

**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                  |                          | Disposition               |                                 |                  |                                |                  | Ending Stocks |
|---|------------------|--|-------------------------------------|------------------|--------------------------|---------------------------|---------------------------------|------------------|--------------------------------|------------------|---------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports          | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports          | Products Supplied <sup>3</sup> |                  |               |
| <b>Crude Oil<sup>4</sup></b>                      | <b>4,011,521</b> | --   | --                                  | <b>2,835,491</b> | <b>101,523</b>           | <b>7,163</b>              | <b>6,193,832</b>                | <b>747,540</b>   | <b>0</b>                       | <b>1,091,640</b> |               |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>1,594,813</b> | <b>-7,601</b>                                      | <b>231,535</b>                      | <b>71,953</b>    | --                       | <b>-980</b>               | <b>209,708</b>                  | <b>584,596</b>   | <b>1,097,376</b>               | <b>189,024</b>   |               |
| Natural Gas Liquids                               | 1,594,813        | -7,601   | 123,844                             | 63,363           | --                       | -3,270                    | 209,708                         | 584,596          | 983,385                        | 180,861          |               |
| Ethane  | 625,407          | --   | 2,160                               | --               | --                       | -5,774                    | --                              | 93,410           | 539,931                        | 49,842           |               |
| Propane   | 511,325          | --   | 109,993                             | 50,790           | --                       | 1,555                     | --                              | 346,495          | 324,058                        | 63,738           |               |
| Normal Butane                                     | 133,078          | --   | 16,631                              | 8,444            | --                       | 13                        | 69,417                          | 76,012           | 12,711                         | 37,834           |               |
| Isobutane   | 141,136          | --   | -4,940                              | 4,069            | --                       | 139                       | 79,867                          | 1,992            | 58,267                         | 8,537            |               |
| Natural Gasoline                                  | 183,867          | -7,601   | --                                  | 60               | --                       | 797                       | 60,424                          | 66,687           | 48,418                         | 20,910           |               |
| Refinery Olefins                                  | --               | --   | 107,691                             | 8,590            | --                       | 2,290                     | --                              | --               | 113,991                        | 8,163            |               |
| Ethylene  | --               | --   | 90                                  | --               | --                       | 0                         | --                              | --               | 90                             | 0                |               |
| Propylene   | --               | --   | 106,886                             | 6,426            | --                       | 2,314                     | --                              | --               | 110,998                        | 6,953            |               |
| Butylene  | --               | --   | 802                                 | 2,164            | --                       | -129                      | --                              | --               | 3,095                          | 1,075            |               |
| Isobutylene                                       | --               | --   | -87                                 | --               | --                       | 105                       | --                              | --               | -192                           | 135              |               |
| <b>Other Liquids</b>                              | --               | <b>456,131</b>                                     | --                                  | <b>469,808</b>   | <b>9,853</b>             | <b>9,889</b>              | <b>733,949</b>                  | <b>186,963</b>   | <b>4,990</b>                   | <b>338,132</b>   |               |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 456,131  | --                                  | 12,986           | 39,488                   | 1,863                     | 438,333                         | 68,458           | 0                              | 31,461           |               |
| Hydrogen  | --               | --   | --                                  | --               | 80,847                   | --                        | 80,847                          | --               | 0                              | --               |               |
| Oxygenates (excluding Fuel Ethanol)               | --               | 28,813   | --                                  | 3,524            | -6,948                   | 105                       | --                              | 25,284           | 0                              | 1,551            |               |
| Renewable Fuels (including Fuel Ethanol)          | --               | 427,368  | --                                  | 9,387            | -34,704                  | 1,784                     | 357,092                         | 43,175           | 0                              | 29,889           |               |
| Fuel Ethanol <sup>5</sup>                         | --               | 383,127  | --                                  | 1,294            | -7,137                   | 375                       | 336,205                         | 40,704           | 0                              | 23,418           |               |
| Renewable Fuels Except Fuel Ethanol               | --               | 44,241   | --                                  | 8,093            | -27,567                  | 1,409                     | 20,887                          | 2,470            | 0                              | 6,471            |               |
| Other Hydrocarbons                                | --               | --   | --                                  | 75               | 293                      | -26                       | 394                             | --               | 0                              | 21               |               |
| Unfinished Oils                                   | --               | --   | --                                  | 222,981          | --                       | -428                      | 121,984                         | 96,127           | 5,298                          | 85,909           |               |
| Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup>    | --               | -50  | --                                  | 233,841          | -29,635                  | 8,438                     | 173,340                         | 22,378           | 0                              | 220,731          |               |
| Reformulated                                      | --               | -2   | --                                  | 64,620           | 58,948                   | -3,346                    | 126,742                         | 170              | 0                              | 50,101           |               |
| Conventional                                      | --               | -48  | --                                  | 169,221          | -88,583                  | 11,784                    | 46,598                          | 22,208           | 0                              | 170,630          |               |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --               | --                       | 16                        | 292                             | --               | -308                           | 31               |               |
| <b>Finished Petroleum Products</b>                | --               | <b>1,832</b>                                       | <b>7,321,367</b>                    | <b>251,790</b>   | <b>64,750</b>            | <b>2,613</b>              | --                              | <b>1,255,352</b> | <b>6,381,774</b>               | <b>294,472</b>   |               |
| Finished Motor Gasoline                           | --               | 1,832  | 3,672,133                           | 16,343           | 36,772                   | 1,246                     | --                              | 320,755          | 3,405,079                      | 25,769           |               |
| Reformulated                                      | --               | --   | 1,186,677                           | --               | -54,483                  | 4                         | --                              | --               | 1,132,190                      | 44               |               |
| Conventional                                      | --               | 1,832  | 2,485,456                           | 16,343           | 91,255                   | 1,242                     | --                              | 320,755          | 2,272,890                      | 25,725           |               |
| Finished Aviation Gasoline                        | --               | --   | 4,279                               | 72               | --                       | -85                       | --                              | --               | 4,436                          | 956              |               |
| Kerosene-Type Jet Fuel                            | --               | --   | 659,333                             | 45,352           | --                       | 281                       | --                              | 81,343           | 623,061                        | 41,585           |               |
| Kerosene  | --               | --   | 3,395                               | 616              | --                       | 475                       | --                              | 1,560            | 1,976                          | 2,613            |               |
| Distillate Fuel Oil <sup>5</sup>                  | --               | --   | 1,886,341                           | 63,769           | 27,978                   | -5,476                    | --                              | 470,334          | 1,513,230                      | 140,162          |               |
| 15 ppm sulfur and under                           | --               | --   | 1,770,008                           | 55,466           | 27,978                   | -4,263                    | --                              | 391,628          | 1,466,087                      | 123,753          |               |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 40,662                              | 1,355            | --                       | -2,279                    | --                              | 38,637           | 5,659                          | 5,201            |               |
| Greater than 500 ppm sulfur                       | --               | --   | 75,671                              | 6,948            | --                       | 1,066                     | --                              | 40,068           | 41,485                         | 11,208           |               |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 154,946                             | 77,166           | --                       | -1,063                    | --                              | 117,265          | 115,910                        | 28,314           |               |
| Less than 0.31 percent sulfur                     | --               | --   | 22,173                              | 8,572            | --                       | 217                       | --                              | NA               | NA                             | 2,145            |               |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 22,667                              | 7,180            | --                       | -2,105                    | --                              | NA               | NA                             | 4,717            |               |
| Greater than 1.00 percent sulfur                  | --               | --   | 110,106                             | 61,414           | --                       | 825                       | --                              | NA               | NA                             | 21,446           |               |
| Petrochemical Feedstocks                          | --               | --   | 118,902                             | 7,855            | --                       | 521                       | --                              | --               | 126,236                        | 3,404            |               |
| Naphtha for Petro. Feed. Use                      | --               | --   | 79,292                              | 6,445            | --                       | 545                       | --                              | --               | 85,192                         | 2,394            |               |
| Other Oils for Petro. Feed. Use                   | --               | --   | 39,610                              | 1,410            | --                       | -24                       | --                              | --               | 41,044                         | 1,010            |               |
| Special Naphthas                                  | --               | --   | 13,121                              | 4,688            | --                       | 269                       | --                              | --               | 17,540                         | 1,461            |               |
| Lubricants  | --               | --   | 67,300                              | 15,838           | --                       | 1,934                     | --                              | 38,504           | 42,700                         | 13,955           |               |
| Waxes   | --               | --   | 1,674                               | 1,943            | --                       | -179                      | --                              | 1,554            | 2,242                          | 676              |               |
| Petroleum Coke                                    | --               | --   | 328,965                             | 4,175            | --                       | -620                      | --                              | 214,443          | 119,317                        | 7,899            |               |
| Marketable  | --               | --   | 244,392                             | 4,175            | --                       | -620                      | --                              | 214,443          | 34,744                         | 7,899            |               |
| Catalyst  | --               | --   | 84,573                              | --               | --                       | --                        | --                              | --               | 84,573                         | --               |               |
| Asphalt and Road Oil                              | --               | --   | 120,147                             | 13,876           | --                       | 5,321                     | --                              | 9,238            | 119,464                        | 27,018           |               |
| Still Gas   | --               | --   | 256,427                             | --               | --                       | --                        | --                              | --               | 256,427                        | --               |               |
| Miscellaneous Products                            | --               | --   | 34,404                              | 97               | --                       | -11                       | --                              | 356              | 34,156                         | 660              |               |
| <b>Total</b>                                      | <b>5,606,334</b> | <b>450,362</b>                                     | <b>7,552,902</b>                    | <b>3,629,042</b> | <b>176,126</b>           | <b>18,685</b>             | <b>7,137,489</b>                | <b>2,774,451</b> | <b>7,484,140</b>               | <b>1,913,268</b> |               |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See

Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix

D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |              |                          | Disposition               |                                 |              |                                |
|---|------------------|--|-------------------------------------|--------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports      | Adjustments <sup>1</sup> | Stock Change <sup>2</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>3</sup> |
| <b>Crude Oil<sup>4</sup></b> .....                      | <b>10,990</b>    | --   | --                                  | <b>7,768</b> | <b>278</b>               | <b>20</b>                 | <b>16,969</b>                   | <b>2,048</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b> .....                    | <b>4,369</b>     | <b>-21</b>   | <b>634</b>                          | <b>197</b>   | --                       | <b>-3</b>                 | <b>575</b>                      | <b>1,602</b> | <b>3,007</b>                   |
| Natural Gas Liquids .....                               | 4,369            | -21  | 339                                 | 174          | --                       | -9                        | 575                             | 1,602        | 2,694                          |
| Ethane .....  | 1,713            | --   | 6                                   | --           | --                       | -16                       | --                              | 256          | 1,479                          |
| Propane .....   | 1,401            | --   | 301                                 | 139          | --                       | 4                         | --                              | 949          | 888                            |
| Normal Butane .....                                     | 365              | --   | 46                                  | 23           | --                       | 0                         | 190                             | 208          | 35                             |
| Isobutane .....   | 387              | --   | -14                                 | 11           | --                       | 0                         | 219                             | 5            | 160                            |
| Natural Gasoline .....                                  | 504              | -21  | --                                  | 0            | --                       | 2                         | 166                             | 183          | 133                            |
| Refinery Olefins .....                                  | --               | --   | 295                                 | 24           | --                       | 6                         | --                              | --           | 312                            |
| Ethylene .....  | --               | --   | 0                                   | --           | --                       | 0                         | --                              | --           | 0                              |
| Propylene .....   | --               | --   | 293                                 | 18           | --                       | 6                         | --                              | --           | 304                            |
| Butylene .....  | --               | --   | 2                                   | 6            | --                       | 0                         | --                              | --           | 8                              |
| Isobutylene .....                                       | --               | --   | 0                                   | --           | --                       | 0                         | --                              | --           | -1                             |
| <b>Other Liquids</b> .....                              | --               | <b>1,250</b>                                       | --                                  | <b>1,287</b> | <b>27</b>                | <b>27</b>                 | <b>2,011</b>                    | <b>512</b>   | <b>14</b>                      |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons ..... | --               | 1,250  | --                                  | 36           | 108                      | 5                         | 1,201                           | 188          | 0                              |
| Hydrogen .....  | --               | --   | --                                  | --           | 221                      | --                        | 221                             | --           | 0                              |
| Oxygenates (excluding Fuel Ethanol) .....               | --               | 79   | --                                  | 10           | -19                      | 0                         | --                              | 69           | 0                              |
| Renewable Fuels (including Fuel Ethanol) .....          | --               | 1,171  | --                                  | 26           | -95                      | 5                         | 978                             | 118          | 0                              |
| Fuel Ethanol <sup>5</sup> .....                         | --               | 1,050  | --                                  | 4            | -20                      | 1                         | 921                             | 112          | 0                              |
| Renewable Fuels Except Fuel Ethanol .....               | --               | 121  | --                                  | 22           | -76                      | 4                         | 57                              | 7            | 0                              |
| Other Hydrocarbons .....                                | --               | --   | --                                  | 0            | 1                        | 0                         | 1                               | --           | 0                              |
| Unfinished Oils .....                                   | --               | --   | --                                  | 611          | --                       | -1                        | 334                             | 263          | 15                             |
| Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....    | --               | 0  | --                                  | 641          | -81                      | 23                        | 475                             | 61           | 0                              |
| Reformulated .....                                      | --               | 0  | --                                  | 177          | 162                      | -9                        | 347                             | 0            | 0                              |
| Conventional .....                                      | --               | 0  | --                                  | 464          | -243                     | 32                        | 128                             | 61           | 0                              |
| Aviation Gasoline Blend. Comp. .....                    | --               | --   | --                                  | --           | --                       | 0                         | 1                               | --           | -1                             |
| <b>Finished Petroleum Products</b> .....                | --               | <b>5</b>   | <b>20,059</b>                       | <b>690</b>   | <b>177</b>               | <b>7</b>                  | --                              | <b>3,439</b> | <b>17,484</b>                  |
| Finished Motor Gasoline .....                           | --               | 5  | 10,061                              | 45           | 101                      | 3                         | --                              | 879          | 9,329                          |
| Reformulated .....                                      | --               | --   | 3,251                               | --           | -149                     | 0                         | --                              | --           | 3,102                          |
| Conventional .....                                      | --               | 5  | 6,809                               | 45           | 250                      | 3                         | --                              | 879          | 6,227                          |
| Finished Aviation Gasoline .....                        | --               | --   | 12                                  | 0            | --                       | 0                         | --                              | --           | 12                             |
| Kerosene-Type Jet Fuel .....                            | --               | --   | 1,806                               | 124          | --                       | 1                         | --                              | 223          | 1,707                          |
| Kerosene .....  | --               | --   | 9                                   | 2            | --                       | 1                         | --                              | 4            | 5                              |
| Distillate Fuel Oil <sup>5</sup> .....                  | --               | --   | 5,168                               | 175          | 77                       | -15                       | --                              | 1,289        | 4,146                          |
| 15 ppm sulfur and under .....                           | --               | --   | 4,849                               | 152          | 77                       | -12                       | --                              | 1,073        | 4,017                          |
| Greater than 15 ppm to 500 ppm sulfur .....             | --               | --   | 111                                 | 4            | --                       | -6                        | --                              | 106          | 16                             |
| Greater than 500 ppm sulfur .....                       | --               | --   | 207                                 | 19           | --                       | 3                         | --                              | 110          | 114                            |
| Residual Fuel Oil <sup>6</sup> .....                    | --               | --   | 425                                 | 211          | --                       | -3                        | --                              | 321          | 318                            |
| Less than 0.31 percent sulfur .....                     | --               | --   | 61                                  | 23           | --                       | 1                         | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur .....                       | --               | --   | 62                                  | 20           | --                       | -6                        | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur .....                  | --               | --   | 302                                 | 168          | --                       | 2                         | --                              | NA           | NA                             |
| Petrochemical Feedstocks .....                          | --               | --   | 326                                 | 22           | --                       | 1                         | --                              | --           | 346                            |
| Naphtha for Petro. Feed. Use .....                      | --               | --   | 217                                 | 18           | --                       | 1                         | --                              | --           | 233                            |
| Other Oils for Petro. Feed. Use .....                   | --               | --   | 109                                 | 4            | --                       | 0                         | --                              | --           | 112                            |
| Special Naphthas .....                                  | --               | --   | 36                                  | 13           | --                       | 1                         | --                              | --           | 48                             |
| Lubricants .....  | --               | --   | 184                                 | 43           | --                       | 5                         | --                              | 105          | 117                            |
| Waxes .....   | --               | --   | 5                                   | 5            | --                       | 0                         | --                              | 4            | 6                              |
| Petroleum Coke .....                                    | --               | --   | 901                                 | 11           | --                       | -2                        | --                              | 588          | 327                            |
| Marketable .....  | --               | --   | 670                                 | 11           | --                       | -2                        | --                              | 588          | 95                             |
| Catalyst .....  | --               | --   | 232                                 | --           | --                       | --                        | --                              | --           | 232                            |
| Asphalt and Road Oil .....                              | --               | --   | 329                                 | 38           | --                       | 15                        | --                              | 25           | 327                            |
| Still Gas .....   | --               | --   | 703                                 | --           | --                       | --                        | --                              | --           | 703                            |
| Miscellaneous Products .....                            | --               | --   | 94                                  | 0            | --                       | 0                         | --                              | 1            | 94                             |
| <b>Total</b> .....                                      | <b>15,360</b>    | <b>1,234</b>                                       | <b>20,693</b>                       | <b>9,943</b> | <b>483</b>               | <b>51</b>                 | <b>19,555</b>                   | <b>7,601</b> | <b>20,504</b>                  |

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<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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**Table 3. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |                |                                | Ending Stocks  |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|----------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> |                |
| <b>Crude Oil</b>                                  | <b>20,160</b>    | --   | --                                  | <b>290,776</b>                       | <b>62,146</b>             | <b>18,852</b>            | <b>176</b>                | <b>381,551</b>                  | <b>10,208</b>  | <b>0</b>                       | <b>11,655</b>  |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>181,518</b>   | <b>-165</b>  | <b>13,158</b>                       | <b>17,407</b>                        | <b>-27,449</b>            | --                       | <b>554</b>                | <b>16,301</b>                   | <b>36,944</b>  | <b>130,670</b>                 | <b>9,037</b>   |
| Natural Gas Liquids                               | 181,518          | -165   | 8,942                               | 15,364                               | -30,912                   | --                       | 598                       | 16,301                          | 36,944         | 120,904                        | 8,749          |
| Ethane  | 78,258           | --   | --                                  | --                                   | -65,586                   | --                       | 389                       | --                              | 11,433         | 850                            | 843            |
| Propane   | 59,455           | --   | 7,721                               | 13,548                               | 36,599                    | --                       | 142                       | --                              | 21,164         | 96,017                         | 5,987          |
| Normal Butane                                     | 17,969           | --   | 1,569                               | 616                                  | 3,225                     | --                       | 64                        | 10,077                          | 3,109          | 10,129                         | 1,420          |
| Isobutane   | 8,928            | --   | -348                                | 1,200                                | -2,150                    | --                       | 18                        | 4,735                           | 12             | 2,865                          | 194            |
| Natural Gasoline                                  | 16,908           | -165   | --                                  | --                                   | -3,000                    | --                       | -15                       | 1,489                           | 1,226          | 11,043                         | 305            |
| Refinery Olefins                                  | --               | --   | 4,216                               | 2,043                                | 3,463                     | --                       | -44                       | --                              | --             | 9,766                          | 288            |
| Ethylene  | --               | --   | 83                                  | --                                   | --                        | --                       | --                        | --                              | --             | 83                             | --             |
| Propylene   | --               | --   | 4,287                               | 2,043                                | 3,463                     | --                       | -33                       | --                              | --             | 9,826                          | 121            |
| Butylene  | --               | --   | -462                                | --                                   | --                        | --                       | -41                       | --                              | --             | -421                           | 107            |
| Isobutylene                                       | --               | --   | 308                                 | --                                   | --                        | --                       | 30                        | --                              | --             | 278                            | 60             |
| <b>Other Liquids</b>                              | --               | <b>11,818</b>                                      | --                                  | <b>217,560</b>                       | <b>730,558</b>            | <b>41,966</b>            | <b>3,154</b>              | <b>996,737</b>                  | <b>3,623</b>   | <b>-1,611</b>                  | <b>72,313</b>  |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 11,854   | --                                  | 2,230                                | 116,270                   | -1,774                   | -715                      | 127,529                         | 1,766          | 0                              | 8,094          |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 1,264                    | --                        | 1,264                           | --             | 0                              | --             |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 14                       | --                        | --                              | 14             | 0                              | --             |
| Renewable Fuels (including Fuel Ethanol)          | --               | 11,854   | --                                  | 2,230                                | 116,270                   | -3,053                   | -715                      | 126,265                         | 1,752          | 0                              | 8,094          |
| Fuel Ethanol <sup>6</sup>                         | --               | 9,019  | --                                  | --                                   | 113,798                   | 909                      | -433                      | 122,551                         | 1,608          | 0                              | 6,581          |
| Renewable Fuels Except Fuel Ethanol               | --               | 2,835  | --                                  | 2,230                                | 2,473                     | -3,962                   | -282                      | 3,714                           | 144            | 0                              | 1,513          |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Unfinished Oils                                   | --               | --   | --                                  | 14,550                               | 75                        | --                       | -8                        | 15,841                          | 403            | -1,611                         | 5,205          |
| Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>    | --               | -36  | --                                  | 200,780                              | 614,213                   | 43,741                   | 3,877                     | 853,367                         | 1,454          | 0                              | 59,014         |
| Reformulated                                      | --               | --   | --                                  | 63,584                               | 95,063                    | 31,049                   | -1,031                    | 190,698                         | 29             | 0                              | 18,832         |
| Conventional                                      | --               | -36  | --                                  | 137,196                              | 519,150                   | 12,691                   | 4,908                     | 662,669                         | 1,424          | 0                              | 40,182         |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| <b>Finished Petroleum Products</b>                | --               | --   | <b>1,399,067</b>                    | <b>129,398</b>                       | <b>547,801</b>            | <b>-40,678</b>           | <b>-10,007</b>            | --                              | <b>51,237</b>  | <b>1,994,358</b>               | <b>73,157</b>  |
| Finished Motor Gasoline                           | --               | --   | 1,179,132                           | 13,446                               | 51,687                    | -44,650                  | -1,625                    | --                              | 2,396          | 1,198,844                      | 3,880          |
| Reformulated                                      | --               | --   | 475,059                             | --                                   | --                        | -25,996                  | 6                         | --                              | --             | 449,057                        | 30             |
| Conventional                                      | --               | --   | 704,073                             | 13,446                               | 51,687                    | -18,654                  | -1,631                    | --                              | 2,396          | 749,787                        | 3,850          |
| Finished Aviation Gasoline                        | --               | --   | --                                  | 31                                   | 1,056                     | --                       | -45                       | --                              | --             | 1,132                          | 130            |
| Kerosene-Type Jet Fuel                            | --               | --   | 32,509                              | 16,916                               | 180,854                   | --                       | -1,684                    | --                              | 5,544          | 226,419                        | 7,876          |
| Kerosene  | --               | --   | 1,288                               | 614                                  | 1,625                     | --                       | 254                       | --                              | 277            | 2,996                          | 2,052          |
| Distillate Fuel Oil <sup>6</sup>                  | --               | --   | 120,496                             | 53,222                               | 288,220                   | 3,972                    | -7,756                    | --                              | 12,556         | 461,109                        | 44,955         |
| 15 ppm sulfur and under                           | --               | --   | 109,998                             | 47,125                               | 266,788                   | 3,972                    | -6,191                    | --                              | 7,948          | 426,126                        | 37,762         |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 5,557                               | 1,355                                | 1,335                     | --                       | -1,811                    | --                              | 2,705          | 7,353                          | 2,692          |
| Greater than 500 ppm sulfur                       | --               | --   | 4,941                               | 4,742                                | 20,097                    | --                       | 246                       | --                              | 1,904          | 27,630                         | 4,501          |
| Residual Fuel Oil <sup>7</sup>                    | --               | --   | 17,292                              | 33,062                               | -1,998                    | --                       | -1,271                    | --                              | 14,757         | 34,870                         | 6,033          |
| Less than 0.31 percent sulfur                     | --               | --   | 4,938                               | 694                                  | -91                       | --                       | -68                       | --                              | NA             | NA                             | 901            |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 5,220                               | 2,055                                | -1,078                    | --                       | -218                      | --                              | NA             | NA                             | 1,429          |
| Greater than 1.00 percent sulfur                  | --               | --   | 7,134                               | 30,313                               | -829                      | --                       | -985                      | --                              | NA             | NA                             | 3,703          |
| Petrochemical Feedstocks                          | --               | --   | 1,105                               | 33                                   | 135                       | --                       | -18                       | --                              | --             | 1,291                          | 80             |
| Naphtha for Petro. Feed. Use                      | --               | --   | 1,105                               | 18                                   | 144                       | --                       | -18                       | --                              | --             | 1,285                          | 80             |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | 15                                   | -9                        | --                       | --                        | --                              | --             | 6                              | --             |
| Special Naphthas                                  | --               | --   | 245                                 | 20                                   | --                        | --                       | -4                        | --                              | --             | 269                            | 43             |
| Lubricants  | --               | --   | 4,847                               | 1,815                                | 5,004                     | --                       | 239                       | --                              | 2,869          | 8,558                          | 1,301          |
| Waxes   | --               | --   | 199                                 | 934                                  | --                        | --                       | -149                      | --                              | 816            | 466                            | 376            |
| Petroleum Coke                                    | --               | --   | 12,458                              | 193                                  | 5,848                     | --                       | --                        | --                              | 10,912         | 7,587                          | --             |
| Marketable  | --               | --   | 4,746                               | 193                                  | 5,848                     | --                       | --                        | --                              | 10,912         | -125                           | --             |
| Catalyst  | --               | --   | 7,712                               | --                                   | --                        | --                       | --                        | --                              | --             | 7,712                          | --             |
| Asphalt and Road Oil                              | --               | --   | 12,509                              | 9,112                                | 15,370                    | --                       | 2,047                     | --                              | 946            | 33,998                         | 6,397          |
| Still Gas   | --               | --   | 15,824                              | --                                   | --                        | --                       | --                        | --                              | --             | 15,824                         | --             |
| Miscellaneous Products                            | --               | --   | 1,163                               | --                                   | --                        | --                       | 5                         | --                              | 163            | 995                            | 34             |
| <b>Total</b>                                      | <b>201,678</b>   | <b>11,653</b>                                      | <b>1,412,225</b>                    | <b>655,141</b>                       | <b>1,313,056</b>          | <b>20,141</b>            | <b>-6,123</b>             | <b>1,394,589</b>                | <b>102,012</b> | <b>2,123,417</b>               | <b>166,162</b> |

