## Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 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** | **47,395** | **2,722** | **50,117** | **67,835** | **13,364** | **19,071** | **100,270** |
| **Natural Gas Liquids** | **110** | **0** | **110** | **2,543** | **299** | **1,343** | **4,185** |
| Pentanes Plus | 0 | 0 | 0 | 229 | 140 | 645 | 1,014 |
| Liquefied Petroleum Gases | 110 | 0 | 110 | 2,314 | 159 | 698 | 3,171 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Normal Butane | 76 | 0 | 76 | 1,728 | 107 | 441 | 2,276 |
| Isobutane | 34 | 0 | 34 | 586 | 52 | 257 | 895 |
| **Other Liquids** | **8,339** | **-38** | **8,301** | **2,664** | **385** | **-642** | **2,407** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 2,576 | 0 | 2,576 | 785 | 229 | 70 | 1,084 |
| Other Hydrocarbons/Hydrogen | 0 | 0 | 0 | 47 | 0 | 26 | 73 |
| Oxygenates | W | W | 2,576 | 738 | 229 | 44 | 1,011 |
| Fuel Ethanol | W | W | W | W | W | W | 919 |
| Methanol | W | W | W | W | W | W | W |
| MTBE | W | W | 2,526 | W | W | W | W |
| Other Oxygenates[a] | W | W | W | W | W | W | W |
| Unfinished Oils (net) | 3,343 | -23 | 3,320 | 1,612 | 98 | -913 | 797 |
| Motor Gasoline Blend. Comp. (net) | 2,470 | -15 | 2,455 | 280 | 58 | 201 | 539 |
| Aviation Gasoline Blend. Comp. (net) | -50 | 0 | -50 | -13 | 0 | 0 | -13 |
| **Total Input to Refineries** | **55,844** | **2,684** | **58,528** | **73,042** | **14,048** | **19,772** | **106,862** |
| **Atmospheric Crude Oil Distillation** | | | | | | | |
| Gross Input (daily average) | 1,545 | 91 | 1,636 | 2,311 | 444 | 636 | 3,391 |
| Operable Capacity (daily average) | 1,557 | 98 | 1,655 | 2,436 | 414 | 701 | 3,551 |
| Operable Utilization Rate (percent)[b,c] | 99.2 | 92.9 | 98.8 | 94.9 | 107.1 | 90.7 | 95.5 |
| **Downstream Processing** | | | | | | | |
| **Fresh Feed Input (daily average)** | | | | | | | |
| Catalytic Cracking | 671 | 16 | 687 | 800 | 140 | 193 | 1,134 |
| Catalytic Hydrocracking | 57 | 0 | 57 | 136 | 0 | 5 | 140 |
| Delayed and Fluid Coking | 79 | 0 | 79 | 198 | 66 | 56 | 321 |
| **Crude Oil Qualities** | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.89 | 1.08 | 0.90 | 1.22 | 2.22 | 0.75 | 1.26 |
| API Gravity, Weighted Average (degrees) | 33.34 | 34.44 | 33.40 | 32.74 | 29.21 | 35.78 | 32.85 |
| **Operable Capacity (daily average)** | **1,557** | **98** | **1,655** | **2,436** | **414** | **701** | **3,551** |
| Operating | 1,477 | 98 | 1,575 | 2,436 | 414 | 701 | 3,551 |
| Idle | 80 | 0 | 80 | 0 | 0 | 0 | 0 |
| **Alaskan Crude Oil Receipts** | **0** | **0** | **0** | **174** | **0** | **0** | **174** |

See footnotes at end of table.

