9 SUS (10.18 centistokes) maximum; oil content (D721)-0.51 percent minimum to 15 percent maximum.

***Working Storage Capacity.*** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

***Xylene ($C_6H_4(CH_3)_2$).*** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.