-- = Not Applicable.  
- = No Data Reported.  
NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 4. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                                  | 55               | --   | --                                  | 797                                  | 170                       | 52                       | 0                         | 1,045                           | 28         | 0                              |
| <b>Hydrocarbon Gas Liquids</b>                    | 497              | 0  | 36                                  | 48                                   | -75                       | --                       | 2                         | 45                              | 101        | 358                            |
| Natural Gas Liquids                               | 497              | 0  | 24                                  | 42                                   | -85                       | --                       | 2                         | 45                              | 101        | 331                            |
| Ethane  | 214              | --   | --                                  | --                                   | -180                      | --                       | 1                         | --                              | 31         | 2                              |
| Propane   | 163              | --   | 21                                  | 37                                   | 100                       | --                       | 0                         | --                              | --         | 263                            |
| Normal Butane                                     | 49               | --   | 4                                   | 2                                    | 9                         | --                       | 0                         | 28                              | --         | 28                             |
| Isobutane   | 24               | --   | -1                                  | 3                                    | -6                        | --                       | 0                         | 13                              | 0          | 8                              |
| Natural Gasoline                                  | 46               | 0  | --                                  | --                                   | -8                        | --                       | 0                         | 4                               | 3          | 30                             |
| Refinery Olefins                                  | --               | --   | 12                                  | 6                                    | 9                         | --                       | 0                         | --                              | --         | 27                             |
| Ethylene  | --               | --   | 0                                   | --                                   | --                        | --                       | --                        | --                              | --         | 0                              |
| Propylene   | --               | --   | 12                                  | 6                                    | 9                         | --                       | 0                         | --                              | --         | 27                             |
| Butylene  | --               | --   | -1                                  | --                                   | --                        | --                       | 0                         | --                              | --         | -1                             |
| Isobutylene                                       | --               | --   | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 1                              |
| <b>Other Liquids</b>                              | --               | 32   | --                                  | 596                                  | 2,002                     | 115                      | 9                         | 2,731                           | 10         | -4                             |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 32   | --                                  | 6                                    | 319                       | -5                       | -2                        | 349                             | 5          | 0                              |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 3                        | --                        | 3                               | --         | 0                              |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 0                        | --                        | --                              | 0          | 0                              |
| Renewable Fuels (including Fuel Ethanol)          | --               | 32   | --                                  | 6                                    | 319                       | -8                       | -2                        | 346                             | 5          | 0                              |
| Fuel Ethanol <sup>6</sup>                         | --               | 25   | --                                  | --                                   | 312                       | 2                        | -1                        | 336                             | 4          | 0                              |
| Renewable Fuels Except Fuel Ethanol               | --               | 8  | --                                  | 6                                    | 7                         | -11                      | -1                        | 10                              | 0          | 0                              |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils                                   | --               | --   | --                                  | 40                                   | 0                         | --                       | 0                         | 43                              | 1          | -4                             |
| Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup>    | --               | 0  | --                                  | 550                                  | 1,683                     | 120                      | 11                        | 2,338                           | 4          | 0                              |
| Reformulated                                      | --               | --   | --                                  | 174                                  | 260                       | 85                       | -3                        | 522                             | 0          | 0                              |
| Conventional                                      | --               | 0  | --                                  | 376                                  | 1,422                     | 35                       | 13                        | 1,816                           | 4          | 0                              |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>                | --               | --   | 3,833                               | 355                                  | 1,501                     | -111                     | -27                       | --                              | 140        | 5,464                          |
| Finished Motor Gasoline                           | --               | --   | 3,230                               | 37                                   | 142                       | -122                     | -4                        | --                              | 7          | 3,285                          |
| Reformulated                                      | --               | --   | 1,302                               | --                                   | --                        | -71                      | 0                         | --                              | --         | 1,230                          |
| Conventional                                      | --               | --   | 1,929                               | 37                                   | 142                       | -51                      | -4                        | --                              | 7          | 2,054                          |
| Finished Aviation Gasoline                        | --               | --   | --                                  | 0                                    | 3                         | --                       | 0                         | --                              | --         | 3                              |
| Kerosene-Type Jet Fuel                            | --               | --   | 89                                  | 46                                   | 495                       | --                       | -5                        | --                              | 15         | 620                            |
| Kerosene  | --               | --   | 4                                   | 2                                    | 4                         | --                       | 1                         | --                              | 1          | 8                              |
| Distillate Fuel Oil <sup>6</sup>                  | --               | --   | 330                                 | 146                                  | 790                       | 11                       | -21                       | --                              | 34         | 1,263                          |
| 15 ppm sulfur and under                           | --               | --   | 301                                 | 129                                  | 731                       | 11                       | -17                       | --                              | 22         | 1,167                          |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 15                                  | 4                                    | 4                         | --                       | -5                        | --                              | 7          | 20                             |
| Greater than 500 ppm sulfur                       | --               | --   | 14                                  | 13                                   | 55                        | --                       | 1                         | --                              | 5          | 76                             |
| Residual Fuel Oil <sup>7</sup>                    | --               | --   | 47                                  | 91                                   | -5                        | --                       | -3                        | --                              | 40         | 96                             |
| Less than 0.31 percent sulfur                     | --               | --   | 14                                  | 2                                    | 0                         | --                       | 0                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 14                                  | 6                                    | -3                        | --                       | -1                        | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur                  | --               | --   | 20                                  | 83                                   | -2                        | --                       | -3                        | --                              | NA         | NA                             |
| Petrochemical Feedstocks                          | --               | --   | 3                                   | 0                                    | 0                         | --                       | 0                         | --                              | --         | 4                              |
| Naphtha for Petro. Feed. Use                      | --               | --   | 3                                   | 0                                    | 0                         | --                       | 0                         | --                              | --         | 4                              |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | 0                                    | 0                         | --                       | --                        | --                              | --         | 0                              |
| Special Naphthas                                  | --               | --   | 1                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Lubricants  | --               | --   | 13                                  | 5                                    | 14                        | --                       | 1                         | --                              | 8          | 23                             |
| Waxes   | --               | --   | 1                                   | 3                                    | --                        | --                       | 0                         | --                              | 2          | 1                              |
| Petroleum Coke                                    | --               | --   | 34                                  | 1                                    | 16                        | --                       | --                        | --                              | 30         | 21                             |
| Marketable  | --               | --   | 13                                  | 1                                    | 16                        | --                       | --                        | --                              | 30         | 0                              |
| Catalyst  | --               | --   | 21                                  | --                                   | --                        | --                       | --                        | --                              | --         | 21                             |
| Asphalt and Road Oil                              | --               | --   | 34                                  | 25                                   | 42                        | --                       | 6                         | --                              | 3          | 93                             |
| Still Gas   | --               | --   | 43                                  | --                                   | --                        | --                       | --                        | --                              | --         | 43                             |
| Miscellaneous Products                            | --               | --   | 3                                   | --                                   | --                        | --                       | 0                         | --                              | 0          | 3                              |
| <b>Total</b>                                      | <b>553</b>       | <b>32</b>  | <b>3,869</b>                        | <b>1,795</b>                         | <b>3,597</b>              | <b>55</b>                | <b>-17</b>                | <b>3,821</b>                    | <b>279</b> | <b>5,818</b>                   |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 5. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |                |                                | Ending Stocks  |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|----------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> |                |
| <b>Crude Oil</b>                                  | <b>741,560</b>   | --   | --                                  | <b>1,024,551</b>                     | <b>-219,035</b>           | <b>-90,126</b>           | <b>71</b>                 | <b>1,385,221</b>                | <b>71,657</b>  | <b>0</b>                       | <b>132,102</b> |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>357,756</b>   | <b>-6,970</b>                                      | <b>38,278</b>                       | <b>32,151</b>                        | <b>-101,350</b>           | --                       | <b>838</b>                | <b>38,986</b>                   | <b>102,947</b> | <b>177,094</b>                 | <b>50,110</b>  |
| Natural Gas Liquids                               | 357,756          | -6,970   | 22,063                              | 27,135                               | -92,561                   | --                       | 952                       | 38,986                          | 102,947        | 164,538                        | 49,674         |
| Ethane  | 125,845          | --   | --                                  | --                                   | -37,014                   | --                       | 178                       | --                              | 33,452         | 55,201                         | 5,211          |
| Propane   | 126,924          | --   | 26,766                              | 22,091                               | -84,966                   | --                       | 824                       | --                              | 1,609          | 88,382                         | 20,690         |
| Normal Butane                                     | 42,788           | --   | -3,123                              | 2,946                                | -24,630                   | --                       | 79                        | 9,227                           | 3,644          | 5,031                          | 11,392         |
| Isobutane   | 21,477           | --   | -1,580                              | 2,038                                | 2,662                     | --                       | -199                      | 18,744                          | 6              | 6,046                          | 1,961          |
| Natural Gasoline                                  | 40,722           | -6,970   | --                                  | 60                                   | 51,387                    | --                       | 70                        | 11,015                          | 64,235         | 9,879                          | 10,420         |
| Refinery Olefins                                  | --               | --   | 16,215                              | 5,016                                | -8,789                    | --                       | -114                      | --                              | --             | 12,556                         | 436            |
| Ethylene  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Propylene   | --               | --   | 15,544                              | 4,380                                | -8,789                    | --                       | -73                       | --                              | --             | 11,208                         | 362            |
| Butylene  | --               | --   | 698                                 | 636                                  | --                        | --                       | -111                      | --                              | --             | 1,445                          | 4              |
| Isobutylene                                       | --               | --   | -27                                 | --                                   | --                        | --                       | 70                        | --                              | --             | -97                            | 70             |
| <b>Other Liquids</b>                              | --               | <b>381,246</b>                                     | --                                  | <b>6,826</b>                         | <b>-149,182</b>           | <b>-22,693</b>           | <b>2,998</b>              | <b>204,476</b>                  | <b>30,009</b>  | <b>-21,286</b>                 | <b>72,077</b>  |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 381,260  | --                                  | 784                                  | -251,196                  | -11,705                  | -218                      | 110,763                         | 8,597          | 0                              | 9,701          |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 13,618                   | --                        | 13,618                          | --             | 0                              | --             |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 16                       | -3                        | --                              | 19             | 0                              | 4              |
| Renewable Fuels (including Fuel Ethanol)          | --               | 381,260  | --                                  | 758                                  | -251,196                  | -25,681                  | -189                      | 96,751                          | 8,579          | 0                              | 9,676          |
| Fuel Ethanol                                      | --               | 352,213  | --                                  | --                                   | -241,745                  | -12,426                  | -343                      | 90,815                          | 7,570          | 0                              | 8,759          |
| Renewable Fuels Except Fuel Ethanol               | --               | 29,047   | --                                  | 758                                  | -9,451                    | -13,255                  | 154                       | 5,936                           | 1,009          | 0                              | 917            |
| Other Hydrocarbons                                | --               | --   | --                                  | 26                                   | --                        | 342                      | -26                       | 394                             | --             | 0                              | 21             |
| Unfinished Oils                                   | --               | --   | --                                  | 731                                  | -1,477                    | --                       | -724                      | 242                             | 21,022         | -21,286                        | 12,744         |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | -14  | --                                  | 5,311                                | 103,491                   | -10,987                  | 3,940                     | 93,471                          | 390            | 0                              | 49,632         |
| Reformulated                                      | --               | -2   | --                                  | 64                                   | 28,753                    | -14,223                  | 26                        | 14,565                          | 1              | 0                              | 6,189          |
| Conventional                                      | --               | -12  | --                                  | 5,247                                | 74,738                    | 3,236                    | 3,914                     | 78,906                          | 389            | 0                              | 43,443         |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| <b>Finished Petroleum Products</b>                | --               | <b>1,832</b>                                       | <b>1,674,021</b>                    | <b>11,280</b>                        | <b>37,415</b>             | <b>36,723</b>            | <b>7,477</b>              | --                              | <b>11,856</b>  | <b>1,741,938</b>               | <b>64,123</b>  |
| Finished Motor Gasoline                           | --               | 1,832  | 947,712                             | --                                   | 4,516                     | 23,413                   | -13                       | --                              | 2,004          | 975,482                        | 6,504          |
| Reformulated                                      | --               | --   | 132,906                             | --                                   | --                        | 17,022                   | --                        | --                              | --             | 149,928                        | --             |
| Conventional                                      | --               | 1,832  | 814,806                             | --                                   | 4,516                     | 6,391                    | -13                       | --                              | 2,004          | 825,554                        | 6,504          |
| Finished Aviation Gasoline                        | --               | --   | 456                                 | 30                                   | 183                       | --                       | 8                         | --                              | --             | 661                            | 166            |
| Kerosene-Type Jet Fuel                            | --               | --   | 95,708                              | --                                   | 13,902                    | --                       | 637                       | --                              | 557            | 108,416                        | 7,537          |
| Kerosene  | --               | --   | 1,508                               | 2                                    | 45                        | --                       | 179                       | --                              | 20             | 1,356                          | 299            |
| Distillate Fuel Oil                               | --               | --   | 414,411                             | 2,937                                | 46,181                    | 13,310                   | 4,904                     | --                              | 1,401          | 470,534                        | 33,697         |
| 15 ppm sulfur and under                           | --               | --   | 414,911                             | 2,045                                | 44,749                    | 13,310                   | 4,848                     | --                              | 5              | 470,162                        | 32,978         |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 1,068                               | --                                   | 1,432                     | --                       | 58                        | --                              | 851            | 1,591                          | 382            |
| Greater than 500 ppm sulfur                       | --               | --   | -1,568                              | 892                                  | --                        | --                       | -2                        | --                              | 545            | -1,219                         | 337            |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 17,596                              | 1,351                                | -9,347                    | --                       | 46                        | --                              | 1,966          | 7,588                          | 1,280          |
| Less than 0.31 percent sulfur                     | --               | --   | 539                                 | 1                                    | -404                      | --                       | -53                       | --                              | NA             | NA                             | 57             |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 2,530                               | 409                                  | -261                      | --                       | 90                        | --                              | NA             | NA                             | 274            |
| Greater than 1.00 percent sulfur                  | --               | --   | 14,527                              | 941                                  | -8,682                    | --                       | 9                         | --                              | NA             | NA                             | 949            |
| Petrochemical Feedstocks                          | --               | --   | 11,212                              | 1,717                                | -1,349                    | --                       | 77                        | --                              | --             | 11,503                         | 565            |
| Naphtha for Petro. Feed. Use                      | --               | --   | 7,640                               | 840                                  | -1,081                    | --                       | 75                        | --                              | --             | 7,324                          | 427            |
| Other Oils for Petro. Feed. Use                   | --               | --   | 3,572                               | 877                                  | -268                      | --                       | 2                         | --                              | --             | 4,179                          | 138            |
| Special Naphthas                                  | --               | --   | 681                                 | 135                                  | 305                       | --                       | 82                        | --                              | --             | 1,039                          | 183            |
| Lubricants  | --               | --   | 2,399                               | 1,536                                | 2,379                     | --                       | -56                       | --                              | 2,275          | 4,095                          | 827            |
| Waxes   | --               | --   | 354                                 | 46                                   | --                        | --                       | -35                       | --                              | 397            | 38                             | 28             |
| Petroleum Coke                                    | --               | --   | 68,551                              | 309                                  | -10,763                   | --                       | -179                      | --                              | 1,920          | 56,356                         | 1,338          |
| Marketable  | --               | --   | 50,917                              | 309                                  | -10,763                   | --                       | -179                      | --                              | 1,920          | 38,722                         | 1,338          |
| Catalyst  | --               | --   | 17,634                              | --                                   | --                        | --                       | --                        | --                              | --             | 17,634                         | --             |
| Asphalt and Road Oil                              | --               | --   | 54,850                              | 3,213                                | -8,729                    | --                       | 1,835                     | --                              | 1,293          | 46,206                         | 11,582         |
| Still Gas   | --               | --   | 52,895                              | --                                   | --                        | --                       | --                        | --                              | --             | 52,895                         | --             |
| Miscellaneous Products                            | --               | --   | 5,688                               | 4                                    | 92                        | --                       | -8                        | --                              | 24             | 5,768                          | 117            |
| <b>Total</b>                                      | <b>1,099,316</b> | <b>376,108</b>                                     | <b>1,712,299</b>                    | <b>1,074,808</b>                     | <b>-432,152</b>           | <b>-76,096</b>           | <b>11,384</b>             | <b>1,628,683</b>                | <b>216,470</b> | <b>1,897,746</b>               | <b>318,412</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 6. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| Crude Oil .....   | 2,032            | --   | --                                  | 2,807                                | -600                      | -247                     | 0                         | 3,795                           | 196        | 0                              |
| <b>Hydrocarbon Gas Liquids .....</b>                    | <b>980</b>       | <b>-19</b>   | <b>105</b>                          | <b>88</b>                            | <b>-278</b>               | <b>--</b>                | <b>2</b>                  | <b>107</b>                      | <b>282</b> | <b>485</b>                     |
| Natural Gas Liquids .....                               | 980              | -19  | 60                                  | 74                                   | -254                      | --                       | 3                         | 107                             | 282        | 451                            |
| Ethane .....  | 345              | --   | --                                  | --                                   | -101                      | --                       | 0                         | --                              | 92         | 151                            |
| Propane .....   | 348              | --   | 73                                  | 61                                   | -233                      | --                       | 2                         | --                              | 4          | 242                            |
| Normal Butane .....                                     | 117              | --   | -9                                  | 8                                    | -67                       | --                       | 0                         | 25                              | 10         | 14                             |
| Isobutane .....   | 59               | --   | -4                                  | 6                                    | 7                         | --                       | -1                        | 51                              | 0          | 17                             |
| Natural Gasoline .....                                  | 112              | -19  | --                                  | 0                                    | 141                       | --                       | 0                         | 30                              | 176        | 27                             |
| Refinery Olefins .....                                  | --               | --   | 44                                  | 14                                   | -24                       | --                       | 0                         | --                              | --         | 34                             |
| Ethylene .....  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene .....   | --               | --   | 43                                  | 12                                   | -24                       | --                       | 0                         | --                              | --         | 31                             |
| Butylene .....  | --               | --   | 2                                   | 2                                    | --                        | --                       | 0                         | --                              | --         | 4                              |
| Isobutylene .....                                       | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids .....</b>                              | <b>--</b>        | <b>1,045</b>                                       | <b>--</b>                           | <b>19</b>                            | <b>-409</b>               | <b>-62</b>               | <b>8</b>                  | <b>560</b>                      | <b>82</b>  | <b>-58</b>                     |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons ..... | --               | 1,045  | --                                  | 2                                    | -688                      | -32                      | -1                        | 303                             | 24         | 0                              |
| Hydrogen .....  | --               | --   | --                                  | --                                   | --                        | 37                       | --                        | 37                              | --         | 0                              |
| Oxygenates (excluding Fuel Ethanol) .....               | --               | --   | --                                  | --                                   | --                        | 0                        | 0                         | --                              | 0          | 0                              |
| Renewable Fuels (including Fuel Ethanol) .....          | --               | 1,045  | --                                  | 2                                    | -688                      | -70                      | -1                        | 265                             | 24         | 0                              |
| Fuel Ethanol .....                                      | --               | 965  | --                                  | --                                   | -662                      | -34                      | -1                        | 249                             | 21         | 0                              |
| Renewable Fuels Except Fuel Ethanol .....               | --               | 80   | --                                  | 2                                    | -26                       | -36                      | 0                         | 16                              | 3          | 0                              |
| Other Hydrocarbons .....                                | --               | --   | --                                  | 0                                    | --                        | 1                        | 0                         | 1                               | --         | 0                              |
| Unfinished Oils .....                                   | --               | --   | --                                  | 2                                    | -4                        | --                       | -2                        | 1                               | 58         | -58                            |
| Motor Gasoline Blend.Comp. (MGBC) .....                 | --               | 0  | --                                  | 15                                   | 284                       | -30                      | 11                        | 256                             | 1          | 0                              |
| Reformulated .....                                      | --               | 0  | --                                  | 0                                    | 79                        | -39                      | 0                         | 40                              | 0          | 0                              |
| Conventional .....                                      | --               | 0  | --                                  | 14                                   | 205                       | 9                        | 11                        | 216                             | 1          | 0                              |
| Aviation Gasoline Blend. Comp. ....                     | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products .....</b>                | <b>--</b>        | <b>5</b>   | <b>4,586</b>                        | <b>31</b>                            | <b>103</b>                | <b>101</b>               | <b>20</b>                 | <b>--</b>                       | <b>32</b>  | <b>4,772</b>                   |
| Finished Motor Gasoline .....                           | --               | 5  | 2,596                               | --                                   | 12                        | 64                       | 0                         | --                              | 5          | 2,673                          |
| Reformulated .....                                      | --               | --   | 364                                 | --                                   | --                        | 47                       | --                        | --                              | --         | 411                            |
| Conventional .....                                      | --               | 5  | 2,232                               | --                                   | 12                        | 18                       | 0                         | --                              | 5          | 2,262                          |
| Finished Aviation Gasoline .....                        | --               | --   | 1                                   | 0                                    | 1                         | --                       | 0                         | --                              | --         | 2                              |
| Kerosene-Type Jet Fuel .....                            | --               | --   | 262                                 | --                                   | 38                        | --                       | 2                         | --                              | 2          | 297                            |
| Kerosene .....  | --               | --   | 4                                   | 0                                    | 0                         | --                       | 0                         | --                              | 0          | 4                              |
| Distillate Fuel Oil .....                               | --               | --   | 1,135                               | 8                                    | 127                       | 36                       | 13                        | --                              | 4          | 1,289                          |
| 15 ppm sulfur and under .....                           | --               | --   | 1,137                               | 6                                    | 123                       | 36                       | 13                        | --                              | 0          | 1,288                          |
| Greater than 15 ppm to 500 ppm sulfur .....             | --               | --   | 3                                   | --                                   | 4                         | --                       | 0                         | --                              | 2          | 4                              |
| Greater than 500 ppm sulfur .....                       | --               | --   | -4                                  | 2                                    | --                        | --                       | 0                         | --                              | 1          | -3                             |
| Residual Fuel Oil <sup>6</sup> .....                    | --               | --   | 48                                  | 4                                    | -26                       | --                       | 0                         | --                              | 5          | 21                             |
| Less than 0.31 percent sulfur .....                     | --               | --   | 1                                   | 0                                    | -1                        | --                       | 0                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur .....                       | --               | --   | 7                                   | 1                                    | -1                        | --                       | 0                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur .....                  | --               | --   | 40                                  | 3                                    | -24                       | --                       | 0                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks .....                          | --               | --   | 31                                  | 5                                    | -4                        | --                       | 0                         | --                              | --         | 32                             |
| Naphtha for Petro. Feed. Use .....                      | --               | --   | 21                                  | 2                                    | -3                        | --                       | 0                         | --                              | --         | 20                             |
| Other Oils for Petro. Feed. Use .....                   | --               | --   | 10                                  | 2                                    | -1                        | --                       | 0                         | --                              | --         | 11                             |
| Special Naphthas .....                                  | --               | --   | 2                                   | 0                                    | 1                         | --                       | 0                         | --                              | --         | 3                              |
| Lubricants .....  | --               | --   | 7                                   | 4                                    | 7                         | --                       | 0                         | --                              | 6          | 11                             |
| Waxes .....   | --               | --   | 1                                   | 0                                    | --                        | --                       | 0                         | --                              | 1          | 0                              |
| Petroleum Coke .....                                    | --               | --   | 188                                 | 1                                    | -29                       | --                       | 0                         | --                              | 5          | 154                            |
| Marketable .....  | --               | --   | 139                                 | 1                                    | -29                       | --                       | 0                         | --                              | 5          | 106                            |
| Catalyst .....  | --               | --   | 48                                  | --                                   | --                        | --                       | --                        | --                              | --         | 48                             |
| Asphalt and Road Oil .....                              | --               | --   | 150                                 | 9                                    | -24                       | --                       | 5                         | --                              | 4          | 127                            |
| Still Gas .....   | --               | --   | 145                                 | --                                   | --                        | --                       | --                        | --                              | --         | 145                            |
| Miscellaneous Products .....                            | --               | --   | 16                                  | 0                                    | 0                         | --                       | 0                         | --                              | 0          | 16                             |
| <b>Total .....</b>                                      | <b>3,012</b>     | <b>1,030</b>                                       | <b>4,691</b>                        | <b>2,945</b>                         | <b>-1,184</b>             | <b>-208</b>              | <b>31</b>                 | <b>4,462</b>                    | <b>593</b> | <b>5,199</b>                   |

-- = Not Applicable.  
- = No Data Reported.  
NA = Not Available.

<sup>1</sup> 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.  
<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogiesel, marketable petroleum coke, and asphalt and road oil.  
<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.  
<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.  
<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.  
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 7. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |                  |                                | Ending Stocks    |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------------|--------------------------------|------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports          | Products Supplied <sup>5</sup> |                  |
| <b>Crude Oil<sup>6</sup></b>                      | <b>2,576,232</b> | --   | --                                  | <b>905,569</b>                       | <b>305,702</b>            | <b>185,377</b>           | <b>13,834</b>             | <b>3,297,722</b>                | <b>661,323</b>   | <b>0</b>                       | <b>881,191</b>   |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>875,906</b>   | <b>-195</b>  | <b>157,370</b>                      | <b>1,529</b>                         | <b>261,183</b>            | --                       | <b>-2,422</b>             | <b>115,438</b>                  | <b>428,859</b>   | <b>753,918</b>                 | <b>122,866</b>   |
| Natural Gas Liquids                               | 875,906          | -195   | 73,326                              | 1                                    | 255,857                   | --                       | -4,826                    | 115,438                         | 428,859          | 665,424                        | 115,514          |
| Ethane  | 372,641          | --   | 2,160                               | --                                   | 148,915                   | --                       | -6,338                    | --                              | 48,515           | 481,539                        | 43,323           |
| Propane   | 267,066          | --   | 59,116                              | 1                                    | 92,940                    | --                       | 732                       | --                              | 313,440          | 104,951                        | 34,260           |
| Normal Butane                                     | 47,292           | --   | 16,687                              | --                                   | 35,450                    | --                       | -305                      | 35,285                          | 64,629           | -180                           | 22,421           |
| Isobutane   | 96,305           | --   | -4,637                              | --                                   | 8,423                     | --                       | 340                       | 44,003                          | 1,970            | 53,778                         | 5,711            |
| Natural Gasoline                                  | 92,602           | -195   | --                                  | --                                   | -29,871                   | --                       | 745                       | 36,150                          | 305              | 25,336                         | 9,799            |
| Refinery Olefins                                  | --               | --   | 84,044                              | 1,528                                | 5,326                     | --                       | 2,404                     | --                              | --               | 88,494                         | 7,352            |
| Ethylene  | --               | --   | 7                                   | --                                   | --                        | --                       | 0                         | --                              | --               | 7                              | 0                |
| Propylene   | --               | --   | 83,783                              | --                                   | 5,326                     | --                       | 2,434                     | --                              | --               | 86,675                         | 6,457            |
| Butylene  | --               | --   | 619                                 | 1,528                                | --                        | --                       | -30                       | --                              | --               | 2,177                          | 895              |
| Isobutylene                                       | --               | --   | -365                                | --                                   | --                        | --                       | 0                         | --                              | --               | -365                           | 0                |
| <b>Other Liquids</b>                              | --               | <b>47,298</b>                                      | --                                  | <b>200,503</b>                       | <b>-702,690</b>           | <b>22,438</b>            | <b>6,200</b>              | <b>-611,361</b>                 | <b>146,793</b>   | <b>25,916</b>                  | <b>132,386</b>   |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 47,298   | --                                  | 4,128                                | 71,089                    | 41,988                   | 1,431                     | 107,416                         | 55,656           | 0                              | 8,237            |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 48,810                   | --                        | 48,810                          | --               | 0                              | --               |
| Oxygenates (excluding Fuel Ethanol)               | --               | 28,813   | --                                  | 3,524                                | --                        | -6,988                   | 108                       | --                              | 25,241           | 0                              | 1,547            |
| Renewable Fuels (including Fuel Ethanol)          | --               | 18,485   | --                                  | 555                                  | 71,089                    | 216                      | 1,323                     | 58,606                          | 30,415           | 0                              | 6,690            |
| Fuel Ethanol                                      | --               | 9,457  | --                                  | --                                   | 68,995                    | 5,953                    | 502                       | 54,070                          | 29,833           | 0                              | 4,553            |
| Renewable Fuels Except Fuel Ethanol               | --               | 9,028  | --                                  | 555                                  | 2,094                     | -5,737                   | 821                       | 4,536                           | 583              | 0                              | 2,137            |
| Other Hydrocarbons                                | --               | --   | --                                  | 49                                   | --                        | -49                      | --                        | --                              | --               | 0                              | --               |
| Unfinished Oils                                   | --               | --   | --                                  | 175,776                              | 1,402                     | --                       | 16                        | 77,223                          | 73,715           | 26,224                         | 45,013           |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 20,599                               | -775,181                  | -19,551                  | 4,737                     | -796,292                        | 17,422           | 0                              | 79,105           |
| Reformulated                                      | --               | --   | --                                  | --                                   | -152,641                  | 44,788                   | 1,184                     | -109,153                        | 116              | 0                              | 12,316           |
| Conventional                                      | --               | --   | --                                  | 20,599                               | -622,540                  | -64,339                  | 3,553                     | -687,139                        | 17,306           | 0                              | 66,789           |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | 16                        | 292                             | --               | -308                           | 31               |
| <b>Finished Petroleum Products</b>                | --               | --   | <b>2,876,607</b>                    | <b>60,748</b>                        | <b>-602,945</b>           | <b>22,270</b>            | <b>3,648</b>              | --                              | <b>1,062,029</b> | <b>1,291,003</b>               | <b>112,299</b>   |
| Finished Motor Gasoline                           | --               | --   | 849,460                             | 838                                  | -54,775                   | 13,598                   | 2,715                     | --                              | 294,905          | 511,501                        | 11,651           |
| Reformulated                                      | --               | --   | 170,080                             | --                                   | --                        | -48,215                  | --                        | --                              | --               | 121,865                        | --               |
| Conventional                                      | --               | --   | 679,380                             | 838                                  | -54,775                   | 61,813                   | 2,715                     | --                              | 294,905          | 389,636                        | 11,651           |
| Finished Aviation Gasoline                        | --               | --   | 3,222                               | --                                   | -1,239                    | --                       | -34                       | --                              | --               | 2,017                          | 435              |
| Kerosene-Type Jet Fuel                            | --               | --   | 343,376                             | 28                                   | -206,957                  | --                       | 1,558                     | --                              | 65,633           | 69,256                         | 15,437           |
| Kerosene  | --               | --   | 460                                 | --                                   | -1,670                    | --                       | 11                        | --                              | 1,236            | -2,457                         | 187              |
| Distillate Fuel Oil                               | --               | --   | 1,068,679                           | 2,686                                | -345,495                  | 8,672                    | -2,642                    | --                              | 420,512          | 316,673                        | 43,210           |
| 15 ppm sulfur and under                           | --               | --   | 971,805                             | 1,764                                | -322,631                  | 8,672                    | -2,847                    | --                              | 357,542          | 304,915                        | 35,986           |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 29,952                              | --                                   | -2,767                    | --                       | -559                      | --                              | 32,146           | -4,402                         | 1,682            |
| Greater than 500 ppm sulfur                       | --               | --   | 66,922                              | 922                                  | -20,097                   | --                       | 764                       | --                              | 30,823           | 16,160                         | 5,542            |
| Residual Fuel Oil <sup>7</sup>                    | --               | --   | 74,443                              | 30,741                               | 11,345                    | --                       | -123                      | --                              | 88,654           | 27,998                         | 16,251           |
| Less than 0.31 percent sulfur                     | --               | --   | 14,184                              | 7,877                                | 495                       | --                       | 250                       | --                              | NA               | NA                             | 900              |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 7,199                               | 2,226                                | 1,339                     | --                       | -1,928                    | --                              | NA               | NA                             | 2,539            |
| Greater than 1.00 percent sulfur                  | --               | --   | 53,060                              | 20,638                               | 9,511                     | --                       | 1,555                     | --                              | NA               | NA                             | 12,812           |
| Petrochemical Feedstocks                          | --               | --   | 106,556                             | 5,727                                | 1,214                     | --                       | 459                       | --                              | --               | 113,038                        | 2,754            |
| Naphtha for Petro. Feed. Use                      | --               | --   | 70,518                              | 5,209                                | 937                       | --                       | 485                       | --                              | --               | 76,179                         | 1,882            |
| Other Oils for Petro. Feed. Use                   | --               | --   | 36,038                              | 518                                  | 277                       | --                       | -26                       | --                              | --               | 36,859                         | 872              |
| Special Naphthas                                  | --               | --   | 11,797                              | 4,533                                | -305                      | --                       | 179                       | --                              | --               | 15,846                         | 1,178            |
| Lubricants  | --               | --   | 52,598                              | 12,315                               | -7,024                    | --                       | 1,497                     | --                              | 29,285           | 27,107                         | 10,558           |
| Waxes   | --               | --   | 1,121                               | 451                                  | --                        | --                       | 5                         | --                              | 273              | 1,294                          | 272              |
| Petroleum Coke                                    | --               | --   | 180,802                             | 3,348                                | 8,847                     | --                       | -667                      | --                              | 154,960          | 38,704                         | 4,896            |
| Marketable  | --               | --   | 137,570                             | 3,348                                | 8,847                     | --                       | -667                      | --                              | 154,960          | -4,528                         | 4,896            |
| Catalyst  | --               | --   | 43,232                              | --                                   | --                        | --                       | --                        | --                              | --               | 43,232                         | --               |
| Asphalt and Road Oil                              | --               | --   | 28,531                              | --                                   | -6,794                    | --                       | 675                       | --                              | 6,479            | 14,583                         | 5,076            |
| Still Gas   | --               | --   | 134,434                             | --                                   | --                        | --                       | --                        | --                              | --               | 134,434                        | --               |
| Miscellaneous Products                            | --               | --   | 21,128                              | 81                                   | -92                       | --                       | 15                        | --                              | 93               | 21,009                         | 394              |
| <b>Total</b>                                      | <b>3,452,138</b> | <b>47,103</b>                                      | <b>3,033,977</b>                    | <b>1,168,349</b>                     | <b>-738,751</b>           | <b>230,084</b>           | <b>21,260</b>             | <b>2,801,799</b>                | <b>2,299,004</b> | <b>2,070,837</b>               | <b>1,248,742</b> |

-- = Not Applicable.  
- = No Data Reported.  
NA = Not Available.