## Table 28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 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** | **16,499** | **106,243** | **73,727** | **5,558** | **2,741** | **204,768** | **14,172** | **73,753** | **443,080** |
| **Natural Gas Liquids** | **1,150** | **3,388** | **2,760** | **215** | **239** | **7,752** | **613** | **2,815** | **15,475** |
| Pentanes Plus | 617 | 1,121 | 302 | 155 | 131 | 2,326 | 250 | 1,159 | 4,749 |
| Liquefied Petroleum Gases | 533 | 2,267 | 2,458 | 60 | 108 | 5,426 | 363 | 1,656 | 10,726 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Normal Butane | 492 | 1,112 | 1,632 | 32 | 0 | 3,268 | 271 | 1,150 | 7,041 |
| Isobutane | 41 | 1,155 | 826 | 28 | 108 | 2,158 | 92 | 506 | 3,685 |
| **Other Liquids** | **-466** | **5,782** | **6,168** | **-227** | **-1,098** | **10,159** | **474** | **2,452** | **23,793** |
| Other Hydrocarbons/Hydrogen/Oxygenates | 108 | 2,304 | 724 | 1 | 31 | 3,168 | 152 | 4,008 | 10,988 |
| Other Hydrocarbons/Hydrogen | 91 | 537 | 414 | 0 | 0 | 1,042 | 6 | 986 | 2,107 |
| Oxygenates | 17 | 1,767 | 310 | W | W | 2,126 | 146 | 3,022 | 8,881 |
| Fuel Ethanol | W | W | W | W | W | W | W | W | 1,151 |
| Methanol | W | W | W | W | W | W | W | W | 64 |
| MTBE | W | 1,670 | W | W | W | 1,946 | W | 2,797 | 7,371 |
| Other Oxygenates[a] | W | W | W | W | W | W | W | W | 295 |
| Unfinished Oils (net) | 180 | 4,395 | 4,573 | -183 | 31 | 8,996 | 110 | -236 | 12,987 |
| Motor Gasoline Blend. Comp. (net) | -735 | -917 | 884 | -45 | -1,160 | -1,973 | 212 | -1,303 | -70 |
| Aviation Gasoline Blend. Comp. (net) | -19 | 0 | -13 | 0 | 0 | -32 | 0 | -17 | -112 |
| **Total Input to Refineries** | **17,183** | **115,413** | **82,655** | **5,546** | **1,882** | **222,679** | **15,259** | **79,020** | **482,348** |
| **Atmospheric Crude Oil Distillation** | | | | | | | | | |
| Gross Input (daily average) | 552 | 3,546 | 2,506 | 181 | 91 | 6,877 | 483 | 2,702 | 15,089 |
| Operable Capacity (daily average) | 563 | 3,490 | 2,854 | 201 | 95 | 7,202 | 524 | 2,998 | 15,930 |
| Operable Utilization Rate (percent)[b,c] | 98.1 | 101.6 | 87.8 | 90.3 | 96.5 | 95.5 | 92.2 | 90.1 | 94.7 |
| **Downstream Processing** | | | | | | | | | |
| **Fresh Feed Input (daily average)** | | | | | | | | | |
| Catalytic Cracking | 178 | 1,356 | 912 | 28 | 28 | 2,501 | 130 | 740 | 5,192 |
| Catalytic Hydrocracking | 49 | 245 | 183 | 0 | 0 | 477 | 5 | 414 | 1,093 |
| Delayed and Fluid Coking | 6 | 444 | 312 | 4 | 0 | 766 | 42 | 490 | 1,697 |
| **Crude Oil Qualities** | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.76 | 1.51 | 1.28 | 1.70 | 0.50 | 1.36 | 1.29 | 1.22 | 1.26 |
| API Gravity, Weighted Average (degrees) | 38.18 | 31.20 | 32.40 | 30.69 | 39.04 | 32.28 | 33.96 | 25.25 | 31.37 |
| **Operable Capacity (daily average)** | **563** | **3,490** | **2,854** | **201** | **95** | **7,202** | **524** | **2,998** | **15,930** |
| Operating | 563 | 3,463 | 2,559 | 201 | 95 | 6,880 | 524 | 2,951 | 15,481 |
| Idle | 0 | 27 | 295 | 0 | 0 | 322 | 0 | 47 | 449 |
| **Alaskan Crude Oil Receipts** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **35,220** | **35,394** |

[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."