<sup>1</sup> 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.  
<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.  
<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.  
<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.  
<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.  
<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.  
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 8. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |              |                                |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> |
| <b>Crude Oil<sup>6</sup></b>                      | 7,058            | --   | --                                  | 2,481                                | 838                       | 508                      | 38                        | 9,035                           | 1,812        | 0                              |
| <b>Hydrocarbon Gas Liquids</b>                    | 2,400            | -1   | 431                                 | 4                                    | 716                       | --                       | -7                        | 316                             | 1,175        | 2,066                          |
| Natural Gas Liquids                               | 2,400            | -1   | 201                                 | 0                                    | 701                       | --                       | -13                       | 316                             | 1,175        | 1,823                          |
| Ethane  | 1,021            | --   | 6                                   | --                                   | 408                       | --                       | -17                       | --                              | 133          | 1,319                          |
| Propane   | 732              | --   | 162                                 | 0                                    | 255                       | --                       | 2                         | --                              | 859          | 288                            |
| Normal Butane                                     | 130              | --   | 46                                  | --                                   | 97                        | --                       | -1                        | 97                              | 177          | 0                              |
| Isobutane   | 264              | --   | -13                                 | --                                   | 23                        | --                       | 1                         | 121                             | 5            | 147                            |
| Natural Gasoline                                  | 254              | -1   | --                                  | --                                   | -82                       | --                       | 2                         | 99                              | 1            | 69                             |
| Refinery Olefins                                  | --               | --   | 230                                 | 4                                    | 15                        | --                       | 7                         | --                              | --           | 242                            |
| Ethylene  | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --           | 0                              |
| Propylene   | --               | --   | 230                                 | --                                   | 15                        | --                       | 7                         | --                              | --           | 237                            |
| Butylene  | --               | --   | 2                                   | 4                                    | --                        | --                       | 0                         | --                              | --           | 6                              |
| Isobutylene                                       | --               | --   | -1                                  | --                                   | --                        | --                       | 0                         | --                              | --           | -1                             |
| <b>Other Liquids</b>                              | --               | 130  | --                                  | 549                                  | -1,925                    | 61                       | 17                        | -1,675                          | 402          | 71                             |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 130  | --                                  | 11                                   | 195                       | 115                      | 4                         | 294                             | 152          | 0                              |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 134                      | --                        | 134                             | --           | 0                              |
| Oxygenates (excluding Fuel Ethanol)               | --               | 79   | --                                  | 10                                   | --                        | -19                      | 0                         | --                              | 69           | 0                              |
| Renewable Fuels (including Fuel Ethanol)          | --               | 51   | --                                  | 2                                    | 195                       | 1                        | 4                         | 161                             | 83           | 0                              |
| Fuel Ethanol                                      | --               | 26   | --                                  | --                                   | 189                       | 16                       | 1                         | 148                             | 82           | 0                              |
| Renewable Fuels Except Fuel Ethanol               | --               | 25   | --                                  | 2                                    | 6                         | -16                      | 2                         | 12                              | 2            | 0                              |
| Other Hydrocarbons                                | --               | --   | --                                  | 0                                    | --                        | 0                        | --                        | --                              | --           | 0                              |
| Unfinished Oils                                   | --               | --   | --                                  | 482                                  | 4                         | --                       | 0                         | 212                             | 202          | 72                             |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 56                                   | -2,124                    | -54                      | 13                        | -2,182                          | 48           | 0                              |
| Reformulated                                      | --               | --   | --                                  | --                                   | -418                      | 123                      | 3                         | -299                            | 0            | 0                              |
| Conventional                                      | --               | --   | --                                  | 56                                   | -1,706                    | -176                     | 10                        | -1,883                          | 47           | 0                              |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | 0                         | 1                               | --           | -1                             |
| <b>Finished Petroleum Products</b>                | --               | --   | 7,881                               | 166                                  | -1,652                    | 61                       | 10                        | --                              | 2,910        | 3,537                          |
| Finished Motor Gasoline                           | --               | --   | 2,327                               | 2                                    | -150                      | 37                       | 7                         | --                              | 808          | 1,401                          |
| Reformulated                                      | --               | --   | 466                                 | --                                   | --                        | -132                     | --                        | --                              | --           | 334                            |
| Conventional                                      | --               | --   | 1,861                               | 2                                    | -150                      | 169                      | 7                         | --                              | 808          | 1,067                          |
| Finished Aviation Gasoline                        | --               | --   | 9                                   | --                                   | -3                        | --                       | 0                         | --                              | --           | 6                              |
| Kerosene-Type Jet Fuel                            | --               | --   | 941                                 | 0                                    | -567                      | --                       | 4                         | --                              | 180          | 190                            |
| Kerosene  | --               | --   | 1                                   | --                                   | -5                        | --                       | 0                         | --                              | 3            | -7                             |
| Distillate Fuel Oil                               | --               | --   | 2,928                               | 7                                    | -947                      | 24                       | -7                        | --                              | 1,152        | 868                            |
| 15 ppm sulfur and under                           | --               | --   | 2,662                               | 5                                    | -884                      | 24                       | -8                        | --                              | 980          | 835                            |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 82                                  | --                                   | -8                        | --                       | -2                        | --                              | 88           | -12                            |
| Greater than 500 ppm sulfur                       | --               | --   | 183                                 | 3                                    | -55                       | --                       | 2                         | --                              | 84           | 44                             |
| Residual Fuel Oil <sup>7</sup>                    | --               | --   | 204                                 | 84                                   | 31                        | --                       | 0                         | --                              | 243          | 77                             |
| Less than 0.31 percent sulfur                     | --               | --   | 39                                  | 22                                   | 1                         | --                       | 1                         | --                              | NA           | NA                             |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 20                                  | 6                                    | 4                         | --                       | -5                        | --                              | NA           | NA                             |
| Greater than 1.00 percent sulfur                  | --               | --   | 145                                 | 57                                   | 26                        | --                       | 4                         | --                              | NA           | NA                             |
| Petrochemical Feedstocks                          | --               | --   | 292                                 | 16                                   | 3                         | --                       | 1                         | --                              | --           | 310                            |
| Naphtha for Petro. Feed. Use                      | --               | --   | 193                                 | 14                                   | 3                         | --                       | 1                         | --                              | --           | 209                            |
| Other Oils for Petro. Feed. Use                   | --               | --   | 99                                  | 1                                    | --                        | --                       | 0                         | --                              | --           | 101                            |
| Special Naphthas                                  | --               | --   | 32                                  | 12                                   | -1                        | --                       | 0                         | --                              | --           | 43                             |
| Lubricants  | --               | --   | 144                                 | 34                                   | -19                       | --                       | 4                         | --                              | 80           | 74                             |
| Waxes   | --               | --   | 3                                   | 1                                    | --                        | --                       | 0                         | --                              | 1            | 4                              |
| Petroleum Coke                                    | --               | --   | 495                                 | 9                                    | 24                        | --                       | -2                        | --                              | 425          | 106                            |
| Marketable  | --               | --   | 377                                 | 9                                    | 24                        | --                       | -2                        | --                              | 425          | -12                            |
| Catalyst  | --               | --   | 118                                 | --                                   | --                        | --                       | --                        | --                              | --           | 118                            |
| Asphalt and Road Oil                              | --               | --   | 78                                  | --                                   | -19                       | --                       | 2                         | --                              | 18           | 40                             |
| Still Gas   | --               | --   | 368                                 | --                                   | --                        | --                       | --                        | --                              | --           | 368                            |
| Miscellaneous Products                            | --               | --   | 58                                  | 0                                    | 0                         | --                       | 0                         | --                              | 0            | 58                             |
| <b>Total</b>                                      | <b>9,458</b>     | <b>129</b>   | <b>8,312</b>                        | <b>3,201</b>                         | <b>-2,024</b>             | <b>630</b>               | <b>58</b>                 | <b>7,676</b>                    | <b>6,299</b> | <b>5,674</b>                   |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 9. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |              |                                | Ending Stocks |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|--------------|--------------------------------|---------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports      | Products Supplied <sup>5</sup> |               |
| <b>Crude Oil</b>                                  | <b>324,464</b>   | --   | --                                  | <b>137,806</b>                       | <b>-204,557</b>           | <b>-32,217</b>           | <b>-962</b>               | <b>226,328</b>                  | <b>130</b>   | <b>0</b>                       | <b>21,540</b> |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>156,533</b>   | <b>-107</b>  | <b>3,296</b>                        | <b>4,517</b>                         | <b>-142,208</b>           | --                       | <b>-173</b>               | <b>7,314</b>                    | <b>882</b>   | <b>14,008</b>                  | <b>3,460</b>  |
| Natural Gas Liquids                               | 156,533          | -107   | 3,026                               | 4,517                                | -142,208                  | --                       | -195                      | 7,314                           | 882          | 13,760                         | 3,423         |
| Ethane  | 48,653           | --   | --                                  | --                                   | -46,315                   | --                       | -3                        | --                              | --           | 2,341                          | 465           |
| Propane   | 54,187           | --   | 3,029                               | 3,964                                | -48,611                   | --                       | -88                       | --                              | 5            | 12,652                         | 1,396         |
| Normal Butane                                     | 21,283           | --   | 210                                 | 312                                  | -18,575                   | --                       | -93                       | 3,039                           | 90           | 194                            | 943           |
| Isobutane   | 9,691            | --   | -213                                | 241                                  | -10,191                   | --                       | -8                        | 2,281                           | --           | -2,745                         | 267           |
| Natural Gasoline                                  | 22,719           | -107   | --                                  | --                                   | -18,516                   | --                       | -3                        | 1,994                           | 787          | 1,318                          | 352           |
| Refinery Olefins                                  | --               | --   | 270                                 | --                                   | --                        | --                       | 22                        | --                              | --           | 248                            | 37            |
| Ethylene  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Propylene   | --               | --   | 38                                  | --                                   | --                        | --                       | 1                         | --                              | --           | 37                             | 1             |
| Butylene  | --               | --   | 235                                 | --                                   | --                        | --                       | 16                        | --                              | --           | 219                            | 31            |
| Isobutylene                                       | --               | --   | -3                                  | --                                   | --                        | --                       | 5                         | --                              | --           | -8                             | 5             |
| <b>Other Liquids</b>                              | --               | <b>5,090</b>                                       | --                                  | <b>984</b>                           | <b>5,689</b>              | <b>-9,501</b>            | <b>656</b>                | <b>-835</b>                     | <b>24</b>    | <b>2,417</b>                   | <b>9,638</b>  |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 5,090  | --                                  | 37                                   | 4,491                     | 4,443                    | 133                       | 13,912                          | 16           | 0                              | 467           |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 2,444                    | --                        | 2,444                           | --           | 0                              | --            |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 0                        | 0                         | --                              | 0            | 0                              | --            |
| Renewable Fuels (including Fuel Ethanol)          | --               | 5,090  | --                                  | 37                                   | 4,491                     | 1,998                    | 133                       | 11,468                          | 15           | 0                              | 467           |
| Fuel Ethanol                                      | --               | 5,090  | --                                  | --                                   | 4,027                     | 1,834                    | 29                        | 10,908                          | 14           | 0                              | 353           |
| Renewable Fuels Except Fuel Ethanol               | --               | 0  | --                                  | 37                                   | 464                       | 164                      | 104                       | 560                             | 2            | 0                              | 114           |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Unfinished Oils                                   | --               | --   | --                                  | 30                                   | --                        | --                       | 746                       | -3,141                          | 8            | 2,417                          | 3,497         |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 917                                  | 1,198                     | -13,943                  | -223                      | -11,606                         | 1            | 0                              | 5,674         |
| Reformulated                                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Conventional                                      | --               | --   | --                                  | 917                                  | 1,198                     | -13,943                  | -223                      | -11,606                         | 1            | 0                              | 5,674         |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| <b>Finished Petroleum Products</b>                | --               | --   | <b>239,048</b>                      | <b>1,341</b>                         | <b>-9,067</b>             | <b>12,046</b>            | <b>584</b>                | --                              | <b>303</b>   | <b>242,481</b>                 | <b>9,013</b>  |
| Finished Motor Gasoline                           | --               | --   | 113,394                             | --                                   | -7,099                    | 12,109                   | -11                       | --                              | 12           | 118,403                        | 1,650         |
| Reformulated                                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Conventional                                      | --               | --   | 113,394                             | --                                   | -7,099                    | 12,109                   | -11                       | --                              | 12           | 118,403                        | 1,650         |
| Finished Aviation Gasoline                        | --               | --   | 60                                  | 8                                    | --                        | --                       | 1                         | --                              | --           | 67                             | 10            |
| Kerosene-Type Jet Fuel                            | --               | --   | 12,590                              | 124                                  | 8,943                     | --                       | 92                        | --                              | --           | 21,565                         | 814           |
| Kerosene  | --               | --   | 2                                   | --                                   | --                        | --                       | 0                         | --                              | 1            | 1                              | 2             |
| Distillate Fuel Oil                               | --               | --   | 74,924                              | 749                                  | -191                      | -63                      | 236                       | --                              | 0            | 75,183                         | 4,444         |
| 15 ppm sulfur and under                           | --               | --   | 74,481                              | 749                                  | -151                      | -63                      | 187                       | --                              | 0            | 74,829                         | 4,157         |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 429                                 | --                                   | -40                       | --                       | 29                        | --                              | --           | 360                            | 201           |
| Greater than 500 ppm sulfur                       | --               | --   | 14                                  | --                                   | --                        | --                       | 20                        | --                              | --           | -6                             | 86            |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 4,450                               | 124                                  | --                        | --                       | 21                        | --                              | 117          | 4,436                          | 236           |
| Less than 0.31 percent sulfur                     | --               | --   | 2,446                               | --                                   | --                        | --                       | -7                        | --                              | NA           | NA                             | 25            |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 311                                 | --                                   | --                        | --                       | 4                         | --                              | NA           | NA                             | 8             |
| Greater than 1.00 percent sulfur                  | --               | --   | 1,693                               | 124                                  | --                        | --                       | 24                        | --                              | NA           | NA                             | 203           |
| Petrochemical Feedstocks                          | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Naphtha for Petro. Feed. Use                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Special Naphthas                                  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --           | --                             | --            |
| Lubricants  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 98           | -98                            | --            |
| Waxes   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 4            | -4                             | --            |
| Petroleum Coke                                    | --               | --   | 9,412                               | --                                   | -3,577                    | --                       | 111                       | --                              | 15           | 5,709                          | 194           |
| Marketable  | --               | --   | 6,618                               | --                                   | -3,577                    | --                       | 111                       | --                              | 15           | 2,915                          | 194           |
| Catalyst  | --               | --   | 2,794                               | --                                   | --                        | --                       | --                        | --                              | --           | 2,794                          | --            |
| Asphalt and Road Oil                              | --               | --   | 14,829                              | 324                                  | -7,143                    | --                       | 134                       | --                              | 53           | 7,823                          | 1,647         |
| Still Gas   | --               | --   | 8,137                               | --                                   | --                        | --                       | --                        | --                              | --           | 8,137                          | --            |
| Miscellaneous Products                            | --               | --   | 1,250                               | 12                                   | --                        | --                       | 0                         | --                              | 1            | 1,261                          | 16            |
| <b>Total</b>                                      | <b>480,997</b>   | <b>4,983</b>                                       | <b>242,344</b>                      | <b>144,648</b>                       | <b>-350,144</b>           | <b>-29,672</b>           | <b>105</b>                | <b>232,807</b>                  | <b>1,339</b> | <b>258,906</b>                 | <b>43,651</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 10. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |          |                                |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports  | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                                  | <b>889</b>       | --   | --                                  | <b>378</b>                           | <b>-560</b>               | <b>-88</b>               | <b>-3</b>                 | <b>620</b>                      | <b>0</b> | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>429</b>       | <b>0</b>   | <b>9</b>                            | <b>12</b>                            | <b>-390</b>               | --                       | <b>0</b>                  | <b>20</b>                       | <b>2</b> | <b>38</b>                      |
| Natural Gas Liquids                               | 429              | 0  | 8                                   | 12                                   | -390                      | --                       | -1                        | 20                              | 2        | 38                             |
| Ethane  | 133              | --   | --                                  | --                                   | -127                      | --                       | 0                         | --                              | --       | 6                              |
| Propane   | 148              | --   | 8                                   | 11                                   | -133                      | --                       | 0                         | --                              | 0        | 35                             |
| Normal Butane                                     | 58               | --   | 1                                   | 1                                    | -51                       | --                       | 0                         | 8                               | 0        | 1                              |
| Isobutane   | 27               | --   | -1                                  | 1                                    | -28                       | --                       | 0                         | 6                               | --       | -8                             |
| Natural Gasoline                                  | 62               | 0  | --                                  | --                                   | -51                       | --                       | 0                         | 5                               | 2        | 4                              |
| Refinery Olefins                                  | --               | --   | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 1                              |
| Ethylene  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Propylene   | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Butylene  | --               | --   | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 1                              |
| Isobutylene                                       | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| <b>Other Liquids</b>                              | --               | <b>14</b>  | --                                  | <b>3</b>                             | <b>16</b>                 | <b>-26</b>               | <b>2</b>                  | <b>-2</b>                       | <b>0</b> | <b>7</b>                       |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 14   | --                                  | 0                                    | 12                        | 12                       | 0                         | 38                              | 0        | 0                              |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 7                        | --                        | 7                               | --       | 0                              |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 0                        | 0                         | --                              | 0        | 0                              |
| Renewable Fuels (including Fuel Ethanol)          | --               | 14   | --                                  | 0                                    | 12                        | 5                        | 0                         | 31                              | 0        | 0                              |
| Fuel Ethanol                                      | --               | 14   | --                                  | --                                   | 11                        | 5                        | 0                         | 30                              | 0        | 0                              |
| Renewable Fuels Except Fuel Ethanol               | --               | 0  | --                                  | 0                                    | 1                         | 0                        | 0                         | 2                               | 0        | 0                              |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Unfinished Oils                                   | --               | --   | --                                  | 0                                    | --                        | --                       | 2                         | -9                              | 0        | 7                              |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 3                                    | 3                         | -38                      | -1                        | -32                             | 0        | 0                              |
| Reformulated                                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Conventional                                      | --               | --   | --                                  | 3                                    | 3                         | -38                      | -1                        | -32                             | 0        | 0                              |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| <b>Finished Petroleum Products</b>                | --               | --   | <b>655</b>                          | <b>4</b>                             | <b>-25</b>                | <b>33</b>                | <b>2</b>                  | --                              | <b>1</b> | <b>664</b>                     |
| Finished Motor Gasoline                           | --               | --   | 311                                 | --                                   | -19                       | 33                       | 0                         | --                              | 0        | 324                            |
| Reformulated                                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Conventional                                      | --               | --   | 311                                 | --                                   | -19                       | 33                       | 0                         | --                              | 0        | 324                            |
| Finished Aviation Gasoline                        | --               | --   | 0                                   | 0                                    | --                        | --                       | 0                         | --                              | --       | 0                              |
| Kerosene-Type Jet Fuel                            | --               | --   | 34                                  | 0                                    | 25                        | --                       | 0                         | --                              | --       | 59                             |
| Kerosene  | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | 0        | 0                              |
| Distillate Fuel Oil                               | --               | --   | 205                                 | 2                                    | -1                        | 0                        | 1                         | --                              | 0        | 206                            |
| 15 ppm sulfur and under                           | --               | --   | 204                                 | 2                                    | 0                         | 0                        | 1                         | --                              | 0        | 205                            |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 1                                   | --                                   | 0                         | --                       | 0                         | --                              | --       | 1                              |
| Greater than 500 ppm sulfur                       | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | --       | 0                              |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 12                                  | 0                                    | --                        | --                       | 0                         | --                              | 0        | 12                             |
| Less than 0.31 percent sulfur                     | --               | --   | 7                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 1                                   | --                                   | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Greater than 1.00 percent sulfur                  | --               | --   | 5                                   | 0                                    | --                        | --                       | 0                         | --                              | NA       | NA                             |
| Petrochemical Feedstocks                          | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Naphtha for Petro. Feed. Use                      | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Special Naphthas                                  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --       | --                             |
| Lubricants  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 0        | 0                              |
| Waxes   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 0        | 0                              |
| Petroleum Coke                                    | --               | --   | 26                                  | --                                   | -10                       | --                       | 0                         | --                              | 0        | 16                             |
| Marketable  | --               | --   | 18                                  | --                                   | -10                       | --                       | 0                         | --                              | 0        | 8                              |
| Catalyst  | --               | --   | 8                                   | --                                   | --                        | --                       | --                        | --                              | --       | 8                              |
| Asphalt and Road Oil                              | --               | --   | 41                                  | 1                                    | -20                       | --                       | 0                         | --                              | 0        | 21                             |
| Still Gas   | --               | --   | 22                                  | --                                   | --                        | --                       | --                        | --                              | --       | 22                             |
| Miscellaneous Products                            | --               | --   | 3                                   | 0                                    | --                        | --                       | 0                         | --                              | 0        | 3                              |
| <b>Total</b>                                      | <b>1,318</b>     | <b>14</b>  | <b>664</b>                          | <b>396</b>                           | <b>-959</b>               | <b>-81</b>               | <b>0</b>                  | <b>638</b>                      | <b>4</b> | <b>709</b>                     |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 11. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |                |                                | Ending Stocks  |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|----------------|--------------------------------|----------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports        | Products Supplied <sup>5</sup> |                |
| <b>Crude Oil</b>                                  | <b>349,105</b>   | --   | --                                  | <b>476,789</b>                       | <b>55,745</b>             | <b>19,637</b>            | <b>-9,956</b>             | <b>903,010</b>                  | <b>4,222</b>   | <b>0</b>                       | <b>45,152</b>  |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>23,100</b>    | <b>-164</b>  | <b>19,433</b>                       | <b>16,349</b>                        | <b>9,824</b>              | --                       | <b>223</b>                | <b>31,669</b>                   | <b>14,964</b>  | <b>21,686</b>                  | <b>3,551</b>   |
| Natural Gas Liquids                               | 23,100           | -164   | 16,487                              | 16,346                               | 9,824                     | --                       | 201                       | 31,669                          | 14,964         | 18,759                         | 3,501          |
| Ethane  | 10               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 9              | 1                              | --             |
| Propane   | 3,693            | --   | 13,361                              | 11,186                               | 4,038                     | --                       | -55                       | --                              | 10,276         | 22,057                         | 1,405          |
| Normal Butane                                     | 3,746            | --   | 1,288                               | 4,570                                | 4,530                     | --                       | 268                       | 11,789                          | 4,540          | -2,463                         | 1,658          |
| Isobutane   | 4,735            | --   | 1,838                               | 590                                  | 1,256                     | --                       | -12                       | 10,104                          | 5              | -1,678                         | 404            |
| Natural Gasoline                                  | 10,916           | -164   | --                                  | --                                   | --                        | --                       | 0                         | 9,776                           | 134            | 842                            | 34             |
| Refinery Olefins                                  | --               | --   | 2,946                               | 3                                    | --                        | --                       | 22                        | --                              | --             | 2,927                          | 50             |
| Ethylene  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Propylene   | --               | --   | 3,234                               | 3                                    | --                        | --                       | -15                       | --                              | --             | 3,252                          | 12             |
| Butylene  | --               | --   | -288                                | --                                   | --                        | --                       | 37                        | --                              | --             | -325                           | 38             |
| Isobutylene                                       | --               | --   | --                                  | --                                   | --                        | --                       | 0                         | --                              | --             | 0                              | 0              |
| <b>Other Liquids</b>                              | <b>--</b>        | <b>10,679</b>                                      | <b>--</b>                           | <b>43,935</b>                        | <b>115,625</b>            | <b>-22,358</b>           | <b>-3,118</b>             | <b>144,932</b>                  | <b>6,514</b>   | <b>-446</b>                    | <b>51,717</b>  |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 10,679   | --                                  | 5,807                                | 59,346                    | 6,537                    | 1,233                     | 78,713                          | 2,423          | 0                              | 4,961          |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 14,711                   | --                        | 14,711                          | --             | 0                              | --             |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 10                       | --                        | --                              | 10             | 0                              | --             |
| Renewable Fuels (including Fuel Ethanol)          | --               | 10,679   | --                                  | 5,807                                | 59,346                    | -8,184                   | 1,233                     | 64,002                          | 2,413          | 0                              | 4,961          |
| Fuel Ethanol                                      | --               | 7,348  | --                                  | 1,294                                | 54,926                    | -3,407                   | 620                       | 57,861                          | 1,680          | 0                              | 3,172          |
| Renewable Fuels Except Fuel Ethanol               | --               | 3,331  | --                                  | 4,513                                | 4,420                     | -4,777                   | 613                       | 6,141                           | 733            | 0                              | 1,789          |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Unfinished Oils                                   | --               | --   | --                                  | 31,894                               | --                        | --                       | -458                      | 31,819                          | 979            | -446                           | 19,450         |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 6,234                                | 56,279                    | -28,895                  | -3,893                    | 34,400                          | 3,111          | 0                              | 27,306         |
| Reformulated                                      | --               | --   | --                                  | 972                                  | 28,825                    | -2,667                   | -3,525                    | 30,632                          | 23             | 0                              | 12,764         |
| Conventional                                      | --               | --   | --                                  | 5,262                                | 27,454                    | -26,228                  | -368                      | 3,768                           | 3,088          | 0                              | 14,542         |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| <b>Finished Petroleum Products</b>                | <b>--</b>        | <b>--</b>  | <b>1,132,624</b>                    | <b>49,023</b>                        | <b>26,796</b>             | <b>34,389</b>            | <b>911</b>                | <b>--</b>                       | <b>129,927</b> | <b>1,111,994</b>               | <b>35,880</b>  |
| Finished Motor Gasoline                           | --               | --   | 582,435                             | 2,059                                | 5,671                     | 32,302                   | 180                       | --                              | 21,437         | 600,849                        | 2,084          |
| Reformulated                                      | --               | --   | 408,632                             | --                                   | --                        | 2,706                    | -2                        | --                              | --             | 411,340                        | 14             |
| Conventional                                      | --               | --   | 173,803                             | 2,059                                | 5,671                     | 29,596                   | 182                       | --                              | 21,437         | 189,509                        | 2,070          |
| Finished Aviation Gasoline                        | --               | --   | 541                                 | 3                                    | --                        | --                       | -15                       | --                              | --             | 559                            | 215            |
| Kerosene-Type Jet Fuel                            | --               | --   | 175,150                             | 28,284                               | 3,258                     | --                       | -322                      | --                              | 9,609          | 197,405                        | 9,921          |
| Kerosene  | --               | --   | 137                                 | --                                   | --                        | --                       | 31                        | --                              | 26             | 80                             | 73             |
| Distillate Fuel Oil                               | --               | --   | 207,831                             | 4,175                                | 11,285                    | 2,087                    | -218                      | --                              | 35,864         | 189,732                        | 13,856         |
| 15 ppm sulfur and under                           | --               | --   | 198,813                             | 3,783                                | 11,245                    | 2,087                    | -260                      | --                              | 26,133         | 190,055                        | 12,870         |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 3,656                               | --                                   | 40                        | --                       | 4                         | --                              | 2,935          | 757                            | 244            |
| Greater than 500 ppm sulfur                       | --               | --   | 5,362                               | 392                                  | --                        | --                       | 38                        | --                              | 6,796          | -1,080                         | 742            |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 41,165                              | 11,888                               | --                        | --                       | 264                       | --                              | 11,771         | 41,018                         | 4,514          |
| Less than 0.31 percent sulfur                     | --               | --   | 66                                  | --                                   | --                        | --                       | 95                        | --                              | NA             | NA                             | 262            |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 7,407                               | 2,490                                | --                        | --                       | -53                       | --                              | NA             | NA                             | 467            |
| Greater than 1.00 percent sulfur                  | --               | --   | 33,692                              | 9,398                                | --                        | --                       | 222                       | --                              | NA             | NA                             | 3,779          |
| Petrochemical Feedstocks                          | --               | --   | 29                                  | 378                                  | --                        | --                       | 3                         | --                              | --             | 404                            | 5              |
| Naphtha for Petro. Feed. Use                      | --               | --   | 29                                  | 378                                  | --                        | --                       | 3                         | --                              | --             | 404                            | 5              |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --             | --                             | --             |
| Special Naphthas                                  | --               | --   | 398                                 | --                                   | --                        | --                       | 12                        | --                              | --             | 386                            | 57             |
| Lubricants  | --               | --   | 7,456                               | 172                                  | -359                      | --                       | 254                       | --                              | 3,977          | 3,038                          | 1,269          |
| Waxes   | --               | --   | --                                  | 512                                  | --                        | --                       | --                        | --                              | 64             | 448                            | --             |
| Petroleum Coke                                    | --               | --   | 57,742                              | 325                                  | -355                      | --                       | 115                       | --                              | 46,636         | 10,961                         | 1,471          |
| Marketable  | --               | --   | 44,541                              | 325                                  | -355                      | --                       | 115                       | --                              | 46,636         | -2,240                         | 1,471          |
| Catalyst  | --               | --   | 13,201                              | --                                   | --                        | --                       | --                        | --                              | --             | 13,201                         | --             |
| Asphalt and Road Oil                              | --               | --   | 9,428                               | 1,227                                | 7,296                     | --                       | 630                       | --                              | 468            | 16,853                         | 2,316          |
| Still Gas   | --               | --   | 45,137                              | --                                   | --                        | --                       | --                        | --                              | --             | 45,137                         | --             |
| Miscellaneous Products                            | --               | --   | 5,175                               | --                                   | --                        | --                       | -23                       | --                              | 75             | 5,123                          | 99             |
| <b>Total</b>                                      | <b>372,205</b>   | <b>10,515</b>                                      | <b>1,152,057</b>                    | <b>586,096</b>                       | <b>207,990</b>            | <b>31,668</b>            | <b>-7,940</b>             | <b>1,079,611</b>                | <b>155,627</b> | <b>1,133,234</b>               | <b>136,300</b> |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> 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.

<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 12. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, 2018**  
(Thousand Barrels per Day)

| Commodity   | Supply           |  |                                     |                                      |                           |                          | Disposition               |                                 |            |                                |
|---|------------------|--|-------------------------------------|--------------------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|------------|--------------------------------|
|   | Field Production | Renewable Fuels and Oxygenate Plant Net Production | Refinery and Blender Net Production | Imports (PADD of Entry) <sup>1</sup> | Net Receipts <sup>2</sup> | Adjustments <sup>3</sup> | Stock Change <sup>4</sup> | Refinery and Blender Net Inputs | Exports    | Products Supplied <sup>5</sup> |
| <b>Crude Oil</b>                                  | <b>956</b>       | --   | --                                  | <b>1,306</b>                         | <b>153</b>                | <b>54</b>                | <b>-16</b>                | <b>2,474</b>                    | <b>12</b>  | <b>0</b>                       |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>63</b>        | <b>0</b>   | <b>53</b>                           | <b>45</b>                            | <b>27</b>                 | --                       | <b>1</b>                  | <b>87</b>                       | <b>41</b>  | <b>59</b>                      |
| Natural Gas Liquids                               | 63               | 0  | 45                                  | 45                                   | 27                        | --                       | 1                         | 87                              | 41         | 51                             |
| Ethane  | 0                | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | 0          | 0                              |
| Propane   | 10               | --   | 37                                  | 31                                   | 11                        | --                       | 0                         | --                              | 28         | 60                             |
| Normal Butane                                     | 10               | --   | 4                                   | 13                                   | 12                        | --                       | 1                         | 32                              | 12         | -7                             |
| Isobutane   | 13               | --   | 5                                   | 2                                    | 3                         | --                       | 0                         | 28                              | 0          | -5                             |
| Natural Gasoline                                  | 30               | 0  | --                                  | --                                   | --                        | --                       | 0                         | 27                              | 0          | 2                              |
| Refinery Olefins                                  | --               | --   | 8                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 8                              |
| Ethylene  | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Propylene   | --               | --   | 9                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 9                              |
| Butylene  | --               | --   | -1                                  | --                                   | --                        | --                       | 0                         | --                              | --         | -1                             |
| Isobutylene                                       | --               | --   | --                                  | --                                   | --                        | --                       | 0                         | --                              | --         | 0                              |
| <b>Other Liquids</b>                              | --               | <b>29</b>  | --                                  | <b>120</b>                           | <b>317</b>                | <b>-61</b>               | <b>-9</b>                 | <b>397</b>                      | <b>18</b>  | <b>-1</b>                      |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | --               | 29   | --                                  | 16                                   | 163                       | 18                       | 3                         | 216                             | 7          | 0                              |
| Hydrogen  | --               | --   | --                                  | --                                   | --                        | 40                       | --                        | 40                              | --         | 0                              |
| Oxygenates (excluding Fuel Ethanol)               | --               | --   | --                                  | --                                   | --                        | 0                        | --                        | --                              | 0          | 0                              |
| Renewable Fuels (including Fuel Ethanol)          | --               | 29   | --                                  | 16                                   | 163                       | -22                      | 3                         | 175                             | 7          | 0                              |
| Fuel Ethanol                                      | --               | 20   | --                                  | 4                                    | 150                       | -9                       | 2                         | 159                             | 5          | 0                              |
| Renewable Fuels Except Fuel Ethanol               | --               | 9  | --                                  | 12                                   | 12                        | -13                      | 2                         | 17                              | 2          | 0                              |
| Other Hydrocarbons                                | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Unfinished Oils                                   | --               | --   | --                                  | 87                                   | --                        | --                       | -1                        | 87                              | 3          | -1                             |
| Motor Gasoline Blend.Comp. (MGBC)                 | --               | --   | --                                  | 17                                   | 154                       | -79                      | -11                       | 94                              | 9          | 0                              |
| Reformulated                                      | --               | --   | --                                  | 3                                    | 79                        | -7                       | -10                       | 84                              | 0          | 0                              |
| Conventional                                      | --               | --   | --                                  | 14                                   | 75                        | -72                      | -1                        | 10                              | 8          | 0                              |
| Aviation Gasoline Blend. Comp.                    | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| <b>Finished Petroleum Products</b>                | --               | --   | <b>3,103</b>                        | <b>134</b>                           | <b>73</b>                 | <b>94</b>                | <b>2</b>                  | --                              | <b>356</b> | <b>3,047</b>                   |
| Finished Motor Gasoline                           | --               | --   | 1,596                               | 6                                    | 16                        | 88                       | 0                         | --                              | 59         | 1,646                          |
| Reformulated                                      | --               | --   | 1,120                               | --                                   | --                        | 7                        | 0                         | --                              | --         | 1,127                          |
| Conventional                                      | --               | --   | 476                                 | 6                                    | 16                        | 81                       | 0                         | --                              | 59         | 519                            |
| Finished Aviation Gasoline                        | --               | --   | 1                                   | 0                                    | --                        | --                       | 0                         | --                              | --         | 2                              |
| Kerosene-Type Jet Fuel                            | --               | --   | 480                                 | 77                                   | 9                         | --                       | -1                        | --                              | 26         | 541                            |
| Kerosene  | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | 0          | 0                              |
| Distillate Fuel Oil                               | --               | --   | 569                                 | 11                                   | 31                        | 6                        | -1                        | --                              | 98         | 520                            |
| 15 ppm sulfur and under                           | --               | --   | 545                                 | 10                                   | 31                        | 6                        | -1                        | --                              | 72         | 521                            |
| Greater than 15 ppm to 500 ppm sulfur             | --               | --   | 10                                  | --                                   | 0                         | --                       | 0                         | --                              | 8          | 2                              |
| Greater than 500 ppm sulfur                       | --               | --   | 15                                  | 1                                    | --                        | --                       | 0                         | --                              | 19         | -3                             |
| Residual Fuel Oil <sup>6</sup>                    | --               | --   | 113                                 | 33                                   | --                        | --                       | 1                         | --                              | 32         | 112                            |
| Less than 0.31 percent sulfur                     | --               | --   | 0                                   | --                                   | --                        | --                       | 0                         | --                              | NA         | NA                             |
| 0.31 to 1.00 percent sulfur                       | --               | --   | 20                                  | 7                                    | --                        | --                       | 0                         | --                              | NA         | NA                             |
| Greater than 1.00 percent sulfur                  | --               | --   | 92                                  | 26                                   | --                        | --                       | 1                         | --                              | NA         | NA                             |
| Petrochemical Feedstocks                          | --               | --   | 0                                   | 1                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Naphtha for Petro. Feed. Use                      | --               | --   | 0                                   | 1                                    | --                        | --                       | 0                         | --                              | --         | 1                              |
| Other Oils for Petro. Feed. Use                   | --               | --   | --                                  | --                                   | --                        | --                       | --                        | --                              | --         | --                             |
| Special Naphthas                                  | --               | --   | 1                                   | --                                   | --                        | --                       | 0                         | --                              | --         | 1                              |
| Lubricants  | --               | --   | 20                                  | 0                                    | -1                        | --                       | 1                         | --                              | 11         | 8                              |
| Waxes   | --               | --   | --                                  | 1                                    | --                        | --                       | --                        | --                              | 0          | 1                              |
| Petroleum Coke                                    | --               | --   | 158                                 | 1                                    | -1                        | --                       | 0                         | --                              | 128        | 30                             |
| Marketable  | --               | --   | 122                                 | 1                                    | -1                        | --                       | 0                         | --                              | 128        | -6                             |
| Catalyst  | --               | --   | 36                                  | --                                   | --                        | --                       | --                        | --                              | --         | 36                             |
| Asphalt and Road Oil                              | --               | --   | 26                                  | 3                                    | 20                        | --                       | 2                         | --                              | 1          | 46                             |
| Still Gas   | --               | --   | 124                                 | --                                   | --                        | --                       | --                        | --                              | --         | 124                            |
| Miscellaneous Products                            | --               | --   | 14                                  | --                                   | --                        | --                       | 0                         | --                              | 0          | 14                             |
| <b>Total</b>                                      | <b>1,020</b>     | <b>29</b>  | <b>3,156</b>                        | <b>1,606</b>                         | <b>570</b>                | <b>87</b>                | <b>-22</b>                | <b>2,958</b>                    | <b>426</b> | <b>3,105</b>                   |

-- = Not Applicable.  
- = No Data Reported.  
NA = Not Available.

<sup>1</sup> 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.  
<sup>2</sup> Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogiesel, marketable petroleum coke, and asphalt and road oil.  
<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.  
<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.  
<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.  
Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, 2018**  
(Thousand Barrels, Except Where Noted)

| Process   | PAD Districts |           |           |          |         | U.S. Total |               |
|---|---------------|-----------|-----------|----------|---------|------------|---------------|
|   | 1             | 2         | 3         | 4        | 5       | Total      | Daily Average |
| <b>Supply</b>                                     |               |           |           |          |         |            |               |
| Field Production .....                            | 20,160        | 741,560   | 2,576,232 | 324,464  | 349,105 | 4,011,521  | 10,990        |
| Alaskan .....                                     | --            | --        | --        | --       | --      | 174,800    | 479           |
| Lower 48 States .....                             | --            | --        | --        | --       | --      | 3,836,721  | 10,512        |
| Imports (PAD District of Entry) .....             | 290,776       | 1,024,551 | 905,569   | 137,806  | 476,789 | 2,835,491  | 7,768         |
| Commercial .....                                  | 290,776       | 1,024,551 | 905,569   | 137,806  | 476,789 | 2,835,491  | 7,768         |
| Strategic Petroleum Reserve (SPR) .....           | --            | --        | --        | --       | --      | --         | --            |
| Net Receipts .....                                | 62,146        | -219,035  | 305,702   | -204,557 | 55,745  | --         | --            |
| Adjustments <sup>1</sup> .....                    | 18,852        | -90,126   | 185,377   | -32,217  | 19,637  | 101,523    | 278           |
| <b>Disposition</b>                                |               |           |           |          |         |            |               |
| Stock Change <sup>2</sup> .....                   | 176           | 71        | 13,834    | -962     | -5,956  | 7,163      | 20            |
| Commercial .....                                  | --            | --        | 27,526    | --       | --      | 20,855     | 57            |
| SPR .....   | --            | --        | -13,692   | --       | --      | -13,692    | -38           |
| Refinery Inputs .....                             | 381,551       | 1,385,221 | 3,297,722 | 226,328  | 903,010 | 6,193,832  | 16,969        |
| Exports .....                                     | 10,208        | 71,657    | 661,323   | 130      | 4,222   | 747,540    | 2,048         |
| <b>Ending Stocks</b>                              |               |           |           |          |         |            |               |
| Total .....                                       | 11,655        | 132,102   | 881,191   | 21,540   | 45,152  | 1,091,640  | --            |
| Commercial .....                                  | 11,655        | 132,102   | 232,052   | 21,540   | 45,152  | 442,501    | --            |
| Refinery .....                                    | 9,464         | 13,919    | 47,492    | 2,283    | 19,263  | 92,421     | --            |
| Tank Farms and Pipelines .....                    | 2,191         | 118,183   | 184,560   | 19,257   | 22,116  | 346,307    | --            |
| Cushing, Oklahoma .....                           | --            | 41,895    | --        | --       | --      | 41,895     | --            |
| Lease .....                                       | --            | --        | --        | --       | --      | --         | --            |
| Alaskan Crude Oil In-Transit by Water .....       | --            | --        | --        | --       | 3,773   | 3,773      | --            |
| SPR .....   | --            | --        | 649,139   | --       | --      | 649,139    | --            |
| <b>SPR Stocks</b>                                 |               |           |           |          |         |            |               |
| Percent of Total Crude Oil Stocks (Percent) ..... | --            | --        | --        | --       | --      | --         | --            |
| Percent of Total Petroleum Stocks (Percent) ..... | --            | --        | --        | --       | --      | --         | --            |
| Days of Total Petroleum Net Imports (Days) .....  | --            | --        | --        | --       | --      | --         | --            |
| <b>SPR Receipts Detail</b>                        |               |           |           |          |         |            |               |
| Receipts .....                                    | --            | --        | --        | --       | --      | --         | --            |
| Domestic .....                                    | --            | --        | --        | --       | --      | --         | --            |
| Imports .....                                     | --            | --        | --        | --       | --      | --         | --            |
| Imported by SPR .....                             | --            | --        | --        | --       | --      | --         | --            |
| Imported for SPR by Others .....                  | --            | --        | --        | --       | --      | --         | --            |
| <b>Imports</b>                                    |               |           |           |          |         |            |               |
| PAD District of Entry .....                       | 290,776       | 1,024,551 | 905,569   | 137,806  | 476,789 | 2,835,491  | 7,768         |
| PAD District of Processing .....                  | 311,048       | 908,238   | 1,017,321 | 111,103  | 487,781 | 2,835,491  | 7,768         |

-- = Not Applicable.

- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).  
Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 14. Production of Crude Oil by PAD District and State, 2018**  
(Thousand Barrels)

| PAD District and State                | 2018             |               |
|---------------------------------------|------------------|---------------|
|                                       | Total            | Daily Average |
| <b>PAD District 1</b> .....           | <b>20,160</b>    | <b>55</b>     |
| Florida .....                         | 1,839            | 5             |
| New York .....                        | 221              | 1             |
| Pennsylvania .....                    | 6,478            | 18            |
| Virginia .....                        | 5                | 0             |
| West Virginia .....                   | 11,618           | 32            |
| <b>PAD District 2</b> .....           | <b>741,560</b>   | <b>2,032</b>  |
| Illinois .....                        | 8,420            | 23            |
| Indiana .....                         | 1,684            | 5             |
| Kansas .....                          | 34,714           | 95            |
| Kentucky .....                        | 2,265            | 6             |
| Michigan .....                        | 5,408            | 15            |
| Missouri .....                        | 90               | 0             |
| Nebraska .....                        | 2,056            | 6             |
| North Dakota .....                    | 461,531          | 1,264         |
| Ohio .....                            | 23,224           | 64            |
| Oklahoma .....                        | 200,685          | 550           |
| South Dakota .....                    | 1,273            | 3             |
| Tennessee .....                       | 210              | 1             |
| <b>PAD District 3</b> .....           | <b>2,576,232</b> | <b>7,058</b>  |
| Alabama .....                         | 5,884            | 16            |
| Arkansas .....                        | 5,018            | 14            |
| Louisiana .....                       | 48,841           | 134           |
| Mississippi .....                     | 16,953           | 46            |
| New Mexico .....                      | 248,958          | 682           |
| Texas .....                           | 1,609,075        | 4,408         |
| Federal Offshore PAD District 3 ..... | 641,503          | 1,758         |
| <b>PAD District 4</b> .....           | <b>324,464</b>   | <b>889</b>    |
| Colorado .....                        | 177,817          | 487           |
| Idaho .....                           | 88               | 0             |
| Montana .....                         | 21,540           | 59            |
| Utah .....                            | 37,063           | 102           |
| Wyoming .....                         | 87,955           | 241           |
| <b>PAD District 5</b> .....           | <b>349,105</b>   | <b>956</b>    |
| Alaska .....                          | 174,800          | 479           |
| South Alaska .....                    | 5,563            | 15            |
| North Slope .....                     | 169,237          | 464           |
| Arizona .....                         | 11               | 0             |
| California .....                      | 169,166          | 463           |
| Nevada .....                          | 255              | 1             |
| Federal Offshore PAD District 5 ..... | 4,874            | 13            |
| <b>U.S. Total</b> .....               | <b>4,011,521</b> | <b>10,990</b> |

– = No Data Reported.

Note: State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 14 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

**Table 15. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels)

| Commodity                            | Production                  |                   |         |                             |  |                            |         |
|--------------------------------------|-----------------------------|-------------------|---------|-----------------------------|--|----------------------------|---------|
|                                      | PAD District 1 - East Coast |                   |         | PAD District 2 - Midwest    |  |                            |         |
|                                      | East Coast                  | Appalachian No. 1 | Total   | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total   |
| <b>Hydrocarbon Gas Liquids</b> ..... | 157                         | 181,361           | 181,518 | 67,825                      | 97,104                                       | 192,827                    | 357,756 |
| Natural Gas Liquids .....            | 157                         | 181,361           | 181,518 | 67,825                      | 97,104                                       | 192,827                    | 357,756 |
| Ethane .....                         | -                           | 78,258            | 78,258  | 22,703                      | 23,357                                       | 79,785                     | 125,845 |
| Propane .....                        | 50                          | 59,405            | 59,455  | 28,344                      | 37,901                                       | 60,679                     | 126,924 |
| Normal Butane .....                  | 107                         | 17,862            | 17,969  | 5,899                       | 16,894                                       | 19,995                     | 42,788  |
| Isobutane .....                      | -                           | 8,928             | 8,928   | 5,802                       | 4,363  | 11,312                     | 21,477  |
| Natural Gasoline .....               | -                           | 16,908            | 16,908  | 5,077                       | 14,589                                       | 21,056                     | 40,722  |

| Commodity                            | Production                  |                  |                      |                           |            |         |                                 |                             |            |
|--------------------------------------|-----------------------------|------------------|----------------------|---------------------------|------------|---------|---------------------------------|-----------------------------|------------|
|                                      | PAD District 3 - Gulf Coast |                  |                      |                           |            |         | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|                                      | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total   |                                 |                             |            |
| <b>Hydrocarbon Gas Liquids</b> ..... | 649,265                     | 63,488           | 68,464               | 10,865                    | 83,824     | 875,906 | 156,533                         | 23,100                      | 1,594,813  |
| Natural Gas Liquids .....            | 649,265                     | 63,488           | 68,464               | 10,865                    | 83,824     | 875,906 | 156,533                         | 23,100                      | 1,594,813  |
| Ethane .....                         | 276,394                     | 29,564           | 27,547               | 3,971                     | 35,165     | 372,641 | 48,653                          | 10                          | 625,407    |
| Propane .....                        | 198,558                     | 18,077           | 21,896               | 2,392                     | 26,143     | 267,066 | 54,187                          | 3,693                       | 511,325    |
| Normal Butane .....                  | 67,131                      | -36,482          | 7,525                | 1,025                     | 8,093      | 47,292  | 21,283                          | 3,746                       | 133,078    |
| Isobutane .....                      | 38,722                      | 46,644           | 4,462                | 871                       | 5,606      | 96,305  | 9,691                           | 4,735                       | 141,136    |
| Natural Gasoline .....               | 68,460                      | 5,685            | 7,034                | 2,606                     | 8,817      | 92,602  | 22,719                          | 10,916                      | 183,867    |

| Commodity                            | Stocks                      |                   |       |                             |  |                            |       |
|--------------------------------------|-----------------------------|-------------------|-------|-----------------------------|--|----------------------------|-------|
|                                      | PAD District 1 - East Coast |                   |       | PAD District 2 - Midwest    |  |                            |       |
|                                      | East Coast                  | Appalachian No. 1 | Total | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total |
| <b>Hydrocarbon Gas Liquids</b> ..... | 5                           | 247               | 252   | 1,203                       | 132  | 310                        | 1,645 |
| Natural Gas Liquids .....            | 5                           | 247               | 252   | 1,203                       | 132  | 310                        | 1,645 |
| Ethane .....                         | -                           | -                 | -     | 107                         | 2  | 37                         | 146   |
| Propane .....                        | 3                           | 109               | 112   | 745                         | 49   | 104                        | 898   |
| Normal Butane .....                  | 2                           | 33                | 35    | 149                         | 26   | 40                         | 215   |
| Isobutane .....                      | -                           | 33                | 33    | 139                         | 4  | 43                         | 186   |
| Natural Gasoline .....               | -                           | 72                | 72    | 63                          | 51   | 86                         | 200   |

| Commodity                            | Stocks                      |                  |                      |                           |            |       |                                 |                             |            |
|--------------------------------------|-----------------------------|------------------|----------------------|---------------------------|------------|-------|---------------------------------|-----------------------------|------------|
|                                      | PAD District 3 - Gulf Coast |                  |                      |                           |            |       | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|                                      | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total |                                 |                             |            |
| <b>Hydrocarbon Gas Liquids</b> ..... | 120                         | 329              | 883                  | 27                        | -          | 1,359 | 160                             | 139                         | 3,555      |
| Natural Gas Liquids .....            | 120                         | 329              | 883                  | 27                        | -          | 1,359 | 160                             | 139                         | 3,555      |
| Ethane .....                         | 20                          | 87               | -                    | -                         | -          | 107   | -                               | -                           | 253        |
| Propane .....                        | 40                          | 166              | 31                   | 20                        | -          | 257   | 71                              | 12                          | 1,350      |
| Normal Butane .....                  | 9                           | 59               | 364                  | 6                         | -          | 438   | 35                              | 72                          | 795        |
| Isobutane .....                      | 17                          | 14               | 52                   | -                         | -          | 83    | 11                              | 26                          | 339        |
| Natural Gasoline .....               | 34                          | 3                | 436                  | 1                         | -          | 474   | 43                              | 29                          | 818        |

- = No Data Reported.  
Note: Refer to Appendix A for Refining District descriptions.  
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels)

| Commodity   | PAD District 1 - East Coast |                   |                  | PAD District 2 - Midwest    |  |                            |                  |
|---|-----------------------------|-------------------|------------------|-----------------------------|--|----------------------------|------------------|
|   | East Coast                  | Appalachian No. 1 | Total            | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total            |
| <b>Crude Oil</b> .....                                      | <b>348,418</b>              | <b>33,133</b>     | <b>381,551</b>   | <b>891,941</b>              | <b>185,367</b>                               | <b>307,913</b>             | <b>1,385,221</b> |
| <b>Hydrocarbon Gas Liquids</b> .....                        | <b>16,263</b>               | <b>38</b>         | <b>16,301</b>    | <b>24,588</b>               | <b>1,076</b>                                 | <b>13,322</b>              | <b>38,986</b>    |
| Natural Gas Liquids .....                                   | 16,263                      | 38                | 16,301           | 24,588                      | 1,076  | 13,322                     | 38,986           |
| Normal Butane .....   | 10,039                      | 38                | 10,077           | 5,851                       | 403  | 2,973                      | 9,227            |
| Isobutane .....   | 4,735                       | -                 | 4,735            | 13,133                      | 561  | 5,050                      | 18,744           |
| Natural Gasoline .....                                      | 1,489                       | -                 | 1,489            | 5,604                       | 112  | 5,299                      | 11,015           |
| <b>Other Liquids</b> .....                                  | <b>920,789</b>              | <b>75,948</b>     | <b>996,737</b>   | <b>135,507</b>              | <b>35,529</b>                                | <b>33,440</b>              | <b>204,476</b>   |
| Hydrogen/Oxygenates/Renewables/<br>Other Hydrocarbons ..... | 118,077                     | 9,452             | 127,529          | 70,465                      | 18,231                                       | 22,067                     | 110,763          |
| Hydrogen .....  | 1,124                       | 140               | 1,264            | 8,128                       | 3,325  | 2,165                      | 13,618           |
| Oxygenates (excluding Fuel Ethanol) .....                   | -                           | -                 | -                | -                           | -  | -                          | -                |
| Methyl Tertiary Butyl Ether (MTBE) .....                    | -                           | -                 | -                | -                           | -  | -                          | -                |
| All Other Oxygenates <sup>1</sup> .....                     | -                           | -                 | -                | -                           | -  | -                          | -                |
| Renewable Fuels (including Fuel Ethanol) .....              | 116,953                     | 9,312             | 126,265          | 61,943                      | 14,906                                       | 19,902                     | 96,751           |
| Fuel Ethanol .....  | 113,916                     | 8,635             | 122,551          | 58,581                      | 13,084                                       | 19,150                     | 90,815           |
| Renewable Diesel Fuel <sup>2</sup> .....                    | 3,037                       | 677               | 3,714            | 3,362                       | 1,822  | 752                        | 5,936            |
| Other Renewable Fuels .....                                 | -                           | -                 | -                | -                           | -  | -                          | -                |
| Other Hydrocarbons .....                                    | -                           | -                 | -                | 394                         | -  | -                          | 394              |
| Unfinished Oils (net) .....                                 | 16,451                      | -610              | 15,841           | 3,671                       | -3,081                                       | -348                       | 242              |
| Naphthas and Lighter .....                                  | 8,442                       | -289              | 8,153            | 5,465                       | -1,598                                       | 445                        | 4,312            |
| Kerosene and Light Gas Oils .....                           | 1,650                       | -                 | 1,650            | -640                        | -1,362                                       | 343                        | -1,659           |
| Heavy Gas Oils .....  | 5,106                       | -299              | 4,807            | 3,221                       | -135   | 60                         | 3,146            |
| Residuum .....  | 1,253                       | -22               | 1,231            | -4,375                      | 14   | -1,196                     | -5,557           |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....                | 786,261                     | 67,106            | 853,367          | 61,371                      | 20,379                                       | 11,721                     | 93,471           |
| Reformulated - RBOB .....                                   | 188,947                     | 1,751             | 190,698          | -13,090                     | 14,633                                       | 13,022                     | 14,565           |
| Conventional .....  | 597,314                     | 65,355            | 662,669          | 74,461                      | 5,746  | -1,301                     | 78,906           |
| CBOB .....  | 485,645                     | 65,252            | 550,897          | 78,133                      | 6,253  | -836                       | 83,550           |
| GTAB .....  | 44,298                      | -                 | 44,298           | -                           | -  | -                          | -                |
| Other .....   | 67,371                      | 103               | 67,474           | -3,672                      | -507   | -465                       | -4,644           |
| Aviation Gasoline Blend. Comp. (net) .....                  | -                           | -                 | -                | -                           | -  | -                          | -                |
| <b>Total Input</b> .....                                    | <b>1,285,470</b>            | <b>109,119</b>    | <b>1,394,589</b> | <b>1,052,036</b>            | <b>221,972</b>                               | <b>354,675</b>             | <b>1,628,683</b> |

See footnotes at end of table.

**Table 16. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity   | PAD District 3 - Gulf Coast |                  |                      |                           |               |                  | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total       |
|---|-----------------------------|------------------|----------------------|---------------------------|---------------|------------------|---------------------------------|-----------------------------|------------------|
|   | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total            |                                 |                             |                  |
| <b>Crude Oil</b> .....                                      | <b>244,843</b>              | <b>1,684,119</b> | <b>1,236,992</b>     | <b>82,252</b>             | <b>49,516</b> | <b>3,297,722</b> | <b>226,328</b>                  | <b>903,010</b>              | <b>6,193,832</b> |
| <b>Hydrocarbon Gas Liquids</b> .....                        | <b>6,094</b>                | <b>56,300</b>    | <b>50,229</b>        | <b>810</b>                | <b>2,005</b>  | <b>115,438</b>   | <b>7,314</b>                    | <b>31,669</b>               | <b>209,708</b>   |
| Natural Gas Liquids .....                                   | 6,094                       | 56,300           | 50,229               | 810                       | 2,005         | 115,438          | 7,314                           | 31,669                      | 209,708          |
| Normal Butane .....   | 3,027                       | 17,531           | 14,366               | 354                       | 7             | 35,285           | 3,039                           | 11,789                      | 69,417           |
| Isobutane .....   | 1,300                       | 21,259           | 19,037               | 422                       | 1,985         | 44,003           | 2,281                           | 10,104                      | 79,867           |
| Natural Gasoline .....                                      | 1,767                       | 17,510           | 16,826               | 34                        | 13            | 36,150           | 1,994                           | 9,776                       | 60,424           |
| <b>Other Liquids</b> .....                                  | <b>110,420</b>              | <b>-488,037</b>  | <b>-319,323</b>      | <b>88,826</b>             | <b>-3,247</b> | <b>-611,361</b>  | <b>-835</b>                     | <b>144,932</b>              | <b>733,949</b>   |
| Hydrogen/Oxygenates/Renewables/<br>Other Hydrocarbons ..... | 25,925                      | 38,294           | 26,537               | 13,759                    | 2,901         | 107,416          | 13,912                          | 78,713                      | 438,333          |
| Hydrogen .....  | 288                         | 27,253           | 19,748               | 973                       | 548           | 48,810           | 2,444                           | 14,711                      | 80,847           |
| Oxygenates (excluding Fuel Ethanol) .....                   | -                           | -                | -                    | -                         | -             | -                | -                               | -                           | -                |
| Methyl Tertiary Butyl Ether (MTBE) .....                    | -                           | -                | -                    | -                         | -             | -                | -                               | -                           | -                |
| All Other Oxygenates <sup>1</sup> .....                     | -                           | -                | -                    | -                         | -             | -                | -                               | -                           | -                |
| Renewable Fuels (including Fuel Ethanol) .....              | 25,637                      | 11,041           | 6,789                | 12,786                    | 2,353         | 58,606           | 11,468                          | 64,002                      | 357,092          |
| Fuel Ethanol .....  | 24,245                      | 10,031           | 5,676                | 12,089                    | 2,029         | 54,070           | 10,908                          | 57,861                      | 336,205          |
| Renewable Diesel Fuel <sup>2</sup> .....                    | 1,392                       | 1,010            | 1,113                | 697                       | 324           | 4,536            | 560                             | 6,106                       | 20,852           |
| Other Renewable Fuels .....                                 | -                           | -                | -                    | -                         | -             | -                | -                               | 35                          | 35               |
| Other Hydrocarbons .....                                    | -                           | -                | -                    | -                         | -             | -                | -                               | -                           | 394              |
| Unfinished Oils (net) .....                                 | -1,540                      | -34,292          | 115,595              | -1,996                    | -544          | 77,223           | -3,141                          | 31,819                      | 121,984          |
| Naphthas and Lighter .....                                  | -1,104                      | -75,182          | 725                  | -557                      | -227          | -76,345          | -768                            | 564                         | -64,084          |
| Kerosene and Light Gas Oils .....                           | 663                         | -13,948          | 9,491                | -289                      | -67           | -4,150           | -3,086                          | 393                         | -6,852           |
| Heavy Gas Oils .....  | -591                        | 55,669           | 93,856               | -476                      | -254          | 148,204          | 988                             | 26,250                      | 183,395          |
| Residuum .....  | -508                        | -831             | 11,523               | -674                      | 4             | 9,514            | -275                            | 4,612                       | 9,525            |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....                | 85,747                      | -492,039         | -461,459             | 77,063                    | -5,604        | -796,292         | -11,606                         | 34,400                      | 173,340          |
| Reformulated - RBOB .....                                   | 67,013                      | -119,192         | -48,707              | -                         | -8,267        | -109,153         | -                               | 30,632                      | 126,742          |
| Conventional .....  | 18,734                      | -372,847         | -412,752             | 77,063                    | 2,663         | -687,139         | -11,606                         | 3,768                       | 46,598           |
| CBOB .....  | 20,006                      | -403,997         | -397,863             | 76,941                    | 2,686         | -702,227         | -12,414                         | 2,007                       | -78,187          |
| GTAB .....  | -                           | -                | -                    | -                         | -             | -                | -                               | -                           | 44,298           |
| Other .....   | -1,272                      | 31,150           | -14,889              | 122                       | -23           | 15,088           | 808                             | 1,761                       | 80,487           |
| Aviation Gasoline Blend. Comp. (net) .....                  | 288                         | -                | 4                    | -                         | -             | 292              | -                               | -                           | 292              |
| <b>Total Input</b> .....                                    | <b>361,357</b>              | <b>1,252,382</b> | <b>967,898</b>       | <b>171,888</b>            | <b>48,274</b> | <b>2,801,799</b> | <b>232,807</b>                  | <b>1,079,611</b>            | <b>7,137,489</b> |

- = No Data Reported.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels)

| Commodity  | PAD District 1 - East Coast |                   |                  | PAD District 2 - Midwest    |  |                            |                  |
|--|-----------------------------|-------------------|------------------|-----------------------------|--|----------------------------|------------------|
|  | East Coast                  | Appalachian No. 1 | Total            | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total            |
| Hydrocarbon Gas Liquids .....                    | 12,966                      | 192               | 13,158           | 31,297                      | 2,928  | 4,053                      | 38,278           |
| Natural Gas Liquids .....                        | 8,750                       | 192               | 8,942            | 19,747                      | 1,169  | 1,147                      | 22,063           |
| Ethane .....                                     | -                           | -                 | -                | -                           | -  | -                          | -                |
| Propane .....                                    | 7,458                       | 263               | 7,721            | 18,523                      | 3,253  | 4,990                      | 26,766           |
| Normal Butane .....                              | 1,485                       | 84                | 1,569            | 1,916                       | -1,769                                       | -3,270                     | -3,123           |
| Isobutane .....                                  | -193                        | -155              | -348             | -692                        | -315   | -573                       | -1,580           |
| Natural Gasoline .....                           | -                           | -                 | -                | -                           | -  | -                          | -                |
| Refinery Olefins .....                           | 4,216                       | -                 | 4,216            | 11,550                      | 1,759  | 2,906                      | 16,215           |
| Ethylene .....                                   | 83                          | -                 | 83               | -                           | -  | -                          | -                |
| Propylene .....                                  | 4,287                       | -                 | 4,287            | 10,851                      | 1,764  | 2,929                      | 15,544           |
| Butylene .....                                   | -462                        | -                 | -462             | 699                         | -5   | 4                          | 698              |
| Isobutylene .....                                | 308                         | -                 | 308              | -                           | -  | -27                        | -27              |
| Finished Motor Gasoline .....                    | 1,091,185                   | 87,947            | 1,179,132        | 620,071                     | 127,685                                      | 199,956                    | 947,712          |
| Reformulated .....                               | 473,119                     | 1,940             | 475,059          | 99,109                      | 18,615                                       | 15,182                     | 132,906          |
| Reformulated Blended with Fuel Ethanol .....     | 473,119                     | 1,940             | 475,059          | 99,109                      | 18,615                                       | 15,182                     | 132,906          |
| Reformulated Other .....                         | -                           | -                 | -                | -                           | -  | -                          | -                |
| Conventional .....                               | 618,066                     | 86,007            | 704,073          | 520,962                     | 109,070                                      | 184,774                    | 814,806          |
| Conventional Blended with Fuel Ethanol .....     | 655,562                     | 84,218            | 739,780          | 480,305                     | 113,346                                      | 170,634                    | 764,285          |
| Ed55 and Lower .....                             | 654,996                     | 84,218            | 739,214          | 480,162                     | 112,998                                      | 169,773                    | 762,933          |
| Greater than Ed55 .....                          | 566                         | -                 | 566              | 143                         | 348  | 861                        | 1,352            |
| Conventional Other .....                         | -37,496                     | 1,789             | -35,707          | 40,657                      | -4,276                                       | 14,140                     | 50,521           |
| Finished Aviation Gasoline .....                 | -                           | -                 | -                | -                           | 456  | -                          | 456              |
| Kerosene-Type Jet Fuel .....                     | 32,489                      | 20                | 32,509           | 74,161                      | 10,852                                       | 10,695                     | 95,708           |
| Kerosene .....                                   | 1,278                       | 10                | 1,288            | 1,251                       | 0  | 257                        | 1,508            |
| Distillate Fuel Oil .....                        | 111,060                     | 9,436             | 120,496          | 234,285                     | 58,599                                       | 121,527                    | 414,411          |
| 15 ppm sulfur and under .....                    | 101,748                     | 8,250             | 109,998          | 234,879                     | 58,280                                       | 121,752                    | 414,911          |
| Greater than 15 ppm to 500 ppm sulfur .....      | 4,653                       | 904               | 5,557            | -302                        | 259  | 1,111                      | 1,068            |
| Greater than 500 ppm sulfur .....                | 4,659                       | 282               | 4,941            | -292                        | 60   | -1,336                     | -1,568           |
| Residual Fuel Oil .....                          | 17,275                      | 17                | 17,292           | 13,889                      | 2,399  | 1,308                      | 17,596           |
| Less than 0.31 percent sulfur .....              | 4,923                       | 15                | 4,938            | 538                         | -  | 1                          | 539              |
| 0.31 to 1.00 percent sulfur .....                | 5,218                       | 2                 | 5,220            | 1,713                       | 817  | -                          | 2,530            |
| Greater than 1.00 percent sulfur .....           | 7,134                       | -                 | 7,134            | 11,638                      | 1,582  | 1,307                      | 14,527           |
| Petrochemical Feedstocks .....                   | 1,105                       | -                 | 1,105            | 10,806                      | -  | 406                        | 11,212           |
| Naphtha for Petro. Feed. Use .....               | 1,105                       | -                 | 1,105            | 7,640                       | -  | -                          | 7,640            |
| Other Oils for Petro. Feed. Use .....            | -                           | -                 | -                | 3,166                       | -  | 406                        | 3,572            |
| Special Naphthas .....                           | -                           | 245               | 245              | 511                         | -  | 170                        | 681              |
| Lubricants .....                                 | 2,566                       | 2,281             | 4,847            | -                           | -  | 2,399                      | 2,399            |
| Waxes .....                                      | -                           | 199               | 199              | -                           | -  | 354                        | 354              |
| Petroleum Coke .....                             | 12,244                      | 214               | 12,458           | 46,934                      | 10,733                                       | 10,884                     | 68,551           |
| Marketable .....                                 | 4,746                       | -                 | 4,746            | 33,803                      | 8,728  | 8,386                      | 50,917           |
| Catalyst .....                                   | 7,498                       | 214               | 7,712            | 13,131                      | 2,005  | 2,498                      | 17,634           |
| Asphalt and Road Oil .....                       | 5,452                       | 7,057             | 12,509           | 35,801                      | 14,810                                       | 4,239                      | 54,850           |
| Still Gas .....                                  | 15,220                      | 604               | 15,824           | 33,050                      | 7,460  | 12,385                     | 52,895           |
| Miscellaneous Products .....                     | 858                         | 305               | 1,163            | 3,658                       | 1,384  | 646                        | 5,688            |
| <b>Total .....</b>                               | <b>1,303,698</b>            | <b>108,527</b>    | <b>1,412,225</b> | <b>1,105,714</b>            | <b>237,306</b>                               | <b>369,279</b>             | <b>1,712,299</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -18,228                     | 592               | -17,636          | -53,678                     | -15,334                                      | -14,604                    | -83,616          |

See footnotes at end of table.

**Table 17. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity  | PAD District 3 - Gulf Coast |                  |                      |                           |               |                  | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total       |
|--|-----------------------------|------------------|----------------------|---------------------------|---------------|------------------|---------------------------------|-----------------------------|------------------|
|  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total            |                                 |                             |                  |
| Hydrocarbon Gas Liquids .....                    | 7,947                       | 79,439           | 69,114               | 359                       | 511           | 157,370          | 3,296                           | 19,433                      | 231,535          |
| Natural Gas Liquids .....                        | 3,002                       | 37,641           | 32,140               | 32                        | 511           | 73,326           | 3,026                           | 16,487                      | 123,844          |
| Ethane .....                                     | 16                          | 1,645            | 499                  | —                         | —             | 2,160            | —                               | —                           | 2,160            |
| Propane .....                                    | 3,687                       | 27,679           | 27,021               | 153                       | 576           | 59,116           | 3,029                           | 13,361                      | 109,993          |
| Normal Butane .....                              | 967                         | 13,589           | 2,322                | -121                      | -70           | 16,687           | 210                             | 1,288                       | 16,631           |
| Isobutane .....                                  | -1,668                      | -5,272           | 2,298                | —                         | 5             | -4,637           | -213                            | 1,838                       | -4,940           |
| Natural Gasoline .....                           | —                           | —                | —                    | —                         | —             | —                | —                               | —                           | —                |
| Refinery Olefins .....                           | 4,945                       | 41,798           | 36,974               | 327                       | —             | 84,044           | 270                             | 2,946                       | 107,691          |
| Ethylene .....                                   | —                           | 7                | —                    | —                         | —             | 7                | —                               | —                           | 90               |
| Propylene .....                                  | 4,926                       | 42,251           | 36,279               | 327                       | —             | 83,783           | 38                              | 3,234                       | 106,886          |
| Butylene .....                                   | 19                          | -95              | 695                  | —                         | —             | 619              | 235                             | -288                        | 802              |
| Isobutylene .....                                | —                           | -365             | —                    | —                         | —             | -365             | -3                              | —                           | -87              |
| Finished Motor Gasoline .....                    | 249,636                     | 286,766          | 176,715              | 112,289                   | 24,054        | 849,460          | 113,394                         | 582,435                     | 3,672,133        |
| Reformulated .....                               | 91,770                      | 78,310           | —                    | —                         | —             | 170,080          | —                               | 408,632                     | 1,186,677        |
| Reformulated Blended with Fuel Ethanol .....     | 91,770                      | 78,310           | —                    | —                         | —             | 170,080          | —                               | 408,632                     | 1,186,677        |
| Reformulated Other .....                         | —                           | —                | —                    | —                         | —             | —                | —                               | —                           | —                |
| Conventional .....                               | 157,866                     | 208,456          | 176,715              | 112,289                   | 24,054        | 679,380          | 113,394                         | 173,803                     | 2,485,456        |
| Conventional Blended with Fuel Ethanol .....     | 147,008                     | 20,081           | 56,383               | 119,996                   | 20,264        | 363,732          | 108,516                         | 167,484                     | 2,143,797        |
| Ed55 and Lower .....                             | 146,792                     | 20,081           | 56,383               | 119,826                   | 20,264        | 363,346          | 108,354                         | 167,444                     | 2,141,291        |
| Greater than Ed55 .....                          | 216                         | —                | —                    | 170                       | —             | 386              | 162                             | 40                          | 2,506            |
| Conventional Other .....                         | 10,858                      | 188,375          | 120,332              | -7,707                    | 3,790         | 315,648          | 4,878                           | 6,319                       | 341,659          |
| Finished Aviation Gasoline .....                 | 936                         | 1,039            | 1,247                | —                         | —             | 3,222            | 60                              | 541                         | 4,279            |
| Kerosene-Type Jet Fuel .....                     | 17,464                      | 174,654          | 149,691              | 1,567                     | —             | 343,376          | 12,590                          | 175,150                     | 659,333          |
| Kerosene .....                                   | 37                          | 151              | 89                   | 183                       | —             | 460              | 2                               | 137                         | 3,395            |
| Distillate Fuel Oil .....                        | 73,434                      | 523,256          | 420,956              | 30,050                    | 20,983        | 1,068,679        | 74,924                          | 207,831                     | 1,886,341        |
| 15 ppm sulfur and under .....                    | 73,494                      | 498,429          | 350,527              | 28,372                    | 20,983        | 971,805          | 74,481                          | 198,813                     | 1,770,008        |
| Greater than 15 ppm to 500 ppm sulfur .....      | -60                         | 3,217            | 26,046               | 749                       | —             | 29,952           | 429                             | 3,656                       | 40,662           |
| Greater than 500 ppm sulfur .....                | —                           | 21,610           | 44,383               | 929                       | —             | 66,922           | 14                              | 5,362                       | 75,671           |
| Residual Fuel Oil .....                          | 3,583                       | 22,122           | 48,158               | -516                      | 1,096         | 74,443           | 4,450                           | 41,165                      | 154,946          |
| Less than 0.31 percent sulfur .....              | 2,534                       | 558              | 11,092               | —                         | —             | 14,184           | 2,446                           | 66                          | 22,173           |
| 0.31 to 1.00 percent sulfur .....                | —                           | 1,596            | 5,877                | -516                      | 242           | 7,199            | 311                             | 7,407                       | 22,667           |
| Greater than 1.00 percent sulfur .....           | 1,049                       | 19,968           | 31,189               | —                         | 854           | 53,060           | 1,693                           | 33,692                      | 110,106          |
| Petrochemical Feedstocks .....                   | 1,513                       | 67,623           | 37,352               | 68                        | —             | 106,556          | —                               | 29                          | 118,902          |
| Naphtha for Petro. Feed. Use .....               | 1,391                       | 48,680           | 20,379               | 68                        | —             | 70,518           | —                               | 29                          | 79,292           |
| Other Oils for Petro. Feed. Use .....            | 122                         | 18,943           | 16,973               | —                         | —             | 36,038           | —                               | —                           | 39,610           |
| Special Naphthas .....                           | 972                         | 8,252            | —                    | 2,573                     | —             | 11,797           | —                               | 398                         | 13,121           |
| Lubricants .....                                 | 253                         | 21,652           | 20,694               | 9,999                     | —             | 52,598           | —                               | 7,456                       | 67,300           |
| Waxes .....                                      | —                           | 546              | 337                  | 238                       | —             | 1,121            | —                               | —                           | 1,674            |
| Petroleum Coke .....                             | 4,920                       | 102,374          | 71,197               | 1,769                     | 542           | 180,802          | 9,412                           | 57,742                      | 328,965          |
| Marketable .....                                 | 2,030                       | 78,705           | 55,219               | 1,616                     | —             | 137,570          | 6,618                           | 44,541                      | 244,392          |
| Catalyst .....                                   | 2,890                       | 23,669           | 15,978               | 153                       | 542           | 43,232           | 2,794                           | 13,201                      | 84,573           |
| Asphalt and Road Oil .....                       | 2,641                       | 5,006            | 9,706                | 10,358                    | 820           | 28,531           | 14,829                          | 9,428                       | 120,147          |
| Still Gas .....                                  | 8,766                       | 70,761           | 51,692               | 2,294                     | 921           | 134,434          | 8,137                           | 45,137                      | 256,427          |
| Miscellaneous Products .....                     | 1,410                       | 11,985           | 7,017                | 219                       | 497           | 21,128           | 1,250                           | 5,175                       | 34,404           |
| <b>Total .....</b>                               | <b>373,512</b>              | <b>1,375,626</b> | <b>1,063,965</b>     | <b>171,450</b>            | <b>49,424</b> | <b>3,033,977</b> | <b>242,344</b>                  | <b>1,152,057</b>            | <b>7,552,902</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -12,155                     | -123,244         | -96,067              | 438                       | -1,150        | -232,178         | -9,537                          | -72,446                     | -415,413         |

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels, Except Where Noted)

| Commodity   | PAD District 1 - East Coast |                   |                 | PAD District 2 - Midwest    |  |                            |                  |
|---|-----------------------------|-------------------|-----------------|-----------------------------|--|----------------------------|------------------|
|   | East Coast                  | Appalachian No. 1 | Total           | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total            |
| <b>Crude Oil</b> .....                                      | <b>348,418</b>              | <b>33,133</b>     | <b>381,551</b>  | <b>891,941</b>              | <b>185,367</b>                               | <b>307,913</b>             | <b>1,385,221</b> |
| <b>Hydrocarbon Gas Liquids</b> .....                        | <b>8,858</b>                | <b>-</b>          | <b>8,858</b>    | <b>23,507</b>               | <b>561</b>                                   | <b>9,999</b>               | <b>34,067</b>    |
| Natural Gas Liquids .....                                   | 8,858                       | -                 | 8,858           | 23,507                      | 561  | 9,999                      | 34,067           |
| Normal Butane .....   | 4,123                       | -                 | 4,123           | 4,778                       | -  | 380                        | 5,158            |
| Isobutane .....   | 4,735                       | -                 | 4,735           | 13,133                      | 561  | 5,050                      | 18,744           |
| Natural Gasoline .....                                      | -                           | -                 | -               | 5,596                       | -  | 4,569                      | 10,165           |
| <b>Other Liquids</b> .....                                  | <b>-156,239</b>             | <b>1,142</b>      | <b>-155,097</b> | <b>-407,421</b>             | <b>-72,136</b>                               | <b>-132,333</b>            | <b>-611,890</b>  |
| Hydrogen/Oxygenates/Renewables/<br>Other Hydrocarbons ..... | 1,973                       | 1,548             | 3,521           | 11,606                      | 5,224  | 3,659                      | 20,489           |
| Hydrogen .....  | 1,124                       | 140               | 1,264           | 8,128                       | 3,325  | 2,165                      | 13,618           |
| Oxygenates (excluding Fuel Ethanol) .....                   | -                           | -                 | -               | -                           | -  | -                          | -                |
| Methyl Tertiary Butyl Ether (MTBE) .....                    | -                           | -                 | -               | -                           | -  | -                          | -                |
| All Other Oxygenates <sup>1</sup> .....                     | -                           | -                 | -               | -                           | -  | -                          | -                |
| Renewable Fuels (including Fuel Ethanol) .....              | 849                         | 1,408             | 2,257           | 3,084                       | 1,899  | 1,494                      | 6,477            |
| Fuel Ethanol .....  | 849                         | 1,159             | 2,008           | 1,926                       | 1,288  | 1,329                      | 4,543            |
| Renewable Diesel Fuel <sup>2</sup> .....                    | -                           | 249               | 249             | 1,158                       | 611  | 165                        | 1,934            |
| Other Renewable Fuels .....                                 | -                           | -                 | -               | -                           | -  | -                          | -                |
| Other Hydrocarbons .....                                    | -                           | -                 | -               | 394                         | -  | -                          | 394              |
| Unfinished Oils (net) .....                                 | 16,444                      | -610              | 15,834          | 2,845                       | -3,081                                       | -348                       | -584             |
| Naphthas and Lighter .....                                  | 8,442                       | -289              | 8,153           | 5,465                       | -1,598                                       | 445                        | 4,312            |
| Kerosene and Light Gas Oils .....                           | 1,650                       | -                 | 1,650           | -640                        | -1,362                                       | 343                        | -1,659           |
| Heavy Gas Oils .....  | 5,099                       | -299              | 4,800           | 3,221                       | -135   | 60                         | 3,146            |
| Residuum .....  | 1,253                       | -22               | 1,231           | -5,201                      | 14   | -1,196                     | -6,383           |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....                | -174,656                    | 204               | -174,452        | -421,872                    | -74,279                                      | -135,644                   | -631,795         |
| Reformulated - RBOB .....                                   | -110,042                    | -                 | -110,042        | -99,542                     | -2,123                                       | -612                       | -102,277         |
| Conventional .....  | -64,614                     | 204               | -64,410         | -322,330                    | -72,156                                      | -135,032                   | -529,518         |
| CBOB .....  | -61,797                     | 101               | -61,696         | -318,213                    | -71,649                                      | -134,564                   | -524,426         |
| GTAB .....  | -                           | -                 | -               | -                           | -  | -                          | -                |
| Other .....   | -2,817                      | 103               | -2,714          | -4,117                      | -507   | -468                       | -5,092           |
| Aviation Gasoline Blend. Comp. (net) .....                  | -                           | -                 | -               | -                           | -  | -                          | -                |
| <b>Total Input to Refineries</b> .....                      | <b>201,037</b>              | <b>34,275</b>     | <b>235,312</b>  | <b>508,027</b>              | <b>113,792</b>                               | <b>185,579</b>             | <b>807,398</b>   |
| <b>Atmospheric Crude Oil Distillation</b>                   |                             |                   |                 |                             |  |                            |                  |
| Gross Input (daily average) .....                           | 956                         | 92                | 1,048           | 2,421                       | 508  | 845                        | 3,774            |
| Operable Capacity (daily average) .....                     | 1,125                       | 98                | 1,224           | 2,640                       | 540  | 912                        | 4,093            |
| Operable Utilization Rate (percent) <sup>3</sup> .....      | 85.0                        | 93.6              | 85.7            | 91.7                        | 94.1   | 92.6                       | 92.2             |
| <b>Downstream Processing</b>                                |                             |                   |                 |                             |  |                            |                  |
| <b>Fresh Feed Input (daily average)</b>                     |                             |                   |                 |                             |  |                            |                  |
| Catalytic Reforming .....                                   | 170                         | 16                | 186             | 452                         | 72   | 158                        | 682              |
| Catalytic Cracking .....                                    | 353                         | 15                | 368             | 748                         | 145  | 211                        | 1,104            |
| Catalytic Hydrocracking .....                               | 32                          | -                 | 32              | 184                         | 58   | 60                         | 302              |
| Delayed and Fluid Coking .....                              | 57                          | -                 | 57              | 328                         | 67   | 87                         | 483              |
| <b>Crude Oil Qualities</b>                                  |                             |                   |                 |                             |  |                            |                  |
| Sulfur Content, Weighted Average (percent) .....            | 0.84                        | 1.60              | 0.91            | 1.59                        | 1.90   | 0.77                       | 1.45             |
| API Gravity, Weighted Average (degrees) .....               | 35.01                       | 32.58             | 34.80           | 32.55                       | 27.96  | 37.76                      | 33.04            |
| <b>Operable Capacity (daily average)</b> .....              | <b>1,125</b>                | <b>98</b>         | <b>1,224</b>    | <b>2,640</b>                | <b>540</b>                                   | <b>912</b>                 | <b>4,093</b>     |
| Operating .....   | 1,109                       | 98                | 1,207           | 2,614                       | 514  | 891                        | 4,019            |
| Idle .....  | 16                          | -                 | 16              | 27                          | 26   | 21                         | 73               |
| <b>Alaskan Crude Oil Receipts</b> .....                     | <b>-</b>                    | <b>-</b>          | <b>-</b>        | <b>-</b>                    | <b>-</b>                                     | <b>-</b>                   | <b>-</b>         |

See footnotes at end of table.

**Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels, Except Where Noted) — Continued

| Commodity   | PAD District 3 - Gulf Coast |                  |                      |                           |                |                   | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total        |
|---|-----------------------------|------------------|----------------------|---------------------------|----------------|-------------------|---------------------------------|-----------------------------|-------------------|
|   | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico     | Total             |                                 |                             |                   |
| <b>Crude Oil</b> .....                                      | <b>244,843</b>              | <b>1,684,119</b> | <b>1,236,992</b>     | <b>82,252</b>             | <b>49,516</b>  | <b>3,297,722</b>  | <b>226,328</b>                  | <b>903,010</b>              | <b>6,193,832</b>  |
| <b>Hydrocarbon Gas Liquids</b> .....                        | <b>5,719</b>                | <b>47,411</b>    | <b>48,928</b>        | <b>456</b>                | <b>2,005</b>   | <b>104,519</b>    | <b>6,488</b>                    | <b>31,286</b>               | <b>185,218</b>    |
| Natural Gas Liquids .....                                   | 5,719                       | 47,411           | 48,928               | 456                       | 2,005          | 104,519           | 6,488                           | 31,286                      | 185,218           |
| Normal Butane .....   | 2,759                       | 14,507           | 13,065               | —                         | 7              | 30,338            | 2,517                           | 11,406                      | 53,542            |
| Isobutane .....   | 1,300                       | 21,259           | 19,037               | 422                       | 1,985          | 44,003            | 2,247                           | 10,104                      | 79,833            |
| Natural Gasoline .....                                      | 1,660                       | 11,645           | 16,826               | 34                        | 13             | 30,178            | 1,724                           | 9,776                       | 51,843            |
| <b>Other Liquids</b> .....                                  | <b>-101,322</b>             | <b>-621,943</b>  | <b>-352,016</b>      | <b>-19,275</b>            | <b>-16,803</b> | <b>-1,111,359</b> | <b>-57,901</b>                  | <b>-403,032</b>             | <b>-2,339,279</b> |
| Hydrogen/Oxygenates/Renewables/<br>Other Hydrocarbons ..... | 3,486                       | 28,013           | 23,021               | 1,648                     | 1,335          | 57,503            | 6,238                           | 18,023                      | 105,774           |
| Hydrogen .....  | 288                         | 27,253           | 19,748               | 973                       | 548            | 48,810            | 2,444                           | 14,711                      | 80,847            |
| Oxygenates (excluding Fuel Ethanol) .....                   | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | —                 |
| Methyl Tertiary Butyl Ether (MTBE) .....                    | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | —                 |
| All Other Oxygenates <sup>1</sup> .....                     | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | —                 |
| Renewable Fuels (including Fuel Ethanol) .....              | 3,198                       | 760              | 3,273                | 675                       | 787            | 8,693             | 3,794                           | 3,312                       | 24,533            |
| Fuel Ethanol .....  | 2,506                       | 580              | 2,163                | 317                       | 658            | 6,224             | 3,375                           | 1,058                       | 17,208            |
| Renewable Diesel Fuel <sup>2</sup> .....                    | 692                         | 180              | 1,110                | 358                       | 129            | 2,469             | 419                             | 2,254                       | 7,325             |
| Other Renewable Fuels .....                                 | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | —                 |
| Other Hydrocarbons .....                                    | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | 394               |
| Unfinished Oils (net) .....                                 | -1,540                      | -32,671          | 115,816              | -1,996                    | -544           | 79,065            | -3,141                          | 31,820                      | 122,994           |
| Naphthas and Lighter .....                                  | -1,104                      | -75,182          | 725                  | -557                      | -227           | -76,345           | -768                            | 564                         | -64,084           |
| Kerosene and Light Gas Oils .....                           | 663                         | -12,327          | 9,282                | -289                      | -67            | -2,738            | -3,086                          | 392                         | -5,441            |
| Heavy Gas Oils .....  | -591                        | 55,669           | 94,286               | -476                      | -254           | 148,634           | 988                             | 26,250                      | 183,818           |
| Residuam .....  | -508                        | -831             | 11,523               | -674                      | 4              | 9,514             | -275                            | 4,614                       | 8,701             |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....                | -103,556                    | -617,285         | -490,857             | -18,927                   | -17,594        | -1,248,219        | -60,998                         | -452,875                    | -2,568,339        |
| Reformulated - RBOB .....                                   | -15,520                     | -172,544         | -48,707              | —                         | -8,267         | -245,038          | —                               | -330,285                    | -787,642          |
| Conventional .....  | -88,036                     | -444,741         | -442,150             | -18,927                   | -9,327         | -1,003,181        | -60,998                         | -122,590                    | -1,780,697        |
| CBOB .....  | -86,764                     | -389,621         | -413,956             | -18,632                   | -9,252         | -918,225          | -61,780                         | -124,053                    | -1,690,180        |
| GTAB .....  | —                           | —                | —                    | —                         | —              | —                 | —                               | —                           | —                 |
| Other .....   | -1,272                      | -55,120          | -28,194              | -295                      | -75            | -84,956           | 782                             | 1,463                       | -90,517           |
| Aviation Gasoline Blend. Comp. (net) .....                  | 288                         | —                | 4                    | —                         | —              | 292               | —                               | —                           | 292               |
| <b>Total Input to Refineries</b> .....                      | <b>149,240</b>              | <b>1,109,587</b> | <b>933,904</b>       | <b>63,433</b>             | <b>34,718</b>  | <b>2,290,882</b>  | <b>174,915</b>                  | <b>531,264</b>              | <b>4,039,771</b>  |
| <b>Atmospheric Crude Oil Distillation</b>                   |                             |                  |                      |                           |                |                   |                                 |                             |                   |
| Gross Input (daily average) .....                           | 673                         | 4,706            | 3,510                | 203                       | 136            | 9,228             | 618                             | 2,649                       | 17,316            |
| Operable Capacity (daily average) .....                     | 747                         | 4,955            | 3,669                | 256                       | 137            | 9,763             | 683                             | 2,838                       | 18,600            |
| Operable Utilization Rate (percent) <sup>3</sup> .....      | 90.1                        | 95.0             | 95.7                 | 79.2                      | 99.3           | 94.5              | 90.5                            | 93.3                        | 93.1              |
| <b>Downstream Processing</b>                                |                             |                  |                      |                           |                |                   |                                 |                             |                   |
| <b>Fresh Feed Input (daily average)</b>                     |                             |                  |                      |                           |                |                   |                                 |                             |                   |
| Catalytic Reforming .....                                   | 145                         | 653              | 579                  | 32                        | 28             | 1,437             | 92                              | 405                         | 2,802             |
| Catalytic Cracking .....                                    | 174                         | 1,325            | 1,056                | 15                        | 33             | 2,603             | 166                             | 726                         | 4,967             |
| Catalytic Hydrocracking .....                               | 45                          | 536              | 448                  | 16                        | 17             | 1,062             | 22                              | 485                         | 1,904             |
| Delayed and Fluid Coking .....                              | 23                          | 781              | 521                  | 24                        | —              | 1,349             | 64                              | 467                         | 2,420             |
| <b>Crude Oil Qualities</b>                                  |                             |                  |                      |                           |                |                   |                                 |                             |                   |
| Sulfur Content, Weighted Average (percent) .....            | 0.54                        | 1.58             | 1.43                 | 1.59                      | 0.69           | 1.43              | 1.48                            | 1.41                        | 1.40              |
| API Gravity, Weighted Average (degrees) .....               | 39.81                       | 32.17            | 31.55                | 30.87                     | 39.57          | 32.61             | 32.66                           | 28.20                       | 32.18             |
| <b>Operable Capacity (daily average)</b> .....              | <b>747</b>                  | <b>4,955</b>     | <b>3,669</b>         | <b>256</b>                | <b>137</b>     | <b>9,763</b>      | <b>683</b>                      | <b>2,838</b>                | <b>18,600</b>     |
| Operating .....   | 747                         | 4,949            | 3,669                | 256                       | 137            | 9,758             | 673                             | 2,837                       | 18,494            |
| Idle .....  | —                           | 6                | —                    | —                         | —              | 6                 | 10                              | 2                           | 106               |
| <b>Alaskan Crude Oil Receipts</b> .....                     | —                           | —                | —                    | —                         | —              | —                 | —                               | <b>167,729</b>              | <b>167,729</b>    |

— = No Data Reported.

NA = Not Available.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>3</sup> Represents gross input divided by operable calendar day capacity.

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

Note: Refer to Appendix A for Refining District descriptions.

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

**Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels)

| Commodity  | PAD District 1 - East Coast |                   |                | PAD District 2 - Midwest    |  |                            |                |
|--|-----------------------------|-------------------|----------------|-----------------------------|--|----------------------------|----------------|
|  | East Coast                  | Appalachian No. 1 | Total          | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| Hydrocarbon Gas Liquids .....                    | 12,966                      | 192               | 13,158         | 31,297                      | 2,928  | 4,053                      | 38,278         |
| Natural Gas Liquids .....                        | 8,750                       | 192               | 8,942          | 19,747                      | 1,169  | 1,147                      | 22,063         |
| Ethane .....                                     | -                           | -                 | -              | -                           | -  | -                          | -              |
| Propane .....                                    | 7,458                       | 263               | 7,721          | 18,523                      | 3,253  | 4,990                      | 26,766         |
| Normal Butane .....                              | 1,485                       | 84                | 1,569          | 1,916                       | -1,769                                       | -3,270                     | -3,123         |
| Isobutane .....                                  | -193                        | -155              | -348           | -692                        | -315   | -573                       | -1,580         |
| Natural Gasoline .....                           | -                           | -                 | -              | -                           | -  | -                          | -              |
| Refinery Olefins .....                           | 4,216                       | -                 | 4,216          | 11,550                      | 1,759  | 2,906                      | 16,215         |
| Ethylene .....                                   | 83                          | -                 | 83             | -                           | -  | -                          | -              |
| Propylene .....                                  | 4,287                       | -                 | 4,287          | 10,851                      | 1,764  | 2,929                      | 15,544         |
| Butylene .....                                   | -462                        | -                 | -462           | 699                         | -5   | 4                          | 698            |
| Isobutylene .....                                | 308                         | -                 | 308            | -                           | -  | -27                        | -27            |
| Finished Motor Gasoline .....                    | 8,467                       | 13,532            | 21,999         | 79,151                      | 20,707                                       | 31,426                     | 131,284        |
| Reformulated .....                               | 8,467                       | -                 | 8,467          | -                           | -  | -                          | -              |
| Reformulated Blended with Fuel Ethanol .....     | 8,467                       | -                 | 8,467          | -                           | -  | -                          | -              |
| Reformulated Other .....                         | -                           | -                 | -              | -                           | -  | -                          | -              |
| Conventional .....                               | -                           | 13,532            | 13,532         | 79,151                      | 20,707                                       | 31,426                     | 131,284        |
| Conventional Blended with Fuel Ethanol .....     | -                           | 11,616            | 11,616         | 19,580                      | 15,937                                       | 13,525                     | 49,042         |
| Ed55 and Lower .....                             | -                           | 11,616            | 11,616         | 19,580                      | 15,937                                       | 13,525                     | 49,042         |
| Greater than Ed55 .....                          | -                           | -                 | -              | -                           | -  | -                          | -              |
| Conventional Other .....                         | -                           | 1,916             | 1,916          | 59,571                      | 4,770  | 17,901                     | 82,242         |
| Finished Aviation Gasoline .....                 | -                           | -                 | -              | -                           | 456  | -                          | 456            |
| Kerosene-Type Jet Fuel .....                     | 32,536                      | -                 | 32,536         | 74,239                      | 10,861                                       | 10,700                     | 95,800         |
| Kerosene .....                                   | 1,371                       | 10                | 1,381          | 1,281                       | -  | 257                        | 1,538          |
| Distillate Fuel Oil .....                        | 108,982                     | 9,036             | 118,018        | 231,907                     | 57,400                                       | 120,970                    | 410,277        |
| 15 ppm sulfur and under .....                    | 100,168                     | 7,850             | 108,018        | 232,502                     | 57,081                                       | 121,195                    | 410,778        |
| Greater than 15 ppm to 500 ppm sulfur .....      | 4,028                       | 904               | 4,932          | -303                        | 259  | -72                        | -116           |
| Greater than 500 ppm sulfur .....                | 4,786                       | 282               | 5,068          | -292                        | 60   | -153                       | -385           |
| Residual Fuel Oil .....                          | 17,523                      | 17                | 17,540         | 13,889                      | 2,399  | 1,308                      | 17,596         |
| Less than 0.31 percent sulfur .....              | 5,272                       | 15                | 5,287          | 538                         | -  | 1                          | 539            |
| 0.31 to 1.00 percent sulfur .....                | 5,199                       | 2                 | 5,201          | 1,713                       | 817  | -                          | 2,530          |
| Greater than 1.00 percent sulfur .....           | 7,052                       | -                 | 7,052          | 11,638                      | 1,582  | 1,307                      | 14,527         |
| Petrochemical Feedstocks .....                   | 1,105                       | -                 | 1,105          | 10,806                      | -  | 406                        | 11,212         |
| Naphtha for Petro. Feed. Use .....               | 1,105                       | -                 | 1,105          | 7,640                       | -  | -                          | 7,640          |
| Other Oils for Petro. Feed. Use .....            | -                           | -                 | -              | 3,166                       | -  | 406                        | 3,572          |
| Special Naphthas .....                           | -                           | 245               | 245            | 511                         | -  | 170                        | 681            |
| Lubricants .....                                 | 2,566                       | 2,281             | 4,847          | -                           | -  | 2,399                      | 2,399          |
| Waxes .....                                      | -                           | 199               | 199            | -                           | -  | 354                        | 354            |
| Petroleum Coke .....                             | 12,244                      | 214               | 12,458         | 46,934                      | 10,733                                       | 10,884                     | 68,551         |
| Marketable .....                                 | 4,746                       | -                 | 4,746          | 33,803                      | 8,728  | 8,386                      | 50,917         |
| Catalyst .....                                   | 7,498                       | 214               | 7,712          | 13,131                      | 2,005  | 2,498                      | 17,634         |
| Asphalt and Road Oil .....                       | 5,451                       | 7,057             | 12,508         | 34,975                      | 14,801                                       | 4,231                      | 54,007         |
| Still Gas .....                                  | 15,220                      | 604               | 15,824         | 33,050                      | 7,460  | 12,385                     | 52,895         |
| Miscellaneous Products .....                     | 858                         | 305               | 1,163          | 3,658                       | 1,384  | 646                        | 5,688          |
| <b>Total .....</b>                               | <b>219,289</b>              | <b>33,692</b>     | <b>252,981</b> | <b>561,698</b>              | <b>129,129</b>                               | <b>200,189</b>             | <b>891,016</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -18,252                     | 583               | -17,669        | -53,671                     | -15,337                                      | -14,610                    | -83,618        |

See footnotes at end of table.

**Table 19. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity  | PAD District 3 - Gulf Coast |                  |                      |                           |               |                  | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total       |
|--|-----------------------------|------------------|----------------------|---------------------------|---------------|------------------|---------------------------------|-----------------------------|------------------|
|  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total            |                                 |                             |                  |
| Hydrocarbon Gas Liquids .....                    | 7,947                       | 79,439           | 69,114               | 359                       | 511           | 157,370          | 3,296                           | 19,433                      | 231,535          |
| Natural Gas Liquids .....                        | 3,002                       | 37,641           | 32,140               | 32                        | 511           | 73,326           | 3,026                           | 16,487                      | 123,844          |
| Ethane .....                                     | 16                          | 1,645            | 499                  | —                         | —             | 2,160            | —                               | —                           | 2,160            |
| Propane .....                                    | 3,687                       | 27,679           | 27,021               | 153                       | 576           | 59,116           | 3,029                           | 13,361                      | 109,993          |
| Normal Butane .....                              | 967                         | 13,589           | 2,322                | -121                      | -70           | 16,687           | 210                             | 1,288                       | 16,631           |
| Isobutane .....                                  | -1,668                      | -5,272           | 2,298                | —                         | 5             | -4,637           | -213                            | 1,838                       | -4,940           |
| Natural Gasoline .....                           | —                           | —                | —                    | —                         | —             | —                | —                               | —                           | —                |
| Refinery Olefins .....                           | 4,945                       | 41,798           | 36,974               | 327                       | —             | 84,044           | 270                             | 2,946                       | 107,691          |
| Ethylene .....                                   | —                           | 7                | —                    | —                         | —             | 7                | —                               | —                           | 90               |
| Propylene .....                                  | 4,926                       | 42,251           | 36,279               | 327                       | —             | 83,783           | 38                              | 3,234                       | 106,886          |
| Butylene .....                                   | 19                          | -95              | 695                  | —                         | —             | 619              | 235                             | -288                        | 802              |
| Isobutylene .....                                | —                           | -365             | —                    | —                         | —             | -365             | -3                              | —                           | -87              |
| Finished Motor Gasoline .....                    | 38,238                      | 143,179          | 142,506              | 4,186                     | 10,691        | 338,800          | 55,642                          | 37,944                      | 585,669          |
| Reformulated .....                               | —                           | —                | —                    | —                         | —             | —                | —                               | 6,992                       | 15,459           |
| Reformulated Blended with Fuel Ethanol .....     | —                           | —                | —                    | —                         | —             | —                | —                               | 6,992                       | 15,459           |
| Reformulated Other .....                         | —                           | —                | —                    | —                         | —             | —                | —                               | —                           | —                |
| Conventional .....                               | 38,238                      | 143,179          | 142,506              | 4,186                     | 10,691        | 338,800          | 55,642                          | 30,952                      | 570,210          |
| Conventional Blended with Fuel Ethanol .....     | 24,551                      | 5,784            | 21,472               | 3,301                     | 6,486         | 61,594           | 34,187                          | 3,585                       | 160,024          |
| Ed55 and Lower .....                             | 24,486                      | 5,784            | 21,472               | 3,301                     | 6,486         | 61,529           | 34,187                          | 3,585                       | 159,959          |
| Greater than Ed55 .....                          | 65                          | —                | —                    | —                         | —             | 65               | —                               | —                           | 65               |
| Conventional Other .....                         | 13,687                      | 137,395          | 121,034              | 885                       | 4,205         | 277,206          | 21,455                          | 27,367                      | 410,186          |
| Finished Aviation Gasoline .....                 | 936                         | 1,039            | 1,247                | —                         | —             | 3,222            | 60                              | 541                         | 4,279            |
| Kerosene-Type Jet Fuel .....                     | 17,464                      | 174,678          | 149,593              | 1,568                     | —             | 343,303          | 11,879                          | 175,528                     | 659,046          |
| Kerosene .....                                   | 37                          | 151              | 62                   | 183                       | —             | 433              | 2                               | 3                           | 3,357            |
| Distillate Fuel Oil .....                        | 72,718                      | 523,466          | 421,052              | 29,711                    | 20,787        | 1,067,734        | 75,493                          | 203,828                     | 1,875,350        |
| 15 ppm sulfur and under .....                    | 72,778                      | 497,841          | 350,648              | 28,034                    | 20,787        | 970,088          | 75,050                          | 194,952                     | 1,758,886        |
| Greater than 15 ppm to 500 ppm sulfur .....      | -60                         | 3,217            | 26,021               | 749                       | —             | 29,927           | 429                             | 3,656                       | 38,828           |
| Greater than 500 ppm sulfur .....                | —                           | 22,408           | 44,383               | 928                       | —             | 67,719           | 14                              | 5,220                       | 77,636           |
| Residual Fuel Oil .....                          | 3,583                       | 22,681           | 49,744               | -516                      | 1,096         | 76,588           | 4,450                           | 41,082                      | 157,256          |
| Less than 0.31 percent sulfur .....              | 2,534                       | 298              | 11,199               | —                         | —             | 14,031           | 2,446                           | —                           | 22,303           |
| 0.31 to 1.00 percent sulfur .....                | —                           | 1,703            | 5,735                | -516                      | 242           | 7,164            | 311                             | 7,500                       | 22,706           |
| Greater than 1.00 percent sulfur .....           | 1,049                       | 20,680           | 32,810               | —                         | 854           | 55,393           | 1,693                           | 33,582                      | 112,247          |
| Petrochemical Feedstocks .....                   | 1,513                       | 67,623           | 37,352               | 68                        | —             | 106,556          | —                               | 29                          | 118,902          |
| Naphtha for Petro. Feed. Use .....               | 1,391                       | 48,680           | 20,379               | 68                        | —             | 70,518           | —                               | 29                          | 79,292           |
| Other Oils for Petro. Feed. Use .....            | 122                         | 18,943           | 16,973               | —                         | —             | 36,038           | —                               | —                           | 39,610           |
| Special Naphthas .....                           | 972                         | 8,252            | —                    | 2,573                     | —             | 11,797           | —                               | 398                         | 13,121           |
| Lubricants .....                                 | 253                         | 21,652           | 20,694               | 9,999                     | —             | 52,598           | —                               | 7,456                       | 67,300           |
| Waxes .....                                      | —                           | 546              | 337                  | 238                       | —             | 1,121            | —                               | —                           | 1,674            |
| Petroleum Coke .....                             | 4,920                       | 102,374          | 71,197               | 1,769                     | 542           | 180,802          | 9,412                           | 57,742                      | 328,965          |
| Marketable .....                                 | 2,030                       | 78,705           | 55,219               | 1,616                     | —             | 137,570          | 6,618                           | 44,541                      | 244,392          |
| Catalyst .....                                   | 2,890                       | 23,669           | 15,978               | 153                       | 542           | 43,232           | 2,794                           | 13,201                      | 84,573           |
| Asphalt and Road Oil .....                       | 2,641                       | 5,006            | 8,366                | 10,358                    | 820           | 27,191           | 14,829                          | 9,428                       | 117,963          |
| Still Gas .....                                  | 8,766                       | 70,761           | 51,692               | 2,294                     | 921           | 134,434          | 8,137                           | 45,137                      | 256,427          |
| Miscellaneous Products .....                     | 1,410                       | 11,985           | 7,017                | 219                       | 497           | 21,128           | 1,250                           | 5,175                       | 34,404           |
| <b>Total .....</b>                               | <b>161,398</b>              | <b>1,232,832</b> | <b>1,029,973</b>     | <b>63,009</b>             | <b>35,865</b> | <b>2,523,077</b> | <b>184,450</b>                  | <b>603,724</b>              | <b>4,455,248</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | -12,158                     | -123,245         | -96,069              | 424                       | -1,147        | -232,195         | -9,535                          | -72,460                     | -415,477         |

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

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

**Table 20. Blender Net Inputs of Petroleum Products by PAD Districts, 2018**  
(Thousand Barrels)

| Commodity                                      | PAD District 1 - East Coast |                   |                  | PAD District 2 - Midwest    |  |                            |                |
|--|-----------------------------|-------------------|------------------|-----------------------------|--|----------------------------|----------------|
|  | East Coast                  | Appalachian No. 1 | Total            | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| <b>Hydrocarbon Gas Liquids</b> .....           | <b>7,405</b>                | <b>38</b>         | <b>7,443</b>     | <b>1,081</b>                | <b>515</b>                                   | <b>3,323</b>               | <b>4,919</b>   |
| Natural Gas Liquids .....                      | 7,405                       | 38                | 7,443            | 1,081                       | 515  | 3,323                      | 4,919          |
| Normal Butane .....                            | 5,916                       | 38                | 5,954            | 1,073                       | 403  | 2,593                      | 4,069          |
| Isobutane .....                                | -                           | -                 | -                | -                           | -  | -                          | -              |
| Natural Gasoline .....                         | 1,489                       | -                 | 1,489            | 8                           | 112  | 730                        | 850            |
| <b>Other Liquids</b> .....                     | <b>1,077,028</b>            | <b>74,806</b>     | <b>1,151,834</b> | <b>542,928</b>              | <b>107,665</b>                               | <b>165,773</b>             | <b>816,366</b> |
| Oxygenates/Renewables .....                    | 116,104                     | 7,904             | 124,008          | 58,859                      | 13,007                                       | 18,408                     | 90,274         |
| Oxygenates (excluding Fuel Ethanol) .....      | -                           | -                 | -                | -                           | -  | -                          | -              |
| Methyl Tertiary Butyl Ether (MTBE) .....       | -                           | -                 | -                | -                           | -  | -                          | -              |
| All Other Oxygenates <sup>1</sup> .....        | -                           | -                 | -                | -                           | -  | -                          | -              |
| Renewable Fuels (including Fuel Ethanol) ..... | 116,104                     | 7,904             | 124,008          | 58,859                      | 13,007                                       | 18,408                     | 90,274         |
| Fuel Ethanol .....                             | 113,067                     | 7,476             | 120,543          | 56,655                      | 11,796                                       | 17,821                     | 86,272         |
| Renewable Diesel Fuel <sup>2</sup> .....       | 3,037                       | 428               | 3,465            | 2,204                       | 1,211  | 587                        | 4,002          |
| Other Renewable Fuels .....                    | -                           | -                 | -                | -                           | -  | -                          | -              |
| Unfinished Oils (net) .....                    | 7                           | -                 | 7                | 826                         | -  | -                          | 826            |
| Naphthas and Lighter .....                     | -                           | -                 | -                | -                           | -  | -                          | -              |
| Kerosene and Light Gas Oils .....              | -                           | -                 | -                | -                           | -  | -                          | -              |
| Heavy Gas Oils .....                           | 7                           | -                 | 7                | -                           | -  | -                          | -              |
| Residuum .....                                 | -                           | -                 | -                | 826                         | -  | -                          | 826            |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....   | 960,917                     | 66,902            | 1,027,819        | 483,243                     | 94,658                                       | 147,365                    | 725,266        |
| Reformulated - RBOB .....                      | 298,989                     | 1,751             | 300,740          | 86,452                      | 16,756                                       | 13,634                     | 116,842        |
| Conventional .....                             | 661,928                     | 65,151            | 727,079          | 396,791                     | 77,902                                       | 133,731                    | 608,424        |
| CBOB .....                                     | 547,442                     | 65,151            | 612,593          | 396,346                     | 77,902                                       | 133,728                    | 607,976        |
| GTAB .....                                     | 44,298                      | -                 | 44,298           | -                           | -  | -                          | -              |
| Other .....                                    | 70,188                      | -                 | 70,188           | 445                         | -  | 3                          | 448            |
| Aviation Gasoline Blend. Comp. (net) .....     | -                           | -                 | -                | -                           | -  | -                          | -              |
| <b>Total Input</b> .....                       | <b>1,084,433</b>            | <b>74,844</b>     | <b>1,159,277</b> | <b>544,009</b>              | <b>108,180</b>                               | <b>169,096</b>             | <b>821,285</b> |

  

| Commodity                                      | PAD District 3 - Gulf Coast |                  |                      |                           |               |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total       |
|--|-----------------------------|------------------|----------------------|---------------------------|---------------|----------------|---------------------------------|-----------------------------|------------------|
|  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total          |                                 |                             |                  |
| <b>Hydrocarbon Gas Liquids</b> .....           | <b>375</b>                  | <b>8,889</b>     | <b>1,301</b>         | <b>354</b>                | <b>-</b>      | <b>10,919</b>  | <b>826</b>                      | <b>383</b>                  | <b>24,490</b>    |
| Natural Gas Liquids .....                      | 375                         | 8,889            | 1,301                | 354                       | -             | 10,919         | 826                             | 383                         | 24,490           |
| Normal Butane .....                            | 268                         | 3,024            | 1,301                | 354                       | -             | 4,947          | 522                             | 383                         | 15,875           |
| Isobutane .....                                | -                           | -                | -                    | -                         | -             | -              | 34                              | -                           | 34               |
| Natural Gasoline .....                         | 107                         | 5,865            | -                    | -                         | -             | 5,972          | 270                             | -                           | 8,581            |
| <b>Other Liquids</b> .....                     | <b>211,742</b>              | <b>133,906</b>   | <b>32,693</b>        | <b>108,101</b>            | <b>13,556</b> | <b>499,998</b> | <b>57,066</b>                   | <b>547,964</b>              | <b>3,073,228</b> |
| Oxygenates/Renewables .....                    | 22,439                      | 10,281           | 3,516                | 12,111                    | 1,566         | 49,913         | 7,674                           | 60,690                      | 332,559          |
| Oxygenates (excluding Fuel Ethanol) .....      | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Methyl Tertiary Butyl Ether (MTBE) .....       | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| All Other Oxygenates <sup>1</sup> .....        | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Renewable Fuels (including Fuel Ethanol) ..... | 22,439                      | 10,281           | 3,516                | 12,111                    | 1,566         | 49,913         | 7,674                           | 60,690                      | 332,559          |
| Fuel Ethanol .....                             | 21,739                      | 9,451            | 3,513                | 11,772                    | 1,371         | 47,846         | 7,533                           | 56,803                      | 318,997          |
| Renewable Diesel Fuel <sup>2</sup> .....       | 700                         | 830              | 3                    | 339                       | 195           | 2,067          | 141                             | 3,852                       | 13,527           |
| Other Renewable Fuels .....                    | -                           | -                | -                    | -                         | -             | -              | -                               | 35                          | 35               |
| Unfinished Oils (net) .....                    | -                           | -1,621           | -221                 | -                         | -             | -1,842         | -                               | -1                          | -1,010           |
| Naphthas and Lighter .....                     | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Kerosene and Light Gas Oils .....              | -                           | -1,621           | 209                  | -                         | -             | -1,412         | -                               | 1                           | -1,411           |
| Heavy Gas Oils .....                           | -                           | -                | -430                 | -                         | -             | -430           | -                               | -                           | -423             |
| Residuum .....                                 | -                           | -                | -                    | -                         | -             | -              | -                               | -2                          | 824              |
| Motor Gasoline Blend.Comp. (MGBC)(net) .....   | 189,303                     | 125,246          | 29,398               | 95,990                    | 11,990        | 451,927        | 49,392                          | 487,275                     | 2,741,679        |
| Reformulated - RBOB .....                      | 82,533                      | 53,352           | -                    | -                         | -             | 135,885        | -                               | 360,917                     | 914,384          |
| Conventional .....                             | 106,770                     | 71,894           | 29,398               | 95,990                    | 11,990        | 316,042        | 49,392                          | 126,358                     | 1,827,295        |
| CBOB .....                                     | 106,770                     | -14,376          | 16,093               | 95,573                    | 11,938        | 215,998        | 49,366                          | 126,060                     | 1,611,993        |
| GTAB .....                                     | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | 44,298           |
| Other .....                                    | -                           | 86,270           | 13,305               | 417                       | 52            | 100,044        | 26                              | 298                         | 171,004          |
| Aviation Gasoline Blend. Comp. (net) .....     | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| <b>Total Input</b> .....                       | <b>212,117</b>              | <b>142,795</b>   | <b>33,994</b>        | <b>108,455</b>            | <b>13,556</b> | <b>510,917</b> | <b>57,892</b>                   | <b>548,347</b>              | <b>3,097,718</b> |

- = No Data Reported.  
<sup>1</sup> 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).  
<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.  
Note: Refer to Appendix A for Refining District descriptions.  
Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 21. Blender Net Production of Petroleum Products by PAD Districts, 2018**  
(Thousand Barrels)

| Commodity  | PAD District 1 - East Coast |                   |                  | PAD District 2 - Midwest    |  |                            |                |
|--|-----------------------------|-------------------|------------------|-----------------------------|--|----------------------------|----------------|
|  | East Coast                  | Appalachian No. 1 | Total            | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total          |
| Finished Motor Gasoline .....                    | 1,082,718                   | 74,415            | 1,157,133        | 540,920                     | 106,978                                      | 168,530                    | 816,428        |
| Reformulated .....                               | 464,652                     | 1,940             | 466,592          | 99,109                      | 18,615                                       | 15,182                     | 132,906        |
| Reformulated Blended with Fuel Ethanol .....     | 464,652                     | 1,940             | 466,592          | 99,109                      | 18,615                                       | 15,182                     | 132,906        |
| Reformulated Other .....                         | -                           | -                 | -                | -                           | -  | -                          | -              |
| Conventional .....                               | 618,066                     | 72,475            | 690,541          | 441,811                     | 88,363                                       | 153,348                    | 683,522        |
| Conventional Blended with Fuel Ethanol .....     | 655,562                     | 72,602            | 728,164          | 460,725                     | 97,409                                       | 157,109                    | 715,243        |
| Ed55 and Lower .....                             | 654,996                     | 72,602            | 727,598          | 460,582                     | 97,061                                       | 156,248                    | 713,891        |
| Greater than Ed55 .....                          | 566                         | -                 | 566              | 143                         | 348  | 861                        | 1,352          |
| Conventional Other .....                         | -37,496                     | -127              | -37,623          | -18,914                     | -9,046                                       | -3,761                     | -31,721        |
| Finished Aviation Gasoline .....                 | -                           | -                 | -                | -                           | -  | -                          | -              |
| Kerosene-Type Jet Fuel .....                     | -47                         | 20                | -27              | -78                         | -9   | -5                         | -92            |
| Kerosene .....                                   | -93                         | -                 | -93              | -30                         | 0  | -                          | -30            |
| Distillate Fuel Oil .....                        | 2,078                       | 400               | 2,478            | 2,378                       | 1,199  | 557                        | 4,134          |
| 15 ppm sulfur and under .....                    | 1,580                       | 400               | 1,980            | 2,377                       | 1,199  | 557                        | 4,133          |
| Greater than 15 ppm to 500 ppm sulfur .....      | 625                         | -                 | 625              | 1                           | -  | 1,183                      | 1,184          |
| Greater than 500 ppm sulfur .....                | -127                        | -                 | -127             | -                           | -  | -1,183                     | -1,183         |
| Residual Fuel Oil .....                          | -248                        | -                 | -248             | -                           | -  | -                          | -              |
| Less than 0.31 percent sulfur .....              | -349                        | -                 | -349             | -                           | -  | -                          | -              |
| 0.31 to 1.00 percent sulfur .....                | 19                          | -                 | 19               | -                           | -  | -                          | -              |
| Greater than 1.00 percent sulfur .....           | 82                          | -                 | 82               | -                           | -  | -                          | -              |
| Special Naphthas .....                           | -                           | -                 | -                | -                           | -  | -                          | -              |
| Lubricants .....                                 | -                           | -                 | -                | -                           | -  | -                          | -              |
| Asphalt and Road Oil .....                       | 1                           | -                 | 1                | 826                         | 9  | 8                          | 843            |
| Miscellaneous Products .....                     | -                           | -                 | -                | -                           | -  | -                          | -              |
| <b>Total Production .....</b>                    | <b>1,084,409</b>            | <b>74,835</b>     | <b>1,159,244</b> | <b>544,016</b>              | <b>108,177</b>                               | <b>169,090</b>             | <b>821,283</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | 24                          | 9                 | 33               | -7                          | 3  | 6                          | 2              |

| Commodity  | PAD District 3 - Gulf Coast |                  |                      |                           |               |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total       |
|--|-----------------------------|------------------|----------------------|---------------------------|---------------|----------------|---------------------------------|-----------------------------|------------------|
|  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico    | Total          |                                 |                             |                  |
| Finished Motor Gasoline .....                    | 211,398                     | 143,587          | 34,209               | 108,103                   | 13,363        | 510,660        | 57,752                          | 544,491                     | 3,086,464        |
| Reformulated .....                               | 91,770                      | 78,310           | -                    | -                         | -             | 170,080        | -                               | 401,640                     | 1,171,218        |
| Reformulated Blended with Fuel Ethanol .....     | 91,770                      | 78,310           | -                    | -                         | -             | 170,080        | -                               | 401,640                     | 1,171,218        |
| Reformulated Other .....                         | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Conventional .....                               | 119,628                     | 65,277           | 34,209               | 108,103                   | 13,363        | 340,580        | 57,752                          | 142,851                     | 1,915,246        |
| Conventional Blended with Fuel Ethanol .....     | 122,457                     | 14,297           | 34,911               | 116,695                   | 13,778        | 302,138        | 74,329                          | 163,899                     | 1,983,773        |
| Ed55 and Lower .....                             | 122,306                     | 14,297           | 34,911               | 116,525                   | 13,778        | 301,817        | 74,167                          | 163,859                     | 1,981,332        |
| Greater than Ed55 .....                          | 151                         | -                | -                    | 170                       | -             | 321            | 162                             | 40                          | 2,441            |
| Conventional Other .....                         | -2,829                      | 50,980           | -702                 | -8,592                    | -415          | 38,442         | -16,577                         | -21,048                     | -68,527          |
| Finished Aviation Gasoline .....                 | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Kerosene-Type Jet Fuel .....                     | -                           | -24              | 98                   | -1                        | -             | 73             | 711                             | -378                        | 287              |
| Kerosene .....                                   | -                           | -                | 27                   | -                         | -             | 27             | -                               | 134                         | 38               |
| Distillate Fuel Oil .....                        | 716                         | -210             | -96                  | 339                       | 196           | 945            | -569                            | 4,003                       | 10,991           |
| 15 ppm sulfur and under .....                    | 716                         | 588              | -121                 | 338                       | 196           | 1,717          | -569                            | 3,861                       | 11,122           |
| Greater than 15 ppm to 500 ppm sulfur .....      | -                           | -                | 25                   | -                         | -             | 25             | -                               | -                           | 1,834            |
| Greater than 500 ppm sulfur .....                | -                           | -798             | -                    | 1                         | -             | -797           | -                               | 142                         | -1,965           |
| Residual Fuel Oil .....                          | -                           | -559             | -1,586               | -                         | -             | -2,145         | -                               | 83                          | -2,310           |
| Less than 0.31 percent sulfur .....              | -                           | 260              | -107                 | -                         | -             | 153            | -                               | 66                          | -130             |
| 0.31 to 1.00 percent sulfur .....                | -                           | -107             | 142                  | -                         | -             | 35             | -                               | -93                         | -39              |
| Greater than 1.00 percent sulfur .....           | -                           | -712             | -1,621               | -                         | -             | -2,333         | -                               | 110                         | -2,141           |
| Special Naphthas .....                           | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Lubricants .....                                 | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| Asphalt and Road Oil .....                       | -                           | -                | 1,340                | -                         | -             | 1,340          | -                               | -                           | 2,184            |
| Miscellaneous Products .....                     | -                           | -                | -                    | -                         | -             | -              | -                               | -                           | -                |
| <b>Total Production .....</b>                    | <b>212,114</b>              | <b>142,794</b>   | <b>33,992</b>        | <b>108,441</b>            | <b>13,559</b> | <b>510,900</b> | <b>57,894</b>                   | <b>548,333</b>              | <b>3,097,654</b> |
| Processing Gain(-) or Loss(+) <sup>1</sup> ..... | 3                           | 1                | 2                    | 14                        | -3            | 17             | -2                              | 14                          | 64               |

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels)

| Commodity   | PAD District 1 - East Coast |                   |               | PAD District 2 - Midwest    |  |                            |               |
|---|-----------------------------|-------------------|---------------|-----------------------------|--|----------------------------|---------------|
|   | East Coast                  | Appalachian No. 1 | Total         | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total         |
| <b>Crude Oil</b> .....                              | <b>8,818</b>                | <b>646</b>        | <b>9,464</b>  | <b>9,745</b>                | <b>2,239</b>                                 | <b>1,935</b>               | <b>13,919</b> |
| <b>Petroleum Products</b> .....                     | <b>14,616</b>               | <b>2,376</b>      | <b>16,992</b> | <b>29,831</b>               | <b>8,419</b>                                 | <b>11,783</b>              | <b>50,033</b> |
| Hydrocarbon Gas Liquids .....                       | 830                         | 48                | 878           | 2,043                       | 456  | 1,210                      | 3,709         |
| Natural Gas Liquids .....                           | 542                         | 48                | 590           | 1,730                       | 429  | 1,125                      | 3,284         |
| Ethane .....  | —                           | —                 | —             | —                           | —  | —                          | —             |
| Propane .....                                       | 93                          | 2                 | 95            | 374                         | 35   | 615                        | 1,024         |
| Normal Butane .....                                 | 332                         | 31                | 363           | 960                         | 358  | 170                        | 1,488         |
| Isobutane .....                                     | 117                         | 15                | 132           | 266                         | 36   | 100                        | 402           |
| Natural Gasoline .....                              | —                           | —                 | —             | 130                         | —  | 240                        | 370           |
| Refinery Olefins .....                              | 288                         | 0                 | 288           | 313                         | 27   | 85                         | 425           |
| Ethylene .....                                      | —                           | —                 | —             | —                           | —  | —                          | —             |
| Propylene .....                                     | 121                         | 0                 | 121           | 313                         | 27   | 11                         | 351           |
| Butylene .....                                      | 107                         | 0                 | 107           | 0                           | 0  | 4                          | 4             |
| Isobutylene .....                                   | 60                          | 0                 | 60            | 0                           | 0  | 70                         | 70            |
| Oxygenates/Renewable Fuels/Other Hydrocarbons ..... | 130                         | 93                | 223           | 58                          | 51   | 31                         | 140           |
| Oxygenates (excluding Fuel Ethanol) .....           | —                           | —                 | —             | —                           | —  | —                          | —             |
| Methyl Tertiary Butyl Ether (MTBE) .....            | —                           | —                 | —             | —                           | —  | —                          | —             |
| All Other Oxygenates <sup>1</sup> .....             | —                           | —                 | —             | —                           | —  | —                          | —             |
| Renewable Fuels (including Fuel Ethanol) .....      | 130                         | 93                | 223           | 37                          | 51   | 31                         | 119           |
| Fuel Ethanol .....                                  | 130                         | 90                | 220           | 20                          | 34   | 27                         | 81            |
| Renewable Diesel Fuel <sup>2</sup> .....            | —                           | 3                 | 3             | 17                          | 17   | 4                          | 38            |
| Other Renewable Fuels .....                         | —                           | —                 | —             | —                           | —  | —                          | —             |
| Other Hydrocarbons .....                            | —                           | —                 | —             | 21                          | —  | —                          | 21            |
| Unfinished Oils .....                               | 4,466                       | 478               | 4,944         | 8,009                       | 788  | 3,652                      | 12,449        |
| Naphthas and Lighter .....                          | 1,077                       | 337               | 1,414         | 2,031                       | 216  | 1,137                      | 3,384         |
| Kerosene and Light Gas Oils .....                   | 823                         | —                 | 823           | 1,695                       | 209  | 310                        | 2,214         |
| Heavy Gas Oils .....                                | 1,990                       | 130               | 2,120         | 2,733                       | 359  | 1,483                      | 4,575         |
| Residuum .....                                      | 576                         | 11                | 587           | 1,550                       | 4  | 722                        | 2,276         |
| Motor Gasoline Blending Components (MGBC) .....     | 4,606                       | 224               | 4,830         | 8,527                       | 2,622  | 3,607                      | 14,756        |
| Reformulated - RBOB .....                           | 1,210                       | —                 | 1,210         | 1,102                       | 40   | —                          | 1,142         |
| Conventional .....                                  | 3,396                       | 224               | 3,620         | 7,425                       | 2,582  | 3,607                      | 13,614        |
| CBOB .....  | 580                         | 197               | 777           | 2,985                       | 1,227  | 2,274                      | 6,486         |
| GTAB .....  | —                           | —                 | —             | —                           | —  | —                          | —             |
| Other .....   | 2,816                       | 27                | 2,843         | 4,440                       | 1,355  | 1,333                      | 7,128         |
| Aviation Gasoline Blending Components .....         | —                           | —                 | —             | —                           | —  | —                          | —             |
| Finished Motor Gasoline .....                       | —                           | 42                | 42            | 955                         | 94   | 363                        | 1,412         |
| Reformulated .....                                  | —                           | —                 | —             | —                           | —  | —                          | —             |
| Reformulated Blended with Fuel Ethanol .....        | —                           | —                 | —             | —                           | —  | —                          | —             |
| Reformulated Other .....                            | —                           | —                 | —             | —                           | —  | —                          | —             |
| Conventional .....                                  | —                           | 42                | 42            | 955                         | 94   | 363                        | 1,412         |
| Conventional Blended with Fuel Ethanol .....        | —                           | —                 | —             | —                           | —  | —                          | —             |
| Ed55 and Lower .....                                | —                           | —                 | —             | —                           | —  | —                          | —             |
| Greater than Ed55 .....                             | —                           | —                 | —             | —                           | —  | —                          | —             |
| Conventional Other .....                            | —                           | 42                | 42            | 955                         | 94   | 363                        | 1,412         |
| Finished Aviation Gasoline .....                    | —                           | —                 | —             | —                           | 60   | —                          | 60            |
| Kerosene-Type Jet Fuel .....                        | 653                         | —                 | 653           | 1,429                       | 312  | 240                        | 1,981         |
| Kerosene .....                                      | 153                         | 5                 | 158           | 170                         | —  | 74                         | 244           |
| Distillate Fuel Oil .....                           | 2,508                       | 303               | 2,811         | 4,409                       | 1,292  | 1,636                      | 7,337         |
| 15 ppm sulfur and under .....                       | 2,046                       | 131               | 2,177         | 4,290                       | 1,152  | 1,544                      | 6,986         |
| Greater than 15 ppm to 500 ppm sulfur .....         | 132                         | 156               | 288           | —                           | 9  | 42                         | 51            |
| Greater than 500 ppm sulfur .....                   | 330                         | 16                | 346           | 119                         | 131  | 50                         | 300           |
| Residual Fuel Oil .....                             | 509                         | 11                | 520           | 761                         | 218  | 39                         | 1,018         |
| Less than 0.31 percent sulfur .....                 | 126                         | 9                 | 135           | 54                          | —  | —                          | 54            |
| 0.31 to 1.00 percent sulfur .....                   | 41                          | 2                 | 43            | 114                         | 27   | —                          | 141           |
| Greater than 1.00 percent sulfur .....              | 342                         | —                 | 342           | 593                         | 191  | 39                         | 823           |
| Petrochemical Feedstocks .....                      | 80                          | —                 | 80            | 565                         | —  | —                          | 565           |
| Naphtha for Petro. Feed. Use .....                  | 80                          | —                 | 80            | 427                         | —  | —                          | 427           |
| Other Oils for Petro. Feed. Use .....               | —                           | —                 | —             | 138                         | —  | —                          | 138           |
| Special Naphthas .....                              | —                           | 23                | 23            | 69                          | —  | 18                         | 87            |
| Lubricants .....                                    | 571                         | 261               | 832           | —                           | —  | 359                        | 359           |
| Waxes .....   | —                           | 376               | 376           | —                           | —  | 28                         | 28            |
| Petroleum Coke .....                                | —                           | —                 | —             | 430                         | 822  | 86                         | 1,338         |
| Marketable .....                                    | —                           | —                 | —             | 430                         | 822  | 86                         | 1,338         |
| Catalyst .....                                      | —                           | —                 | —             | —                           | —  | —                          | —             |
| Asphalt and Road Oil .....                          | 96                          | 492               | 588           | 2,326                       | 1,673  | 434                        | 4,433         |
| Miscellaneous Products .....                        | 14                          | 20                | 34            | 80                          | 31   | 6                          | 117           |
| <b>Total Stocks, All Oils</b> .....                 | <b>23,434</b>               | <b>3,022</b>      | <b>26,456</b> | <b>39,576</b>               | <b>10,658</b>                                | <b>13,718</b>              | <b>63,952</b> |

See footnotes at end of table.

**Table 22. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, 2018**  
(Thousand Barrels) – Continued

| Commodity   | PAD District 3 - Gulf Coast |                  |                      |                           |              |                | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total     |
|---|-----------------------------|------------------|----------------------|---------------------------|--------------|----------------|---------------------------------|-----------------------------|----------------|
|   | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico   | Total          |                                 |                             |                |
| <b>Crude Oil</b> .....                              | <b>1,958</b>                | <b>27,638</b>    | <b>16,358</b>        | <b>1,224</b>              | <b>314</b>   | <b>47,492</b>  | <b>2,283</b>                    | <b>19,263</b>               | <b>92,421</b>  |
| <b>Petroleum Products</b> .....                     | <b>9,554</b>                | <b>60,975</b>    | <b>52,245</b>        | <b>4,584</b>              | <b>1,510</b> | <b>128,868</b> | <b>11,589</b>                   | <b>51,100</b>               | <b>258,582</b> |
| Hydrocarbon Gas Liquids .....                       | 2,201                       | 2,463            | 4,768                | 8                         | 84           | 9,524          | 409                             | 1,347                       | 15,867         |
| Natural Gas Liquids .....                           | 1,402                       | 2,210            | 3,621                | 7                         | 84           | 7,324          | 372                             | 1,297                       | 12,867         |
| Ethane .....  | 188                         | –                | –                    | –                         | –            | 188            | –                               | –                           | 188            |
| Propane .....                                       | 366                         | 538              | 212                  | 2                         | 3            | 1,121          | 56                              | 111                         | 2,407          |
| Normal Butane .....                                 | 510                         | 1,438            | 2,391                | 1                         | 66           | 4,406          | 224                             | 807                         | 7,288          |
| Isobutane .....                                     | 267                         | 204              | 789                  | 4                         | 11           | 1,275          | 83                              | 378                         | 2,270          |
| Natural Gasoline .....                              | 71                          | 30               | 229                  | –                         | 4            | 334            | 9                               | 1                           | 714            |
| Refinery Olefins .....                              | 799                         | 253              | 1,147                | 1                         | 0            | 2,200          | 37                              | 50                          | 3,000          |
| Ethylene .....                                      | 0                           | –                | –                    | –                         | –            | 0              | –                               | –                           | 0              |
| Propylene .....                                     | 799                         | 48               | 457                  | 1                         | 0            | 1,305          | 1                               | 12                          | 1,790          |
| Butylene .....                                      | 0                           | 205              | 690                  | 0                         | 0            | 895            | 31                              | 38                          | 1,075          |
| Isobutylene .....                                   | 0                           | 0                | 0                    | 0                         | 0            | 0              | 5                               | 0                           | 135            |
| Oxygenates/Renewable Fuels/Other Hydrocarbons ..... | 43                          | 48               | 249                  | 96                        | 13           | 449            | 228                             | 457                         | 1,497          |
| Oxygenates (excluding Fuel Ethanol) .....           | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Methyl Tertiary Butyl Ether (MTBE) .....            | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| All Other Oxygenates <sup>1</sup> .....             | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Renewable Fuels (including Fuel Ethanol) .....      | 43                          | 48               | 249                  | 96                        | 13           | 449            | 228                             | 457                         | 1,476          |
| Fuel Ethanol .....                                  | 36                          | 20               | 76                   | 38                        | 11           | 181            | 116                             | 31                          | 629            |
| Renewable Diesel Fuel <sup>2</sup> .....            | 7                           | 28               | 173                  | 58                        | 2            | 268            | 112                             | 426                         | 847            |
| Other Renewable Fuels .....                         | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Other Hydrocarbons .....                            | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | 21             |
| Unfinished Oils .....                               | 2,312                       | 21,097           | 14,307               | 907                       | 583          | 39,206         | 3,497                           | 18,837                      | 78,933         |
| Naphthas and Lighter .....                          | 687                         | 6,499            | 2,213                | 213                       | 248          | 9,860          | 627                             | 3,023                       | 18,308         |
| Kerosene and Light Gas Oils .....                   | 528                         | 3,317            | 2,033                | 208                       | 124          | 6,210          | 649                             | 3,489                       | 13,385         |
| Heavy Gas Oils .....                                | 486                         | 9,543            | 7,593                | 426                       | 211          | 18,259         | 1,751                           | 9,744                       | 36,449         |
| Residuum .....                                      | 611                         | 1,738            | 2,468                | 60                        | –            | 4,877          | 470                             | 2,581                       | 10,791         |
| Motor Gasoline Blending Components (MGBC) .....     | 2,368                       | 13,377           | 13,550               | 358                       | 356          | 30,009         | 3,126                           | 13,851                      | 66,572         |
| Reformulated - RBOB .....                           | 168                         | 1,225            | 250                  | –                         | –            | 1,643          | –                               | 4,897                       | 8,892          |
| Conventional .....                                  | 2,200                       | 12,152           | 13,300               | 358                       | 356          | 28,366         | 3,126                           | 8,954                       | 57,680         |
| CBOB .....  | 899                         | 3,889            | 6,699                | 269                       | 14           | 11,770         | 1,702                           | 2,370                       | 23,105         |
| GTAB .....  | –                           | –                | 1                    | –                         | –            | 1              | –                               | –                           | 1              |
| Other .....   | 1,301                       | 8,263            | 6,600                | 89                        | 342          | 16,595         | 1,424                           | 6,584                       | 34,574         |
| Aviation Gasoline Blending Components .....         | 22                          | –                | 9                    | –                         | –            | 31             | –                               | –                           | 31             |
| Finished Motor Gasoline .....                       | 422                         | 1,587            | 1,762                | 29                        | 78           | 3,878          | 773                             | 801                         | 6,906          |
| Reformulated .....                                  | –                           | –                | –                    | –                         | –            | –              | –                               | 14                          | 14             |
| Reformulated Blended with Fuel Ethanol .....        | –                           | –                | –                    | –                         | –            | –              | –                               | 14                          | 14             |
| Reformulated Other .....                            | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Conventional .....                                  | 422                         | 1,587            | 1,762                | 29                        | 78           | 3,878          | 773                             | 787                         | 6,892          |
| Conventional Blended with Fuel Ethanol .....        | –                           | –                | –                    | –                         | –            | –              | 77                              | –                           | 77             |
| Ed55 and Lower .....                                | –                           | –                | –                    | –                         | –            | –              | 77                              | –                           | 77             |
| Greater than Ed55 .....                             | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Conventional Other .....                            | 422                         | 1,587            | 1,762                | 29                        | 78           | 3,878          | 696                             | 787                         | 6,815          |
| Finished Aviation Gasoline .....                    | 35                          | 232              | 107                  | –                         | –            | 374            | 10                              | 137                         | 581            |
| Kerosene-Type Jet Fuel .....                        | 366                         | 3,474            | 2,691                | 47                        | –            | 6,578          | 353                             | 4,046                       | 13,611         |
| Kerosene .....                                      | 46                          | 7                | 50                   | 6                         | –            | 109            | 2                               | 3                           | 516            |
| Distillate Fuel Oil .....                           | 968                         | 6,818            | 7,749                | 507                       | 167          | 16,209         | 1,873                           | 5,887                       | 34,117         |
| 15 ppm sulfur and under .....                       | 928                         | 5,842            | 5,867                | 344                       | 167          | 13,148         | 1,642                           | 5,153                       | 29,106         |
| Greater than 15 ppm to 500 ppm sulfur .....         | 40                          | 149              | 689                  | 47                        | –            | 925            | 145                             | 244                         | 1,653          |
| Greater than 500 ppm sulfur .....                   | –                           | 827              | 1,193                | 116                       | –            | 2,136          | 86                              | 490                         | 3,358          |
| Residual Fuel Oil .....                             | 95                          | 2,149            | 1,612                | 23                        | 118          | 3,997          | 236                             | 2,238                       | 8,009          |
| Less than 0.31 percent sulfur .....                 | 10                          | –                | 180                  | –                         | –            | 190            | 25                              | –                           | 404            |
| 0.31 to 1.00 percent sulfur .....                   | –                           | 208              | 87                   | 23                        | 4            | 322            | 8                               | 239                         | 753            |
| Greater than 1.00 percent sulfur .....              | 85                          | 1,941            | 1,345                | –                         | 114          | 3,485          | 203                             | 1,999                       | 6,852          |
| Petrochemical Feedstocks .....                      | 115                         | 1,822            | 795                  | 22                        | –            | 2,754          | –                               | 5                           | 3,404          |
| Naphtha for Petro. Feed. Use .....                  | 39                          | 1,181            | 640                  | 22                        | –            | 1,882          | –                               | 5                           | 2,394          |
| Other Oils for Petro. Feed. Use .....               | 76                          | 641              | 155                  | –                         | –            | 872            | –                               | –                           | 1,010          |
| Special Naphthas .....                              | 113                         | 893              | –                    | 157                       | –            | 1,163          | –                               | 57                          | 1,330          |
| Lubricants .....                                    | 50                          | 2,814            | 2,689                | 983                       | –            | 6,536          | –                               | 997                         | 8,724          |
| Waxes .....   | –                           | 89               | 120                  | 63                        | –            | 272            | –                               | –                           | 676            |
| Petroleum Coke .....                                | 33                          | 3,661            | 1,202                | –                         | –            | 4,896          | 194                             | 1,471                       | 7,899          |
| Marketable .....                                    | 33                          | 3,661            | 1,202                | –                         | –            | 4,896          | 194                             | 1,471                       | 7,899          |
| Catalyst .....                                      | –                           | –                | –                    | –                         | –            | –              | –                               | –                           | –              |
| Asphalt and Road Oil .....                          | 349                         | 198              | 483                  | 1,377                     | 82           | 2,489          | 872                             | 867                         | 9,249          |
| Miscellaneous Products .....                        | 16                          | 246              | 102                  | 1                         | 29           | 394            | 16                              | 99                          | 660            |
| <b>Total Stocks, All Oils</b> .....                 | <b>11,512</b>               | <b>88,613</b>    | <b>68,603</b>        | <b>5,808</b>              | <b>1,824</b> | <b>176,360</b> | <b>13,872</b>                   | <b>70,363</b>               | <b>351,003</b> |

– = No Data Reported.

<sup>1</sup> 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).

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

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

**Table 23. Percent Yield of Petroleum Products by PAD and Refining Districts, 2018**

| Commodity  | PAD District 1 - East Coast |                   |       | PAD District 2 - Midwest    |  |                            |       |
|--|-----------------------------|-------------------|-------|-----------------------------|--|----------------------------|-------|
|  | East Coast                  | Appalachian No. 1 | Total | Indiana, Illinois, Kentucky | Minnesota, Wisconsin, North and South Dakota | Oklahoma, Kansas, Missouri | Total |
| Hydrocarbon Gas Liquids <sup>1</sup> .....       | 3.5                         | 0.6               | 3.3   | 3.5                         | 1.6  | 1.3                        | 2.7   |
| Finished Motor Gasoline <sup>2</sup> .....       | 47.4                        | 37.3              | 46.6  | 52.7                        | 50.2   | 50.3                       | 51.8  |
| Finished Aviation Gasoline <sup>3</sup> .....    | -                           | -                 | -     | -                           | 0.3  | -                          | 0.0   |
| Kerosene-Type Jet Fuel .....                     | 8.9                         | -                 | 8.2   | 8.2                         | 5.9  | 3.5                        | 6.9   |
| Kerosene .....                                   | 0.4                         | 0.0               | 0.4   | 0.1                         | -  | 0.1                        | 0.1   |
| Distillate Fuel Oil <sup>4</sup> .....           | 29.8                        | 26.9              | 29.5  | 25.5                        | 30.6   | 39.0                       | 29.2  |
| Residual Fuel Oil .....                          | 4.8                         | 0.1               | 4.4   | 1.5                         | 1.3  | 0.4                        | 1.3   |
| Naphtha for Petro. Feed. Use .....               | 0.3                         | -                 | 0.3   | 0.9                         | -  | -                          | 0.6   |
| Other Oils for Petro. Feed. Use .....            | -                           | -                 | -     | 0.4                         | -  | 0.1                        | 0.3   |
| Special Naphthas .....                           | -                           | 0.8               | 0.1   | 0.1                         | -  | 0.1                        | 0.1   |
| Lubricants .....                                 | 0.7                         | 7.0               | 1.2   | -                           | -  | 0.8                        | 0.2   |
| Waxes .....                                      | -                           | 0.6               | 0.1   | -                           | -  | 0.1                        | 0.0   |
| Petroleum Coke .....                             | 3.4                         | 0.7               | 3.1   | 5.2                         | 5.8  | 3.5                        | 4.9   |
| Asphalt and Road Oil .....                       | 1.5                         | 21.6              | 3.1   | 3.9                         | 8.0  | 1.4                        | 3.9   |
| Still Gas .....                                  | 4.2                         | 1.9               | 4.0   | 3.7                         | 4.0  | 4.0                        | 3.8   |
| Miscellaneous Products .....                     | 0.2                         | 0.9               | 0.3   | 0.4                         | 0.8  | 0.2                        | 0.4   |
| Processing Gain(-) or Loss(+) <sup>5</sup> ..... | -5.0                        | 1.8               | -4.4  | -5.9                        | -8.3   | -4.7                       | -6.0  |

| Commodity  | PAD District 3 - Gulf Coast |                  |                      |                           |            |       | PAD District 4 - Rocky Mountain | PAD District 5 - West Coast | U.S. Total |
|--|-----------------------------|------------------|----------------------|---------------------------|------------|-------|---------------------------------|-----------------------------|------------|
|  | Texas Inland                | Texas Gulf Coast | Louisiana Gulf Coast | North Louisiana, Arkansas | New Mexico | Total |                                 |                             |            |
| Hydrocarbon Gas Liquids <sup>1</sup> .....       | 3.3                         | 4.7              | 5.0                  | 0.4                       | 1.0        | 4.6   | 1.5                             | 2.1                         | 3.6        |
| Finished Motor Gasoline <sup>2</sup> .....       | 54.8                        | 42.4             | 42.4                 | 27.5                      | 51.7       | 43.1  | 47.3                            | 48.3                        | 46.1       |
| Finished Aviation Gasoline <sup>3</sup> .....    | 0.3                         | 0.1              | 0.1                  | -                         | -          | 0.1   | 0.0                             | 0.1                         | 0.1        |
| Kerosene-Type Jet Fuel .....                     | 7.2                         | 10.4             | 10.9                 | 1.9                       | -          | 10.0  | 5.3                             | 18.5                        | 10.3       |
| Kerosene .....                                   | 0.0                         | 0.0              | 0.0                  | 0.2                       | -          | 0.0   | 0.0                             | 0.0                         | 0.1        |
| Distillate Fuel Oil <sup>4</sup> .....           | 29.6                        | 31.2             | 30.6                 | 36.1                      | 41.7       | 31.1  | 33.3                            | 21.2                        | 29.2       |
| Residual Fuel Oil .....                          | 1.5                         | 1.4              | 3.6                  | -0.6                      | 2.2        | 2.2   | 2.0                             | 4.3                         | 2.5        |
| Naphtha for Petro. Feed. Use .....               | 0.6                         | 2.9              | 1.5                  | 0.1                       | -          | 2.1   | -                               | 0.0                         | 1.2        |
| Other Oils for Petro. Feed. Use .....            | 0.1                         | 1.1              | 1.2                  | -                         | -          | 1.1   | -                               | -                           | 0.6        |
| Special Naphthas .....                           | 0.4                         | 0.5              | -                    | 3.2                       | -          | 0.3   | -                               | 0.0                         | 0.2        |
| Lubricants .....                                 | 0.1                         | 1.3              | 1.5                  | 12.3                      | -          | 1.5   | -                               | 0.8                         | 1.1        |
| Waxes .....                                      | -                           | 0.0              | 0.0                  | 0.3                       | -          | 0.0   | -                               | -                           | 0.0        |
| Petroleum Coke .....                             | 2.0                         | 6.1              | 5.2                  | 2.2                       | 1.1        | 5.3   | 4.2                             | 6.1                         | 5.1        |
| Asphalt and Road Oil .....                       | 1.1                         | 0.3              | 0.6                  | 12.8                      | 1.7        | 0.8   | 6.6                             | 1.0                         | 1.8        |
| Still Gas .....                                  | 3.6                         | 4.2              | 3.8                  | 2.8                       | 1.9        | 3.9   | 3.6                             | 4.8                         | 4.0        |
| Miscellaneous Products .....                     | 0.6                         | 0.7              | 0.5                  | 0.0                       | 1.0        | 0.6   | 0.6                             | 0.6                         | 0.5        |
| Processing Gain(-) or Loss(+) <sup>5</sup> ..... | -5.0                        | -7.4             | -7.0                 | 0.5                       | -2.3       | -6.8  | -4.2                            | -7.6                        | -6.5       |

- = No Data Reported.

<sup>1</sup> Excludes natural gasoline.

<sup>2</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>3</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>4</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>5</sup> Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

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

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 18 and 19.

**Table 24. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, 2018**  
(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         |
| <b>PAD District 1</b> .....     | <b>694</b>              | <b>2,055</b>          | <b>30,313</b>              | <b>33,062</b> |
| Connecticut .....               | -                       | -                     | -                          | -             |
| Delaware .....                  | 227                     | 227                   | -                          | 454           |
| Florida .....                   | -                       | 125                   | 6,516                      | 6,641         |
| Georgia .....                   | -                       | -                     | 2,134                      | 2,134         |
| Maine .....                     | -                       | -                     | -                          | -             |
| Maryland .....                  | -                       | -                     | -                          | -             |
| Massachusetts .....             | -                       | 33                    | -                          | 33            |
| New Hampshire .....             | -                       | 98                    | -                          | 98            |
| New Jersey .....                | 465                     | 1,569                 | 16,209                     | 18,243        |
| New York .....                  | -                       | -                     | 2,029                      | 2,029         |
| North Carolina .....            | -                       | -                     | -                          | -             |
| Pennsylvania .....              | -                       | -                     | 1,747                      | 1,747         |
| Rhode Island .....              | -                       | -                     | -                          | -             |
| South Carolina .....            | -                       | -                     | 1,235                      | 1,235         |
| Vermont .....                   | 2                       | 3                     | 17                         | 22            |
| Virginia .....                  | -                       | -                     | 426                        | 426           |
| West Virginia .....             | -                       | -                     | -                          | -             |
| <b>PAD District 2</b> .....     | <b>1</b>                | <b>409</b>            | <b>941</b>                 | <b>1,351</b>  |
| Illinois .....                  | -                       | -                     | -                          | -             |
| Indiana .....                   | -                       | -                     | -                          | -             |
| Michigan .....                  | -                       | -                     | 918                        | 918           |
| Minnesota .....                 | 1                       | 376                   | -                          | 377           |
| North Dakota .....              | -                       | 33                    | 23                         | 56            |
| Ohio .....                      | -                       | -                     | -                          | -             |
| Wisconsin .....                 | -                       | -                     | -                          | -             |
| <b>PAD District 3</b> .....     | <b>7,877</b>            | <b>2,226</b>          | <b>20,638</b>              | <b>30,741</b> |
| Alabama .....                   | -                       | -                     | -                          | -             |
| Louisiana .....                 | 517                     | 1,054                 | 118                        | 1,689         |
| Mississippi .....               | -                       | -                     | -                          | -             |
| New Mexico .....                | -                       | -                     | -                          | -             |
| Texas .....                     | 7,360                   | 1,172                 | 20,520                     | 29,052        |
| <b>PAD District 4</b> .....     | <b>-</b>                | <b>-</b>              | <b>124</b>                 | <b>124</b>    |
| Idaho .....                     | -                       | -                     | -                          | -             |
| Montana .....                   | -                       | -                     | 124                        | 124           |
| <b>PAD District 5</b> .....     | <b>-</b>                | <b>2,490</b>          | <b>9,398</b>               | <b>11,888</b> |
| Alaska .....                    | -                       | -                     | -                          | -             |
| California .....                | -                       | 350                   | 8,801                      | 9,151         |
| Hawaii .....                    | -                       | -                     | -                          | -             |
| Oregon .....                    | -                       | -                     | -                          | -             |
| Washington .....                | -                       | 2,140                 | 597                        | 2,737         |
| <b>U.S. Total</b> .....         | <b>8,572</b>            | <b>7,180</b>          | <b>61,414</b>              | <b>77,166</b> |

- = No Data Reported.

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

**Table 25. Imports of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels, Except Where Noted)

| Commodity   | PAD Districts  |                |                  |                |                | U.S. Total       |               |
|---|----------------|----------------|------------------|----------------|----------------|------------------|---------------|
|   | 1              | 2              | 3                | 4              | 5              | Total            | Daily Average |
| <b>Crude Oil<sup>1,2</sup></b>                    | <b>311,048</b> | <b>908,238</b> | <b>1,017,321</b> | <b>111,103</b> | <b>487,781</b> | <b>2,835,491</b> | <b>7,768</b>  |
| <b>Hydrocarbon Gas Liquids</b>                    | <b>17,407</b>  | <b>32,151</b>  | <b>1,529</b>     | <b>4,517</b>   | <b>16,349</b>  | <b>71,953</b>    | <b>197</b>    |
| Natural Gas Liquids                               | 15,364         | 27,135         | 1                | 4,517          | 16,346         | 63,363           | 174           |
| Ethane  | -              | -              | -                | -              | -              | -                | -             |
| Propane   | 13,548         | 22,091         | 1                | 3,964          | 11,186         | 50,790           | 139           |
| Normal Butane                                     | 616            | 2,946          | -                | 312            | 4,570          | 8,444            | 23            |
| Isobutane   | 1,200          | 2,038          | -                | 241            | 590            | 4,069            | 11            |
| Natural Gasoline                                  | -              | 60             | -                | -              | -              | 60               | 0             |
| Refinery Olefins                                  | 2,043          | 5,016          | 1,528            | -              | 3              | 8,590            | 24            |
| Ethylene  | -              | -              | -                | -              | -              | -                | -             |
| Propylene   | 2,043          | 4,380          | -                | -              | 3              | 6,426            | 18            |
| Butylene  | -              | 636            | 1,528            | -              | -              | 2,164            | 6             |
| Isobutylene                                       | -              | -              | -                | -              | -              | -                | -             |
| <b>Other Liquids</b>                              | <b>217,560</b> | <b>6,818</b>   | <b>200,894</b>   | <b>986</b>     | <b>43,550</b>  | <b>469,808</b>   | <b>1,287</b>  |
| Hydrogen/Oxygenates/Renewables/Other Hydrocarbons | 2,230          | 784            | 4,128            | 37             | 5,807          | 12,986           | 36            |
| Hydrogen  | -              | -              | -                | -              | -              | -                | -             |
| Oxygenates (excluding Fuel Ethanol)               | -              | -              | 3,524            | -              | -              | 3,524            | 10            |
| Methyl Tertiary Butyl Ether (MTBE)                | -              | -              | 1,672            | -              | -              | 1,672            | 5             |
| Other Oxygenates <sup>3</sup>                     | -              | -              | 1,852            | -              | -              | 1,852            | 5             |
| Renewable Fuels (including Fuel Ethanol)          | 2,230          | 758            | 555              | 37             | 5,807          | 9,387            | 26            |
| Fuel Ethanol                                      | -              | -              | -                | -              | 1,294          | 1,294            | 4             |
| Biomass-Based Diesel Fuel                         | 2,230          | 758            | 555              | 37             | 389            | 3,969            | 11            |
| Other Renewable Diesel Fuel                       | -              | -              | -                | -              | 4,124          | 4,124            | 11            |
| Other Renewable Fuels                             | -              | -              | -                | -              | -              | -                | -             |
| Other Hydrocarbons                                | -              | 26             | 49               | -              | -              | 75               | 0             |
| Unfinished Oils <sup>1</sup>                      | 14,550         | 723            | 176,167          | 32             | 31,509         | 222,981          | 611           |
| Naphthas and Lighter                              | 3,140          | -              | 1,879            | -              | 386            | 5,405            | 15            |
| Kerosene and Lighter Gas Oils                     | -              | -              | 221              | -              | -              | 221              | 1             |
| Heavy Gas Oils                                    | 10,525         | 723            | 133,903          | 32             | 22,381         | 167,564          | 459           |
| Residuum  | 885            | -              | 40,164           | -              | 8,742          | 49,791           | 136           |
| Motor Gasoline Blend.Comp. (MGBC)                 | 200,780        | 5,311          | 20,599           | 917            | 6,234          | 233,841          | 641           |
| Reformulated - RBOB                               | 63,584         | 64             | -                | -              | 972            | 64,620           | 177           |
| Conventional                                      | 137,196        | 5,247          | 20,599           | 917            | 5,262          | 169,221          | 464           |
| CBOB  | 10,320         | 2,746          | 310              | -              | 1,188          | 14,564           | 40            |
| GTAB  | 29,781         | -              | 1,653            | -              | 80             | 31,514           | 86            |
| Other   | 97,095         | 2,501          | 18,636           | 917            | 3,994          | 123,143          | 337           |
| Aviation Gasoline Blend. Comp.                    | -              | -              | -                | -              | -              | -                | -             |
| <b>Finished Petroleum Products</b>                | <b>129,398</b> | <b>11,280</b>  | <b>60,748</b>    | <b>1,341</b>   | <b>49,023</b>  | <b>251,790</b>   | <b>690</b>    |
| Finished Motor Gasoline                           | 13,446         | -              | 838              | -              | 2,059          | 16,343           | 45            |
| Reformulated                                      | -              | -              | -                | -              | -              | -                | -             |
| Reformulated Blended with Fuel Ethanol            | -              | -              | -                | -              | -              | -                | -             |
| Reformulated Other                                | -              | -              | -                | -              | -              | -                | -             |
| Conventional                                      | 13,446         | -              | 838              | -              | 2,059          | 16,343           | 45            |
| Conventional Blended with Fuel Ethanol            | -              | -              | -                | -              | -              | -                | -             |
| Ed55 and Lower                                    | -              | -              | -                | -              | -              | -                | -             |
| Greater than Ed55                                 | -              | -              | -                | -              | -              | -                | -             |
| Conventional Other                                | 13,446         | -              | 838              | -              | 2,059          | 16,343           | 45            |
| Finished Aviation Gasoline                        | 31             | 30             | -                | 8              | 3              | 72               | 0             |
| Kerosene-Type Jet Fuel                            | 16,916         | -              | 28               | 124            | 28,284         | 45,352           | 124           |
| Bonded Aircraft Fuel                              | 2,327          | -              | -                | -              | 10,722         | 13,049           | 36            |
| Other   | 14,589         | -              | 28               | 124            | 17,562         | 32,303           | 89            |
| Kerosene  | 614            | 2              | -                | -              | -              | 616              | 2             |
| Distillate Fuel Oil                               | 53,222         | 2,937          | 2,686            | 749            | 4,175          | 63,769           | 175           |
| 15 ppm sulfur and under                           | 47,125         | 2,045          | 1,764            | 749            | 3,783          | 55,466           | 152           |
| Bonded  | -              | -              | -                | -              | 88             | 88               | 0             |
| Other   | 47,125         | 2,045          | 1,764            | 749            | 3,695          | 55,378           | 152           |
| Greater than 15 ppm to 500 ppm sulfur             | 1,355          | -              | -                | -              | -              | 1,355            | 4             |
| Bonded  | -              | -              | -                | -              | -              | -                | -             |
| Other   | 1,355          | -              | -                | -              | -              | 1,355            | 4             |
| Greater than 500 ppm to 2000 ppm sulfur           | 4,292          | 758            | 681              | -              | 186            | 5,917            | 16            |
| Bonded  | -              | -              | -                | -              | -              | -                | -             |
| Other   | 4,292          | 758            | 681              | -              | 186            | 5,917            | 16            |
| Greater than 2000 ppm                             | 450            | 134            | 241              | -              | 206            | 1,031            | 3             |
| Bonded  | -              | -              | -                | -              | -              | -                | -             |
| Other   | 450            | 134            | 241              | -              | 206            | 1,031            | 3             |
| Residual Fuel Oil                                 | 33,062         | 1,351          | 30,741           | 124            | 11,888         | 77,166           | 211           |
| Less than 0.31 percent sulfur                     | 694            | 1              | 7,877            | -              | -              | 8,572            | 23            |
| 0.31 to 1.00 percent sulfur                       | 2,055          | 409            | 2,226            | -              | 2,490          | 7,180            | 20            |
| Greater than 1.00 percent sulfur                  | 30,313         | 941            | 20,638           | 124            | 9,398          | 61,414           | 168           |
| Petrochemical Feedstocks                          | 33             | 1,717          | 5,727            | -              | 378            | 7,855            | 22            |
| Naphtha for Petro. Feed. Use                      | 18             | 840            | 5,209            | -              | 378            | 6,445            | 18            |
| Other Oils for Petro. Feed. Use                   | 15             | 877            | 518              | -              | -              | 1,410            | 4             |
| Special Naphthas                                  | 20             | 135            | 4,533            | -              | -              | 4,688            | 13            |
| Lubricants  | 1,815          | 1,536          | 12,315           | -              | 172            | 15,838           | 43            |
| Waxes   | 934            | 46             | 451              | -              | 512            | 1,943            | 5             |
| Petroleum Coke (Marketable)                       | 193            | 309            | 3,348            | -              | 325            | 4,175            | 11            |
| Asphalt and Road Oil                              | 9,112          | 3,213          | -                | 324            | 1,227          | 13,876           | 38            |
| Miscellaneous Products                            | -              | 4              | 81               | 12             | -              | 97               | 0             |
| <b>Total</b>                                      | <b>675,413</b> | <b>958,487</b> | <b>1,280,492</b> | <b>117,947</b> | <b>596,703</b> | <b>3,629,042</b> | <b>9,943</b>  |

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> 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).

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

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

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2018**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |               |               | Motor Gasoline Blending Components |                |                |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|---------------|---------------|------------------------------------|----------------|----------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional  | Total         | Reformulated                       | Conventional   | Total          |
| <b>OPEC</b> .....                     | <b>942,783</b>           | <b>140</b>          | <b>-</b>         | <b>59,180</b>                | <b>-</b>                | <b>625</b>    | <b>625</b>    | <b>-</b>                           | <b>17,139</b>  | <b>17,139</b>  |
| Algeria .....                         | 28,735                   | 140                 | -                | 34,684                       | -                       | -             | -             | -                                  | 536            | 536            |
| Angola .....                          | 32,994                   | -                   | -                | 2                            | -                       | -             | -             | -                                  | 1,334          | 1,334          |
| Congo (Brazzaville) .....             | 3,726                    | -                   | -                | 1,767                        | -                       | -             | -             | -                                  | -              | -              |
| Ecuador .....                         | 64,159                   | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Equatorial Guinea .....               | 6,881                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Gabon .....                           | 1,795                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Iraq .....                            | 189,150                  | -                   | -                | 850                          | -                       | -             | -             | -                                  | -              | -              |
| Kuwait .....                          | 28,441                   | -                   | -                | 109                          | -                       | -             | -             | -                                  | -              | -              |
| Libya .....                           | 20,216                   | -                   | -                | 151                          | -                       | -             | -             | -                                  | -              | -              |
| Nigeria .....                         | 64,057                   | -                   | -                | 803                          | -                       | -             | -             | -                                  | 3,855          | 3,855          |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Saudi Arabia .....                    | 317,599                  | -                   | -                | 1,428                        | -                       | 625           | 625           | -                                  | 3,058          | 3,058          |
| United Arab Emirates .....            | 1,995                    | -                   | -                | 18,331                       | -                       | -             | -             | -                                  | -              | -              |
| Venezuela .....                       | 184,533                  | -                   | -                | 1,565                        | -                       | -             | -             | -                                  | 8,356          | 8,356          |
| <b>Non-OPEC</b> .....                 | <b>1,892,708</b>         | <b>63,223</b>       | <b>8,590</b>     | <b>163,801</b>               | <b>-</b>                | <b>15,718</b> | <b>15,718</b> | <b>64,620</b>                      | <b>152,082</b> | <b>216,702</b> |
| Argentina .....                       | 8,319                    | 70                  | -                | 13                           | -                       | -             | -             | -                                  | 731            | 731            |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Australia .....                       | 529                      | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Belgium .....                         | -                        | -                   | -                | 15,745                       | -                       | 306           | 306           | 1,445                              | 6,604          | 8,049          |
| Brazil .....                          | 45,936                   | -                   | -                | 3,535                        | -                       | -             | -             | -                                  | 7,512          | 7,512          |
| Brunei .....                          | 5,478                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Cameroon .....                        | 1,144                    | -                   | -                | 791                          | -                       | -             | -             | -                                  | -              | -              |
| Canada .....                          | 1,353,207                | 60,915              | 7,062            | 7,662                        | -                       | 4,420         | 4,420         | 33,543                             | 19,426         | 52,969         |
| Chad .....                            | 7,310                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| China .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 157            | 157            |
| Colombia .....                        | 107,646                  | -                   | -                | 475                          | -                       | 103           | 103           | -                                  | 6,086          | 6,086          |
| Denmark .....                         | 2,436                    | -                   | -                | 2,329                        | -                       | -             | -             | 80                                 | 134            | 214            |
| Egypt .....                           | 7,989                    | -                   | -                | 4,534                        | -                       | -             | -             | 96                                 | 690            | 786            |
| Estonia .....                         | -                        | -                   | -                | 90                           | -                       | -             | -             | -                                  | -              | -              |
| Finland .....                         | -                        | -                   | -                | 612                          | -                       | -             | -             | 277                                | 4,263          | 4,540          |
| France .....                          | -                        | -                   | 37               | 2,189                        | -                       | 2,116         | 2,116         | 4,270                              | 4,018          | 8,288          |
| Germany .....                         | -                        | -                   | -                | 770                          | -                       | 18            | 18            | 13                                 | 236            | 249            |
| Guatemala .....                       | 2,501                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| India .....                           | -                        | -                   | -                | 927                          | -                       | 644           | 644           | 511                                | 19,511         | 20,022         |
| Indonesia .....                       | 14,531                   | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Italy .....                           | 438                      | -                   | -                | 3,931                        | -                       | 630           | 630           | 107                                | 3,265          | 3,372          |
| Korea, South .....                    | -                        | 56                  | -                | 120                          | -                       | 622           | 622           | -                                  | 2,287          | 2,287          |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 630            | 630            |
| Malaysia .....                        | 588                      | -                   | -                | 382                          | -                       | -             | -             | -                                  | -              | -              |
| Mexico .....                          | 242,773                  | -                   | 345              | 398                          | -                       | -             | -             | -                                  | 2,273          | 2,273          |
| Netherlands .....                     | -                        | -                   | -                | 4,056                        | -                       | 1,211         | 1,211         | 5,056                              | 8,752          | 13,808         |
| Norway .....                          | 19,507                   | 843                 | -                | 6,387                        | -                       | 579           | 579           | 1,284                              | 5,826          | 7,110          |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | 1,106         | 1,106         | 1,485                              | 7,669          | 9,154          |
| Russia .....                          | 26,705                   | -                   | -                | 85,894                       | -                       | 378           | 378           | 248                                | 12,148         | 12,396         |
| Spain .....                           | -                        | -                   | -                | 3,217                        | -                       | 385           | 385           | 47                                 | 14,173         | 14,220         |
| Sweden .....                          | -                        | 455                 | -                | 619                          | -                       | 1,022         | 1,022         | 77                                 | 2,388          | 2,465          |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Trinidad and Tobago .....             | 2,706                    | 387                 | -                | 348                          | -                       | -             | -             | -                                  | -              | -              |
| United Kingdom .....                  | 20,774                   | 384                 | -                | 2,783                        | -                       | 1,494         | 1,494         | 16,081                             | 10,710         | 26,791         |
| Vietnam .....                         | 788                      | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Other .....                           | 17,677                   | 113                 | 1,146            | 14,227                       | -                       | 684           | 684           | 0                                  | 12,593         | 12,593         |
| <b>Total</b> .....                    | <b>2,835,491</b>         | <b>63,363</b>       | <b>8,590</b>     | <b>222,981</b>               | <b>-</b>                | <b>16,343</b> | <b>16,343</b> | <b>64,620</b>                      | <b>169,221</b> | <b>233,841</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | <b>537,185</b>           | <b>-</b>            | <b>-</b>         | <b>20,718</b>                | <b>-</b>                | <b>625</b>    | <b>625</b>    | <b>-</b>                           | <b>3,058</b>   | <b>3,058</b>   |

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total  |
|---------------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|
|                                       | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |        |
| <b>OPEC</b> .....                     | —                                  | —                | —               | —                    | —                      | —                     | 9,768                   | —                                     | 140             | 100                   | 10,008 |
| Algeria .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Angola .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Congo (Brazzaville) .....             | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Ecuador .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Equatorial Guinea .....               | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Gabon .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Iran .....                            | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Iraq .....                            | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Kuwait .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Libya .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Nigeria .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | 140             | —                     | 140    |
| Qatar .....                           | —                                  | —                | —               | —                    | —                      | —                     | 2,523                   | —                                     | —               | —                     | 2,523  |
| Saudi Arabia .....                    | —                                  | —                | —               | —                    | —                      | —                     | 5,809                   | —                                     | —               | —                     | 5,809  |
| United Arab Emirates .....            | —                                  | —                | —               | —                    | —                      | —                     | 32                      | —                                     | —               | —                     | 32     |
| Venezuela .....                       | —                                  | —                | —               | —                    | —                      | —                     | 1,404                   | —                                     | —               | 100                   | 1,504  |
| <b>Non-OPEC</b> .....                 | 1,672                              | 1,852            | 1,294           | 3,969                | 4,124                  | —                     | 45,698                  | 1,355                                 | 5,777           | 931                   | 53,761 |
| Argentina .....                       | 132                                | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Aruba .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Australia .....                       | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Bahamas .....                         | —                                  | —                | —               | —                    | —                      | —                     | 542                     | —                                     | 163             | —                     | 705    |
| Bahrain .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Belgium .....                         | 52                                 | —                | —               | —                    | —                      | —                     | 605                     | —                                     | —               | —                     | 605    |
| Brazil .....                          | 719                                | 1,228            | 1,265           | —                    | —                      | —                     | 717                     | —                                     | —               | —                     | 717    |
| Brunei .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Cameroon .....                        | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Canada .....                          | —                                  | —                | —               | 1,886                | —                      | —                     | 29,967                  | 503                                   | 4,814           | 134                   | 35,418 |
| Chad .....                            | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| China .....                           | —                                  | —                | —               | —                    | —                      | —                     | 1,556                   | —                                     | —               | —                     | 1,556  |
| Colombia .....                        | —                                  | —                | —               | —                    | —                      | —                     | 3,339                   | —                                     | —               | 300                   | 3,639  |
| Denmark .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Egypt .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Estonia .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Finland .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| France .....                          | —                                  | —                | —               | 381                  | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Germany .....                         | 87                                 | —                | —               | 1,488                | —                      | —                     | —                       | —                                     | —               | —                     | 5      |
| Guatemala .....                       | —                                  | —                | 29              | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| India .....                           | —                                  | —                | —               | —                    | —                      | —                     | 3,369                   | —                                     | —               | —                     | 3,369  |
| Indonesia .....                       | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Italy .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Korea, South .....                    | —                                  | —                | —               | 157                  | —                      | —                     | 331                     | —                                     | —               | —                     | 331    |
| Latvia .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Lithuania .....                       | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Malaysia .....                        | —                                  | —                | —               | —                    | —                      | —                     | 241                     | —                                     | —               | —                     | 241    |
| Mexico .....                          | —                                  | —                | —               | —                    | —                      | —                     | 293                     | —                                     | 279             | —                     | 572    |
| Netherlands .....                     | 337                                | 624              | —               | —                    | —                      | —                     | 524                     | —                                     | —               | 69                    | 593    |
| Norway .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Oman .....                            | —                                  | —                | —               | —                    | —                      | —                     | 161                     | —                                     | —               | —                     | 161    |
| Portugal .....                        | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Russia .....                          | 345                                | —                | —               | —                    | —                      | —                     | 3,254                   | 852                                   | 503             | 167                   | 4,776  |
| Spain .....                           | —                                  | —                | —               | 57                   | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Sweden .....                          | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Syria .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Trinidad and Tobago .....             | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| United Kingdom .....                  | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Vietnam .....                         | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Virgin Islands, U.S. ....             | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Yemen .....                           | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —      |
| Other .....                           | 0                                  | 0                | 0               | 0                    | 4,124                  | —                     | 799                     | 0                                     | 18              | 261                   | 1,073  |
| <b>Total</b> .....                    | 1,672                              | 1,852            | 1,294           | 3,969                | 4,124                  | —                     | 55,466                  | 1,355                                 | 5,917           | 1,031                 | 63,769 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —                                  | —                | —               | —                    | —                      | —                     | 8,364                   | —                                     | —               | —                     | 8,364  |

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Kerosene | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            | Total  |
|---------------------------------------|----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|
|                                       |          |                            |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur |        |
| <b>OPEC</b> .....                     | —        | —                          | —                                     | 2,312                  | 84               | 3,879                   | 229                   | 11,926                     | 16,034 |
| Algeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Angola .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Congo (Brazzaville) .....             | —        | —                          | —                                     | —                      | —                | —                       | 227                   | —                          | 227    |
| Ecuador .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | 438                        | 438    |
| Equatorial Guinea .....               | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Gabon .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iran .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iraq .....                            | —        | —                          | —                                     | 108                    | —                | —                       | —                     | —                          | —      |
| Kuwait .....                          | —        | —                          | —                                     | 165                    | —                | —                       | —                     | —                          | —      |
| Libya .....                           | —        | —                          | —                                     | —                      | —                | 147                     | 2                     | —                          | 149    |
| Nigeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Qatar .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Saudi Arabia .....                    | —        | —                          | —                                     | 133                    | 84               | —                       | —                     | —                          | —      |
| United Arab Emirates .....            | —        | —                          | —                                     | —                      | —                | —                       | —                     | 43                         | 43     |
| Venezuela .....                       | —        | —                          | —                                     | 1,906                  | —                | 3,732                   | —                     | 11,445                     | 15,177 |
| <b>Non-OPEC</b> .....                 | 616      | 72                         | —                                     | 43,040                 | 4,604            | 4,693                   | 6,951                 | 49,488                     | 61,132 |
| Argentina .....                       | —        | —                          | —                                     | 6                      | —                | 208                     | 771                   | 1                          | 980    |
| Aruba .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Australia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Bahamas .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | 651                        | 651    |
| Bahrain .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Belgium .....                         | —        | —                          | —                                     | —                      | 71               | 78                      | 50                    | —                          | 128    |
| Brazil .....                          | —        | —                          | —                                     | —                      | 219              | 80                      | 595                   | 268                        | 943    |
| Brunei .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Cameroon .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Canada .....                          | 2        | 53                         | —                                     | 6,578                  | 856              | 679                     | 2,852                 | 15,076                     | 18,607 |
| Chad .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| China .....                           | 153      | —                          | —                                     | 3,003                  | —                | —                       | —                     | —                          | —      |
| Colombia .....                        | 108      | —                          | —                                     | 61                     | —                | —                       | 302                   | 2,721                      | 3,023  |
| Denmark .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Egypt .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Estonia .....                         | —        | —                          | —                                     | —                      | —                | 32                      | —                     | 326                        | 358    |
| Finland .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| France .....                          | —        | —                          | —                                     | —                      | 107              | 123                     | —                     | —                          | 123    |
| Germany .....                         | —        | —                          | —                                     | —                      | 24               | —                       | —                     | —                          | —      |
| Guatemala .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| India .....                           | —        | —                          | —                                     | 2,054                  | 84               | —                       | —                     | —                          | —      |
| Indonesia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Italy .....                           | —        | —                          | —                                     | 74                     | —                | —                       | —                     | —                          | —      |
| Korea, South .....                    | 353      | —                          | —                                     | 23,471                 | 2,042            | —                       | —                     | —                          | —      |
| Latvia .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Lithuania .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | 97                         | 97     |
| Malaysia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | 75                         | 75     |
| Mexico .....                          | —        | —                          | —                                     | 38                     | 37               | 525                     | 302                   | 12,776                     | 13,603 |
| Netherlands .....                     | —        | 19                         | —                                     | —                      | 3                | 57                      | —                     | 2,069                      | 2,126  |
| Norway .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Oman .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Portugal .....                        | —        | —                          | —                                     | —                      | 53               | —                       | —                     | —                          | —      |
| Russia .....                          | —        | —                          | —                                     | 7                      | —                | 1,749                   | —                     | 4,431                      | 6,180  |
| Spain .....                           | —        | —                          | —                                     | —                      | —                | —                       | 263                   | 80                         | 343    |
| Sweden .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | 286                        | 286    |
| Syria .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Trinidad and Tobago .....             | —        | —                          | —                                     | —                      | —                | 85                      | —                     | 6,281                      | 6,366  |
| United Kingdom .....                  | —        | —                          | —                                     | —                      | —                | 38                      | 10                    | —                          | 48     |
| Vietnam .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Virgin Islands, U.S. ....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Yemen .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Other .....                           | 0        | 0                          | —                                     | 7,748                  | 1,108            | 1,039                   | 1,579                 | 4,350                      | 6,968  |
| <b>Total</b> .....                    | 616      | 72                         | —                                     | 45,352                 | 4,688            | 8,572                   | 7,180                 | 61,414                     | 77,166 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —        | —                          | —                                     | 406                    | 84               | —                       | —                     | 43                         | 43     |

See footnotes at end of table.

**Table 26. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Petrochemical Feedstocks |              | Waxes        | Petroleum Coke | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |              |              |
|---------------------------------------|--------------------------|--------------|--------------|----------------|----------------------|---------------|------------------------|----------------|------------------------------|---------------|--------------|--------------|
|                                       | Naphtha                  | Other Oils   |              |                |                      |               |                        |                |                              | Crude Oil     | Products     | Total        |
| <b>OPEC</b> .....                     | <b>558</b>               | —            | —            | —              | <b>854</b>           | <b>4,287</b>  | —                      | <b>111,221</b> | <b>1,054,004</b>             | <b>2,583</b>  | <b>305</b>   | <b>2,888</b> |
| Algeria .....                         | 327                      | —            | —            | —              | —                    | —             | —                      | 35,687         | 64,422                       | 79            | 98           | 176          |
| Angola .....                          | —                        | —            | —            | —              | —                    | —             | —                      | 1,336          | 34,330                       | 90            | 4            | 94           |
| Congo (Brazzaville) .....             | —                        | —            | —            | —              | —                    | —             | —                      | 1,994          | 5,720                        | 10            | 5            | 16           |
| Ecuador .....                         | —                        | —            | —            | —              | —                    | —             | —                      | 438            | 64,597                       | 176           | 1            | 177          |
| Equatorial Guinea .....               | —                        | —            | —            | —              | —                    | —             | —                      | —              | 6,881                        | 19            | —            | 19           |
| Gabon .....                           | —                        | —            | —            | —              | —                    | —             | —                      | —              | 1,795                        | 5             | —            | 5            |
| Iran .....                            | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Iraq .....                            | —                        | —            | —            | —              | —                    | —             | —                      | 958            | 190,108                      | 518           | 3            | 521          |
| Kuwait .....                          | —                        | —            | —            | —              | —                    | —             | —                      | 274            | 28,715                       | 78            | 1            | 79           |
| Libya .....                           | —                        | —            | —            | —              | —                    | —             | —                      | 300            | 20,516                       | 55            | 1            | 56           |
| Nigeria .....                         | 231                      | —            | —            | —              | —                    | —             | —                      | 5,029          | 69,086                       | 175           | 14           | 189          |
| Qatar .....                           | —                        | —            | —            | —              | —                    | 3,376         | —                      | 5,899          | 5,899                        | —             | 16           | 16           |
| Saudi Arabia .....                    | —                        | —            | —            | —              | —                    | —             | —                      | 11,137         | 328,736                      | 870           | 31           | 901          |
| United Arab Emirates .....            | —                        | —            | —            | —              | —                    | 911           | —                      | 19,317         | 21,312                       | 5             | 53           | 58           |
| Venezuela .....                       | —                        | —            | —            | —              | 854                  | —             | —                      | 29,362         | 213,895                      | 506           | 80           | 586          |
| <b>Non-OPEC</b> .....                 | <b>5,887</b>             | <b>1,410</b> | <b>1,943</b> | <b>4,175</b>   | <b>13,022</b>        | <b>11,551</b> | <b>97</b>              | <b>682,330</b> | <b>2,575,038</b>             | <b>5,186</b>  | <b>1,869</b> | <b>7,055</b> |
| Argentina .....                       | —                        | 36           | —            | 1,121          | —                    | 54            | —                      | 3,143          | 11,462                       | 23            | 9            | 31           |
| Aruba .....                           | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Australia .....                       | —                        | —            | —            | —              | —                    | —             | —                      | —              | 529                          | 1             | —            | 1            |
| Bahamas .....                         | —                        | —            | —            | —              | —                    | —             | —                      | 1,356          | 1,356                        | —             | 4            | 4            |
| Bahrain .....                         | —                        | —            | —            | —              | —                    | 1,037         | —                      | 1,037          | 1,037                        | —             | 3            | 3            |
| Belgium .....                         | —                        | 8            | —            | —              | 106                  | 153           | 41                     | 25,266         | 25,266                       | —             | 69           | 69           |
| Brazil .....                          | 26                       | 12           | —            | 288            | —                    | —             | —                      | 16,464         | 62,400                       | 126           | 45           | 171          |
| Brunei .....                          | —                        | —            | —            | —              | —                    | —             | —                      | —              | 5,478                        | 15            | —            | 15           |
| Cameroon .....                        | —                        | —            | —            | —              | —                    | —             | —                      | 791            | 1,935                        | 3             | 2            | 5            |
| Canada .....                          | 849                      | 888          | 530          | 872            | 10,896               | 2,788         | 16                     | 213,293        | 1,566,500                    | 3,707         | 584          | 4,292        |
| Chad .....                            | —                        | —            | —            | —              | —                    | —             | —                      | —              | 7,310                        | 20            | —            | 20           |
| China .....                           | —                        | —            | 891          | 318            | 91                   | —             | —                      | 6,169          | 6,169                        | —             | 17           | 17           |
| Colombia .....                        | —                        | —            | —            | 350            | 34                   | —             | —                      | 13,879         | 121,525                      | 295           | 38           | 333          |
| Denmark .....                         | —                        | —            | —            | —              | —                    | —             | —                      | 2,543          | 4,979                        | 7             | 7            | 14           |
| Egypt .....                           | —                        | —            | —            | —              | —                    | —             | —                      | 5,320          | 13,309                       | 22            | 15           | 36           |
| Estonia .....                         | —                        | —            | —            | —              | —                    | —             | —                      | 448            | 448                          | —             | 1            | 1            |
| Finland .....                         | —                        | —            | —            | —              | —                    | 29            | —                      | 5,181          | 5,181                        | —             | 14           | 14           |
| France .....                          | 57                       | 139          | —            | —              | —                    | 160           | —                      | 13,597         | 13,597                       | —             | 37           | 37           |
| Germany .....                         | —                        | —            | 35           | —              | —                    | 179           | —                      | 2,859          | 2,859                        | —             | 8            | 8            |
| Guatemala .....                       | —                        | —            | —            | —              | —                    | —             | —                      | 29             | 2,530                        | 7             | 0            | 7            |
| India .....                           | —                        | —            | —            | —              | —                    | 13            | —                      | 27,113         | 27,113                       | —             | 74           | 74           |
| Indonesia .....                       | —                        | —            | —            | —              | —                    | 995           | —                      | 995            | 15,526                       | 40            | 3            | 43           |
| Italy .....                           | —                        | —            | —            | —              | —                    | 310           | —                      | 8,324          | 8,762                        | 1             | 23           | 24           |
| Korea, South .....                    | 23                       | —            | 8            | —              | 66                   | 4,728         | —                      | 34,264         | 34,264                       | —             | 94           | 94           |
| Latvia .....                          | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Lithuania .....                       | —                        | —            | —            | —              | —                    | —             | —                      | 727            | 727                          | —             | 2            | 2            |
| Malaysia .....                        | —                        | —            | 166          | —              | —                    | 1             | —                      | 865            | 1,453                        | 2             | 2            | 4            |
| Mexico .....                          | 2,574                    | —            | —            | —              | —                    | —             | —                      | 19,840         | 262,613                      | 665           | 54           | 719          |
| Netherlands .....                     | —                        | —            | —            | —              | —                    | 34            | —                      | 22,811         | 22,811                       | —             | 62           | 62           |
| Norway .....                          | —                        | —            | —            | —              | —                    | —             | —                      | 14,919         | 34,426                       | 53            | 41           | 94           |
| Oman .....                            | —                        | —            | —            | 601            | —                    | 66            | —                      | 828            | 828                          | —             | 2            | 2            |
| Portugal .....                        | —                        | —            | —            | —              | —                    | —             | —                      | 10,313         | 10,313                       | —             | 28           | 28           |
| Russia .....                          | —                        | —            | —            | 255            | —                    | 74            | —                      | 110,305        | 137,010                      | 73            | 302          | 375          |
| Spain .....                           | —                        | —            | 14           | —              | 1,521                | 23            | —                      | 19,780         | 19,780                       | —             | 54           | 54           |
| Sweden .....                          | —                        | —            | —            | 8              | —                    | 4             | —                      | 4,859          | 4,859                        | —             | 13           | 13           |
| Syria .....                           | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Trinidad and Tobago .....             | —                        | —            | —            | —              | —                    | —             | —                      | 7,101          | 9,807                        | 7             | 19           | 27           |
| United Kingdom .....                  | 316                      | 8            | —            | 351            | —                    | 214           | 8                      | 32,397         | 53,171                       | 57            | 89           | 146          |
| Vietnam .....                         | —                        | —            | —            | —              | —                    | —             | —                      | —              | 788                          | 2             | —            | 2            |
| Virgin Islands, U.S. ....             | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Yemen .....                           | —                        | —            | —            | —              | —                    | —             | —                      | —              | —                            | —             | —            | —            |
| Other .....                           | 2,042                    | 319          | 299          | 11             | 308                  | 689           | 32                     | 53,520         | 71,197                       | 50            | 149          | 198          |
| <b>Total</b> .....                    | <b>6,445</b>             | <b>1,410</b> | <b>1,943</b> | <b>4,175</b>   | <b>13,876</b>        | <b>15,838</b> | <b>97</b>              | <b>793,551</b> | <b>3,629,042</b>             | <b>7,768</b>  | <b>2,174</b> | <b>9,943</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | —                        | —            | —            | —              | —                    | <b>5,324</b>  | —                      | <b>38,622</b>  | <b>575,807</b>               | <b>1,472</b>  | <b>106</b>   | <b>1,578</b> |

— = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |               |               | Motor Gasoline Blending Components |                |                |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|---------------|---------------|------------------------------------|----------------|----------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional  | Total         | Reformulated                       | Conventional   | Total          |
| <b>OPEC</b> .....                     | <b>158,729</b>           | <b>140</b>          | <b>-</b>         | <b>4,432</b>                 | <b>-</b>                | <b>625</b>    | <b>625</b>    | <b>-</b>                           | <b>16,049</b>  | <b>16,049</b>  |
| Algeria .....                         | 28,735                   | 140                 | -                | 3,779                        | -                       | -             | -             | -                                  | 218            | 218            |
| Angola .....                          | 14,477                   | -                   | -                | 2                            | -                       | -             | -             | -                                  | 1,334          | 1,334          |
| Congo (Brazzaville) .....             | 3,726                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Ecuador .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Equatorial Guinea .....               | 1,001                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Gabon .....                           | 1,397                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Iraq .....                            | 14,398                   | -                   | -                | 398                          | -                       | -             | -             | -                                  | -              | -              |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Libya .....                           | 10,541                   | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Nigeria .....                         | 48,707                   | -                   | -                | 253                          | -                       | -             | -             | -                                  | 3,538          | 3,538          |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Saudi Arabia .....                    | 37,245                   | -                   | -                | -                            | -                       | 625           | 625           | -                                  | 3,058          | 3,058          |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 7,901          | 7,901          |
| <b>Non-OPEC</b> .....                 | <b>152,319</b>           | <b>15,224</b>       | <b>2,043</b>     | <b>10,118</b>                | <b>-</b>                | <b>12,821</b> | <b>12,821</b> | <b>63,584</b>                      | <b>121,147</b> | <b>184,731</b> |
| Argentina .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Belgium .....                         | -                        | -                   | -                | -                            | -                       | 306           | 306           | 1,445                              | 6,563          | 8,008          |
| Brazil .....                          | 1,320                    | -                   | -                | -                            | -                       | -             | -             | -                                  | 5,235          | 5,235          |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Cameroon .....                        | 1,144                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Canada .....                          | 75,774                   | 13,653              | 2,043            | 2,038                        | -                       | 3,864         | 3,864         | 33,458                             | 11,802         | 45,260         |
| Chad .....                            | 3,756                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| China .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Colombia .....                        | 9,591                    | -                   | -                | 259                          | -                       | -             | 103           | -                                  | 5,535          | 5,535          |
| Denmark .....                         | 2,436                    | -                   | -                | 369                          | -                       | -             | -             | 10                                 | 74             | 84             |
| Egypt .....                           | 5,228                    | -                   | -                | -                            | -                       | -             | -             | 96                                 | 334            | 430            |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | 277                                | 3,917          | 4,194          |
| France .....                          | -                        | -                   | -                | 108                          | -                       | 1,874         | 1,874         | 4,253                              | 3,443          | 7,696          |
| Germany .....                         | -                        | -                   | -                | 57                           | -                       | 18            | 18            | 13                                 | 117            | 130            |
| Guatemala .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| India .....                           | -                        | -                   | -                | 125                          | -                       | 267           | 267           | 511                                | 17,574         | 18,085         |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Italy .....                           | -                        | -                   | -                | -                            | -                       | 630           | 630           | 107                                | 2,907          | 3,014          |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 1,366          | 1,366          |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | 323            | 323            |
| Malaysia .....                        | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Mexico .....                          | 3,469                    | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Netherlands .....                     | -                        | -                   | -                | 303                          | -                       | 1,162         | 1,162         | 4,618                              | 7,623          | 12,241         |
| Norway .....                          | 19,507                   | 732                 | -                | 58                           | -                       | 578           | 578           | 1,284                              | 5,477          | 6,761          |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | 1,106         | 1,106         | 1,485                              | 7,463          | 8,948          |
| Russia .....                          | 11,400                   | -                   | -                | 3,429                        | -                       | 241           | 241           | 188                                | 11,639         | 11,827         |
| Spain .....                           | -                        | -                   | -                | 1,031                        | -                       | 275           | 275           | 47                                 | 12,279         | 12,326         |
| Sweden .....                          | -                        | 455                 | -                | 82                           | -                       | 968           | 968           | 30                                 | 1,969          | 1,999          |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Trinidad and Tobago .....             | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| United Kingdom .....                  | 7,477                    | -                   | -                | 435                          | -                       | 1,429         | 1,429         | 15,762                             | 9,622          | 25,384         |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -             | -             | -                                  | -              | -              |
| Other .....                           | 6,094                    | 384                 | 0                | 1,824                        | -                       | 103           | 0             | 0                                  | 5,885          | 5,885          |
| <b>Total</b> .....                    | <b>311,048</b>           | <b>15,364</b>       | <b>2,043</b>     | <b>14,550</b>                | <b>-</b>                | <b>13,446</b> | <b>13,446</b> | <b>63,584</b>                      | <b>137,196</b> | <b>200,780</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | <b>51,643</b>            | <b>-</b>            | <b>-</b>         | <b>398</b>                   | <b>-</b>                | <b>625</b>    | <b>625</b>    | <b>-</b>                           | <b>3,058</b>   | <b>3,058</b>   |

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total  |
|---------------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|
|                                       | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |        |
| <b>OPEC</b> .....                     | -                                  | -                | -               | -                    | -                      | -                     | 8,364                   | -                                     | -               | 100                   | 8,464  |
| Algeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Angola .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Congo (Brazzaville) .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Ecuador .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Equatorial Guinea .....               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Gabon .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Iran .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Iraq .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Kuwait .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Libya .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Nigeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Qatar .....                           | -                                  | -                | -               | -                    | -                      | -                     | 2,523                   | -                                     | -               | -                     | 2,523  |
| Saudi Arabia .....                    | -                                  | -                | -               | -                    | -                      | -                     | 5,809                   | -                                     | -               | -                     | 5,809  |
| United Arab Emirates .....            | -                                  | -                | -               | -                    | -                      | -                     | 32                      | -                                     | -               | -                     | 32     |
| Venezuela .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | 100                   | 100    |
| <b>Non-OPEC</b> .....                 | -                                  | -                | -               | 2,230                | -                      | -                     | 38,761                  | 1,355                                 | 4,292           | 350                   | 44,758 |
| Argentina .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Aruba .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Australia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Bahamas .....                         | -                                  | -                | -               | -                    | -                      | -                     | 542                     | -                                     | 163             | -                     | 705    |
| Bahrain .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Belgium .....                         | -                                  | -                | -               | -                    | -                      | -                     | 605                     | -                                     | -               | -                     | 605    |
| Brazil .....                          | -                                  | -                | -               | -                    | -                      | -                     | 717                     | -                                     | -               | -                     | 717    |
| Brunei .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Cameroon .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Canada .....                          | -                                  | -                | -               | 717                  | -                      | -                     | 24,475                  | 503                                   | 3,793           | -                     | 28,771 |
| Chad .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| China .....                           | -                                  | -                | -               | -                    | -                      | -                     | 1,191                   | -                                     | -               | -                     | 1,191  |
| Colombia .....                        | -                                  | -                | -               | -                    | -                      | -                     | 3,339                   | -                                     | -               | 300                   | 3,639  |
| Denmark .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Egypt .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Estonia .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Finland .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| France .....                          | -                                  | -                | -               | 167                  | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Germany .....                         | -                                  | -                | -               | 1,346                | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Guatemala .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| India .....                           | -                                  | -                | -               | -                    | -                      | -                     | 3,369                   | -                                     | -               | -                     | 3,369  |
| Indonesia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Italy .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Korea, South .....                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Latvia .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Lithuania .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Malaysia .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Mexico .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | 2               | -                     | 2      |
| Netherlands .....                     | -                                  | -                | -               | -                    | -                      | -                     | 508                     | -                                     | -               | -                     | 508    |
| Norway .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Oman .....                            | -                                  | -                | -               | -                    | -                      | -                     | 161                     | -                                     | -               | -                     | 161    |
| Portugal .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Russia .....                          | -                                  | -                | -               | -                    | -                      | -                     | 3,254                   | 852                                   | 316             | -                     | 4,422  |
| Spain .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Sweden .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Syria .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Trinidad and Tobago .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| United Kingdom .....                  | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Vietnam .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Virgin Islands, U.S. ....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Yemen .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Other .....                           | -                                  | -                | -               | 0                    | -                      | -                     | 600                     | 0                                     | 18              | 50                    | 668    |
| <b>Total</b> .....                    | -                                  | -                | -               | 2,230                | -                      | -                     | 47,125                  | 1,355                                 | 4,292           | 450                   | 53,222 |
| <b>Persian Gulf<sup>3</sup></b> ..... | -                                  | -                | -               | -                    | -                      | -                     | 8,364                   | -                                     | -               | -                     | 8,364  |

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Kerosene | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            | Total  |
|---------------------------------------|----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|
|                                       |          |                            |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur |        |
| <b>OPEC</b> .....                     | —        | —                          | —                                     | 2,198                  | —                | 147                     | 229                   | 6,867                      | 7,243  |
| Algeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Angola .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Congo (Brazzaville) .....             | —        | —                          | —                                     | —                      | —                | —                       | 227                   | —                          | 227    |
| Ecuador .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Equatorial Guinea .....               | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Gabon .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iran .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iraq .....                            | —        | —                          | —                                     | 2                      | —                | —                       | —                     | —                          | —      |
| Kuwait .....                          | —        | —                          | —                                     | 165                    | —                | —                       | —                     | —                          | —      |
| Libya .....                           | —        | —                          | —                                     | —                      | —                | 147                     | 2                     | —                          | 149    |
| Nigeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Qatar .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Saudi Arabia .....                    | —        | —                          | —                                     | 133                    | —                | —                       | —                     | —                          | —      |
| United Arab Emirates .....            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Venezuela .....                       | —        | —                          | —                                     | 1,898                  | —                | —                       | —                     | 6,867                      | 6,867  |
| <b>Non-OPEC</b> .....                 | 614      | 31                         | —                                     | 14,718                 | 20               | 547                     | 1,826                 | 23,446                     | 25,819 |
| Argentina .....                       | —        | —                          | —                                     | 6                      | —                | 204                     | 771                   | —                          | 975    |
| Aruba .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Australia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Bahamas .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | 301                        | 301    |
| Bahrain .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Belgium .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Brazil .....                          | —        | —                          | —                                     | —                      | —                | 80                      | 315                   | 268                        | 663    |
| Brunei .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Cameroon .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Canada .....                          | —        | 12                         | —                                     | 6,488                  | 20               | 2                       | 303                   | 11,571                     | 11,876 |
| Chad .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| China .....                           | 153      | —                          | —                                     | 116                    | —                | —                       | —                     | —                          | —      |
| Colombia .....                        | 108      | —                          | —                                     | 61                     | —                | —                       | 302                   | 2,432                      | 2,734  |
| Denmark .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Egypt .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Estonia .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Finland .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| France .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Germany .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Guatemala .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| India .....                           | —        | —                          | —                                     | 2,054                  | —                | —                       | —                     | —                          | —      |
| Indonesia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Italy .....                           | —        | —                          | —                                     | 74                     | —                | —                       | —                     | —                          | —      |
| Korea, South .....                    | 353      | —                          | —                                     | 5,340                  | —                | —                       | —                     | —                          | —      |
| Latvia .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Lithuania .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Malaysia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Mexico .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | 419                        | 419    |
| Netherlands .....                     | —        | 19                         | —                                     | —                      | —                | —                       | —                     | 1,719                      | 1,719  |
| Norway .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Oman .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Portugal .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Russia .....                          | —        | —                          | —                                     | 7                      | —                | —                       | —                     | 260                        | 260    |
| Spain .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | 80                         | 80     |
| Sweden .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | 286                        | 286    |
| Syria .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Trinidad and Tobago .....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | 5,314                      | 5,314  |
| United Kingdom .....                  | —        | —                          | —                                     | —                      | —                | —                       | 10                    | —                          | 10     |
| Vietnam .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Virgin Islands, U.S. ....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Yemen .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Other .....                           | 0        | 0                          | —                                     | 572                    | 0                | 261                     | -102                  | 796                        | 955    |
| <b>Total</b> .....                    | 614      | 31                         | —                                     | 16,916                 | 20               | 694                     | 2,055                 | 30,313                     | 33,062 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —        | —                          | —                                     | 300                    | —                | —                       | —                     | —                          | —      |

See footnotes at end of table.

**Table 27. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Petrochemical Feedstocks |            | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------------|--------------------------|------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                       | Naphtha                  | Other Oils |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b> .....                     | —                        | —          | —     | —              | 854                  | 125        | —                      | 40,130         | 198,859                      | 435           | 110      | 545   |
| Algeria .....                         | —                        | —          | —     | —              | —                    | —          | —                      | 4,137          | 32,872                       | 79            | 11       | 90    |
| Angola .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 1,336          | 15,813                       | 40            | 4        | 43    |
| Congo (Brazzaville) .....             | —                        | —          | —     | —              | —                    | —          | —                      | 227            | 3,953                        | 10            | 1        | 11    |
| Ecuador .....                         | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Equatorial Guinea .....               | —                        | —          | —     | —              | —                    | —          | —                      | —              | 1,001                        | 3             | —        | 3     |
| Gabon .....                           | —                        | —          | —     | —              | —                    | —          | —                      | —              | 1,397                        | 4             | —        | 4     |
| Iran .....                            | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Iraq .....                            | —                        | —          | —     | —              | —                    | —          | —                      | 400            | 14,798                       | 39            | 1        | 41    |
| Kuwait .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 165            | 165                          | —             | 0        | 0     |
| Libya .....                           | —                        | —          | —     | —              | —                    | —          | —                      | 149            | 10,690                       | 29            | 0        | 29    |
| Nigeria .....                         | —                        | —          | —     | —              | —                    | —          | —                      | 3,791          | 52,498                       | 133           | 10       | 144   |
| Qatar .....                           | —                        | —          | —     | —              | —                    | —          | —                      | 2,523          | 2,523                        | —             | 7        | 7     |
| Saudi Arabia .....                    | —                        | —          | —     | —              | —                    | —          | —                      | 9,625          | 46,870                       | 102           | 26       | 128   |
| United Arab Emirates .....            | —                        | —          | —     | —              | —                    | 125        | —                      | 157            | 157                          | —             | 0        | 0     |
| Venezuela .....                       | —                        | —          | —     | —              | 854                  | —          | —                      | 17,620         | 17,620                       | —             | 48       | 48    |
| <b>Non-OPEC</b> .....                 | 18                       | 15         | 934   | 193            | 8,258                | 1,690      | —                      | 324,235        | 476,554                      | 417           | 888      | 1,306 |
| Argentina .....                       | —                        | —          | —     | —              | —                    | 18         | —                      | 999            | 999                          | —             | 3        | 3     |
| Aruba .....                           | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Australia .....                       | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Bahamas .....                         | —                        | —          | —     | —              | —                    | —          | —                      | 1,006          | 1,006                        | —             | 3        | 3     |
| Bahrain .....                         | —                        | —          | —     | —              | —                    | 51         | —                      | 51             | 51                           | —             | 0        | 0     |
| Belgium .....                         | —                        | —          | —     | —              | 106                  | 52         | —                      | 9,077          | 9,077                        | —             | 25       | 25    |
| Brazil .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 6,615          | 7,935                        | 4             | 18       | 22    |
| Brunei .....                          | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Cameroon .....                        | —                        | —          | —     | —              | —                    | —          | —                      | —              | 1,144                        | 3             | —        | 3     |
| Canada .....                          | 9                        | 11         | 484   | 3              | 6,289                | 1,146      | —                      | 122,684        | 198,458                      | 208           | 336      | 544   |
| Chad .....                            | —                        | —          | —     | —              | —                    | —          | —                      | —              | 3,756                        | 10            | —        | 10    |
| China .....                           | —                        | —          | 283   | —              | —                    | —          | —                      | 1,743          | 1,743                        | —             | 5        | 5     |
| Colombia .....                        | —                        | —          | —     | 167            | 34                   | —          | —                      | 12,640         | 22,231                       | 26            | 35       | 61    |
| Denmark .....                         | —                        | —          | —     | —              | —                    | —          | —                      | 453            | 2,889                        | 7             | 1        | 8     |
| Egypt .....                           | —                        | —          | —     | —              | —                    | —          | —                      | 430            | 5,658                        | 14            | 1        | 16    |
| Estonia .....                         | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Finland .....                         | —                        | —          | —     | —              | —                    | 15         | —                      | 4,209          | 4,209                        | —             | 12       | 12    |
| France .....                          | —                        | —          | —     | —              | —                    | 104        | —                      | 9,949          | 9,949                        | —             | 27       | 27    |
| Germany .....                         | —                        | —          | 35    | —              | —                    | 96         | —                      | 1,682          | 1,682                        | —             | 5        | 5     |
| Guatemala .....                       | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| India .....                           | —                        | —          | —     | —              | —                    | 6          | —                      | 23,906         | 23,906                       | —             | 65       | 65    |
| Indonesia .....                       | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Italy .....                           | —                        | —          | —     | —              | —                    | 23         | —                      | 3,741          | 3,741                        | —             | 10       | 10    |
| Korea, South .....                    | —                        | —          | 8     | —              | —                    | 117        | —                      | 7,184          | 7,184                        | —             | 20       | 20    |
| Latvia .....                          | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Lithuania .....                       | —                        | —          | —     | —              | —                    | —          | —                      | 323            | 323                          | —             | 1        | 1     |
| Malaysia .....                        | —                        | —          | 5     | —              | —                    | 1          | —                      | 6              | 6                            | —             | 0        | 0     |
| Mexico .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 421            | 3,890                        | 10            | 1        | 11    |
| Netherlands .....                     | —                        | —          | —     | —              | —                    | 11         | —                      | 15,963         | 15,963                       | —             | 44       | 44    |
| Norway .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 8,129          | 27,636                       | 53            | 22       | 76    |
| Oman .....                            | —                        | —          | —     | —              | —                    | —          | —                      | 161            | 161                          | —             | 0        | 0     |
| Portugal .....                        | —                        | —          | —     | —              | —                    | —          | —                      | 10,054         | 10,054                       | —             | 28       | 28    |
| Russia .....                          | —                        | —          | —     | —              | —                    | 39         | —                      | 20,225         | 31,625                       | 31            | 55       | 87    |
| Spain .....                           | —                        | —          | 14    | —              | 1,521                | —          | —                      | 15,247         | 15,247                       | —             | 42       | 42    |
| Sweden .....                          | —                        | —          | —     | —              | —                    | —          | —                      | 3,790          | 3,790                        | —             | 10       | 10    |
| Syria .....                           | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Trinidad and Tobago .....             | —                        | —          | —     | —              | —                    | —          | —                      | 5,314          | 5,314                        | —             | 15       | 15    |
| United Kingdom .....                  | 9                        | 4          | —     | 12             | —                    | —          | —                      | 27,667         | 35,144                       | 20            | 76       | 96    |
| Vietnam .....                         | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Virgin Islands, U.S. ....             | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Yemen .....                           | —                        | —          | —     | —              | —                    | —          | —                      | —              | —                            | —             | —        | —     |
| Other .....                           | 0                        | 0          | 105   | 11             | 308                  | 11         | —                      | 10,339         | 16,433                       | 17            | 27       | 42    |
| <b>Total</b> .....                    | 18                       | 15         | 934   | 193            | 9,112                | 1,815      | —                      | 364,365        | 675,413                      | 852           | 998      | 1,850 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —                        | —          | —     | —              | —                    | 176        | —                      | 12,921         | 64,564                       | 141           | 35       | 177   |

— = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |       | Motor Gasoline Blending Components |              |              |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|-------|------------------------------------|--------------|--------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total | Reformulated                       | Conventional | Total        |
| <b>OPEC</b> .....                     | <b>400</b>               | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Algeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Angola .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Ecuador .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Equatorial Guinea .....               | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Iraq .....                            | 400                      | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Libya .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Nigeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Saudi Arabia .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| <b>Non-OPEC</b> .....                 | <b>907,838</b>           | <b>27,135</b>       | <b>5,016</b>     | <b>723</b>                   | -                       | -            | -     | <b>64</b>                          | <b>5,247</b> | <b>5,311</b> |
| Argentina .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Bahamas .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Bahrain .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Belgium .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Brazil .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | 22           | 22           |
| Brunei .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Cameroon .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Canada .....                          | 903,077                  | 27,135              | 5,016            | 723                          | -                       | -            | -     | 64                                 | 5,225        | 5,289        |
| Chad .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| China .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Colombia .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Denmark .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Egypt .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Estonia .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| France .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Germany .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Guatemala .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| India .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Indonesia .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Italy .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Korea, South .....                    | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Latvia .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Lithuania .....                       | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Malaysia .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Mexico .....                          | 4,761                    | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Netherlands .....                     | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Norway .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Portugal .....                        | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Russia .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Spain .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Sweden .....                          | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Syria .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Trinidad and Tobago .....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| United Kingdom .....                  | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Vietnam .....                         | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Virgin Islands, U.S. ....             | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Yemen .....                           | -                        | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |
| Other .....                           | 0                        | 0                   | 0                | 0                            | -                       | -            | -     | 0                                  | 0            | 0            |
| <b>Total</b> .....                    | <b>908,238</b>           | <b>27,135</b>       | <b>5,016</b>     | <b>723</b>                   | -                       | -            | -     | <b>64</b>                          | <b>5,247</b> | <b>5,311</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | <b>400</b>               | -                   | -                | -                            | -                       | -            | -     | -                                  | -            | -            |

See footnotes at end of table.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total |
|---------------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|
|                                       | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |       |
| <b>OPEC</b> .....                     | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Algeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Angola .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Congo (Brazzaville) .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Ecuador .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Equatorial Guinea .....               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Gabon .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iran .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iraq .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Kuwait .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Libya .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Nigeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Qatar .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Saudi Arabia .....                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Arab Emirates .....            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Venezuela .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| <b>Non-OPEC</b> .....                 | -                                  | -                | -               | 758                  | -                      | -                     | 2,045                   | -                                     | 758             | 134                   | 2,937 |
| Argentina .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Aruba .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Australia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Bahamas .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Bahrain .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Belgium .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brazil .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brunei .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Cameroon .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Canada .....                          | -                                  | -                | -               | 758                  | -                      | -                     | 2,045                   | -                                     | 758             | 134                   | 2,937 |
| Chad .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| China .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Colombia .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Denmark .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Egypt .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Estonia .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Finland .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| France .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Germany .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Guatemala .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| India .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Indonesia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Italy .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Korea, South .....                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Latvia .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Lithuania .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Malaysia .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Mexico .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Netherlands .....                     | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Norway .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Oman .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Portugal .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Russia .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Spain .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Sweden .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Syria .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Trinidad and Tobago .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Kingdom .....                  | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Vietnam .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Virgin Islands, U.S. ....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Yemen .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Other .....                           | -                                  | -                | -               | 0                    | -                      | -                     | 0                       | -                                     | 0               | 0                     | 0     |
| <b>Total</b> .....                    | -                                  | -                | -               | 758                  | -                      | -                     | 2,045                   | -                                     | 758             | 134                   | 2,937 |
| <b>Persian Gulf<sup>3</sup></b> ..... | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |

See footnotes at end of table.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Kerosene | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            | Total        |
|---------------------------------------|----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------------|
|                                       |          |                            |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur |              |
| <b>OPEC</b> .....                     | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Algeria .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Angola .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Congo (Brazzaville) .....             | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Ecuador .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Equatorial Guinea .....               | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Gabon .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Iran .....                            | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Iraq .....                            | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Kuwait .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Libya .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Nigeria .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Qatar .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Saudi Arabia .....                    | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| United Arab Emirates .....            | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Venezuela .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| <b>Non-OPEC</b> .....                 | <b>2</b> | <b>30</b>                  | -                                     | -                      | <b>135</b>       | <b>1</b>                | <b>409</b>            | <b>941</b>                 | <b>1,351</b> |
| Argentina .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Aruba .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Australia .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Bahamas .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Bahrain .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Belgium .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Brazil .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Brunei .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Cameroon .....                        | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Canada .....                          | 2        | 30                         | -                                     | -                      | 135              | 1                       | 409                   | 941                        | 1,351        |
| Chad .....                            | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| China .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Colombia .....                        | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Denmark .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Egypt .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Estonia .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Finland .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| France .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Germany .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Guatemala .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| India .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Indonesia .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Italy .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Korea, South .....                    | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Latvia .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Lithuania .....                       | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Malaysia .....                        | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Mexico .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Netherlands .....                     | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Norway .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Oman .....                            | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Portugal .....                        | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Russia .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Spain .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Sweden .....                          | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Syria .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Trinidad and Tobago .....             | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| United Kingdom .....                  | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Vietnam .....                         | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Virgin Islands, U.S. ....             | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Yemen .....                           | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |
| Other .....                           | 0        | 0                          | -                                     | -                      | 0                | 0                       | 0                     | 0                          | 0            |
| <b>Total</b> .....                    | <b>2</b> | <b>30</b>                  | -                                     | -                      | <b>135</b>       | <b>1</b>                | <b>409</b>            | <b>941</b>                 | <b>1,351</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | -        | -                          | -                                     | -                      | -                | -                       | -                     | -                          | -            |

See footnotes at end of table.

**Table 28. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Petrochemical Feedstocks |            | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|---------------------------------------|--------------------------|------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|                                       | Naphtha                  | Other Oils |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>OPEC</b> .....                     | -                        | -          | -     | -              | -                    | 8          | -                      | 8              | 408                          | 1             | 0        | 1     |
| Algeria .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Angola .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Congo (Brazzaville) .....             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Ecuador .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Equatorial Guinea .....               | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Gabon .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iran .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iraq .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | 400                          | 1             | -        | 1     |
| Kuwait .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Libya .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Nigeria .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Qatar .....                           | -                        | -          | -     | -              | -                    | 8          | -                      | 8              | 8                            | -             | 0        | 0     |
| Saudi Arabia .....                    | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| United Arab Emirates .....            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Venezuela .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| <b>Non-OPEC</b> .....                 | 840                      | 877        | 46    | 309            | 3,213                | 1,528      | 4                      | 50,241         | 958,079                      | 2,487         | 138      | 2,625 |
| Argentina .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Aruba .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Australia .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Bahamas .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Bahrain .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Belgium .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Brazil .....                          | -                        | -          | -     | -              | -                    | -          | -                      | 22             | 22                           | -             | 0        | 0     |
| Brunei .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Cameroon .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Canada .....                          | 840                      | 877        | 46    | 301            | 3,213                | 1,524      | 4                      | 50,207         | 953,284                      | 2,474         | 138      | 2,612 |
| Chad .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| China .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Colombia .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Denmark .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Egypt .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Estonia .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Finland .....                         | -                        | -          | -     | -              | -                    | 1          | -                      | 1              | 1                            | -             | 0        | 0     |
| France .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Germany .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Guatemala .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| India .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Indonesia .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Italy .....                           | -                        | -          | -     | -              | -                    | 1          | -                      | 1              | 1                            | -             | 0        | 0     |
| Korea, South .....                    | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Latvia .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Lithuania .....                       | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Malaysia .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Mexico .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | 4,761                        | 13            | -        | 13    |
| Netherlands .....                     | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Norway .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Oman .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Portugal .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Russia .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Spain .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Sweden .....                          | -                        | -          | -     | 8              | -                    | -          | -                      | 8              | 8                            | -             | 0        | 0     |
| Syria .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Trinidad and Tobago .....             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| United Kingdom .....                  | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Vietnam .....                         | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Virgin Islands, U.S. ....             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Yemen .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Other .....                           | 0                        | 0          | 0     | 0              | 0                    | 2          | 0                      | 2              | 2                            | 0             | 0        | 0     |
| <b>Total</b> .....                    | 840                      | 877        | 46    | 309            | 3,213                | 1,536      | 4                      | 50,249         | 958,487                      | 2,488         | 138      | 2,626 |
| <b>Persian Gulf<sup>3</sup></b> ..... | -                        | -          | -     | -              | -                    | 8          | -                      | 8              | 408                          | 1             | 0        | 1     |

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |            | Motor Gasoline Blending Components |               |               |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|------------|------------------------------------|---------------|---------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total      | Reformulated                       | Conventional  | Total         |
| <b>OPEC</b> .....                     | <b>512,972</b>           | —                   | —                | <b>44,556</b>                | —                       | —            | —          | —                                  | <b>862</b>    | <b>862</b>    |
| Algeria .....                         | —                        | —                   | —                | 23,422                       | —                       | —            | —          | —                                  | 318           | 318           |
| Angola .....                          | 6,967                    | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Congo (Brazzaville) .....             | —                        | —                   | —                | 1,767                        | —                       | —            | —          | —                                  | —             | —             |
| Ecuador .....                         | 12,015                   | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Equatorial Guinea .....               | 1,943                    | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Gabon .....                           | 398                      | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Iran .....                            | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Iraq .....                            | 144,524                  | —                   | —                | 452                          | —                       | —            | —          | —                                  | —             | —             |
| Kuwait .....                          | 13,377                   | —                   | —                | 109                          | —                       | —            | —          | —                                  | —             | —             |
| Libya .....                           | 598                      | —                   | —                | 151                          | —                       | —            | —          | —                                  | —             | —             |
| Nigeria .....                         | 10,465                   | —                   | —                | 464                          | —                       | —            | —          | —                                  | 89            | 89            |
| Qatar .....                           | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Saudi Arabia .....                    | 141,071                  | —                   | —                | 1,428                        | —                       | —            | —          | —                                  | —             | —             |
| United Arab Emirates .....            | —                        | —                   | —                | 15,708                       | —                       | —            | —          | —                                  | —             | —             |
| Venezuela .....                       | 181,614                  | —                   | —                | 1,565                        | —                       | —            | —          | —                                  | 455           | 455           |
| <b>Non-OPEC</b> .....                 | <b>504,349</b>           | <b>1</b>            | <b>1,528</b>     | <b>131,611</b>               | —                       | <b>838</b>   | <b>838</b> | —                                  | <b>19,737</b> | <b>19,737</b> |
| Argentina .....                       | 2,867                    | —                   | —                | 13                           | —                       | —            | —          | —                                  | 731           | 731           |
| Aruba .....                           | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Australia .....                       | 529                      | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Bahamas .....                         | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Bahrain .....                         | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Belgium .....                         | —                        | —                   | —                | 15,239                       | —                       | —            | —          | —                                  | 41            | 41            |
| Brazil .....                          | 19,887                   | —                   | —                | 3,515                        | —                       | —            | —          | —                                  | 2,255         | 2,255         |
| Brunei .....                          | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Cameroon .....                        | —                        | —                   | —                | 791                          | —                       | —            | —          | —                                  | —             | —             |
| Canada .....                          | 180,246                  | 1                   | —                | 2,916                        | —                       | —            | —          | —                                  | —             | —             |
| Chad .....                            | 3,554                    | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| China .....                           | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Colombia .....                        | 53,880                   | —                   | —                | 216                          | —                       | —            | —          | —                                  | 254           | 254           |
| Denmark .....                         | —                        | —                   | —                | 1,577                        | —                       | —            | —          | —                                  | 60            | 60            |
| Egypt .....                           | 2,761                    | —                   | —                | 4,534                        | —                       | —            | —          | —                                  | 356           | 356           |
| Estonia .....                         | —                        | —                   | —                | 90                           | —                       | —            | —          | —                                  | —             | —             |
| Finland .....                         | —                        | —                   | —                | 612                          | —                       | —            | —          | —                                  | 346           | 346           |
| France .....                          | —                        | —                   | 37               | 2,081                        | —                       | 242          | 242        | —                                  | 575           | 575           |
| Germany .....                         | —                        | —                   | —                | 617                          | —                       | —            | —          | —                                  | 119           | 119           |
| Guatemala .....                       | 2,501                    | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| India .....                           | —                        | —                   | —                | 802                          | —                       | —            | —          | —                                  | 1,937         | 1,937         |
| Indonesia .....                       | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Italy .....                           | 438                      | —                   | —                | 3,419                        | —                       | —            | —          | —                                  | 358           | 358           |
| Korea, South .....                    | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | 266           | 266           |
| Latvia .....                          | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Lithuania .....                       | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | 307           | 307           |
| Malaysia .....                        | —                        | —                   | —                | 120                          | —                       | —            | —          | —                                  | —             | —             |
| Mexico .....                          | 216,855                  | —                   | 345              | 398                          | —                       | —            | —          | —                                  | 2,273         | 2,273         |
| Netherlands .....                     | —                        | —                   | —                | 3,520                        | —                       | 1            | 1          | —                                  | 816           | 816           |
| Norway .....                          | —                        | —                   | —                | 6,329                        | —                       | —            | —          | —                                  | 349           | 349           |
| Oman .....                            | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Portugal .....                        | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | 206           | 206           |
| Russia .....                          | 718                      | —                   | —                | 69,439                       | —                       | —            | —          | —                                  | 509           | 509           |
| Spain .....                           | —                        | —                   | —                | 1,726                        | —                       | 110          | 110        | —                                  | 1,894         | 1,894         |
| Sweden .....                          | —                        | —                   | —                | 304                          | —                       | 54           | 54         | —                                  | 419           | 419           |
| Syria .....                           | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Trinidad and Tobago .....             | 2,155                    | —                   | —                | 348                          | —                       | —            | —          | —                                  | —             | —             |
| United Kingdom .....                  | 12,508                   | —                   | —                | 2,348                        | —                       | —            | —          | —                                  | 1,088         | 1,088         |
| Vietnam .....                         | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Virgin Islands, U.S. ....             | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Yemen .....                           | —                        | —                   | —                | —                            | —                       | —            | —          | —                                  | —             | —             |
| Other .....                           | 5,052                    | 0                   | 1,146            | 8,890                        | —                       | 431          | 431        | —                                  | 4,578         | 4,578         |
| <b>Total</b> .....                    | <b>1,017,321</b>         | <b>1</b>            | <b>1,528</b>     | <b>176,167</b>               | —                       | <b>838</b>   | <b>838</b> | —                                  | <b>20,599</b> | <b>20,599</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | <b>298,972</b>           | —                   | —                | <b>17,697</b>                | —                       | —            | —          | —                                  | —             | —             |

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total |
|---------------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|
|                                       | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |       |
| <b>OPEC</b> .....                     | -                                  | -                | -               | -                    | -                      | -                     | 1,404                   | -                                     | 140             | -                     | 1,544 |
| Algeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Angola .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Congo (Brazzaville) .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Ecuador .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Equatorial Guinea .....               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Gabon .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iran .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iraq .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Kuwait .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Libya .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Nigeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | 140             | -                     | 140   |
| Qatar .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Saudi Arabia .....                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Arab Emirates .....            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Venezuela .....                       | -                                  | -                | -               | -                    | -                      | -                     | 1,404                   | -                                     | -               | -                     | 1,404 |
| <b>Non-OPEC</b> .....                 | 1,672                              | 1,852            | -               | 555                  | -                      | -                     | 360                     | -                                     | 541             | 241                   | 1,142 |
| Argentina .....                       | 132                                | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Aruba .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Australia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Bahamas .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Bahrain .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Belgium .....                         | 52                                 | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brazil .....                          | 719                                | 1,228            | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brunei .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Cameroon .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Canada .....                          | -                                  | -                | -               | 142                  | -                      | -                     | 51                      | -                                     | 77              | -                     | 128   |
| Chad .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| China .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Colombia .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Denmark .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Egypt .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Estonia .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Finland .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| France .....                          | -                                  | -                | -               | 214                  | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Germany .....                         | 87                                 | -                | -               | 142                  | -                      | -                     | -                       | -                                     | -               | -                     | 5     |
| Guatemala .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| India .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Indonesia .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Italy .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Korea, South .....                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Latvia .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Lithuania .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Malaysia .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Mexico .....                          | -                                  | -                | -               | -                    | -                      | -                     | 293                     | -                                     | 277             | -                     | 570   |
| Netherlands .....                     | 337                                | 624              | -               | -                    | -                      | -                     | 16                      | -                                     | -               | -                     | 85    |
| Norway .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Oman .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Portugal .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Russia .....                          | 345                                | -                | -               | -                    | -                      | -                     | -                       | -                                     | 187             | 167                   | 354   |
| Spain .....                           | -                                  | -                | -               | 57                   | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Sweden .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Syria .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Trinidad and Tobago .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Kingdom .....                  | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Vietnam .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Virgin Islands, U.S. ....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Yemen .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Other .....                           | 0                                  | 0                | -               | 0                    | -                      | -                     | 0                       | -                                     | 0               | 74                    | 0     |
| <b>Total</b> .....                    | 1,672                              | 1,852            | -               | 555                  | -                      | -                     | 1,764                   | -                                     | 681             | 241                   | 2,686 |
| <b>Persian Gulf<sup>3</sup></b> ..... | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Kerosene | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            | Total  |
|---------------------------------------|----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|
|                                       |          |                            |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur |        |
| <b>OPEC</b> .....                     | —        | —                          | —                                     | 18                     | 84               | 3,732                   | —                     | 3,928                      | 7,660  |
| Algeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Angola .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Congo (Brazzaville) .....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Ecuador .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Equatorial Guinea .....               | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Gabon .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iran .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iraq .....                            | —        | —                          | —                                     | 10                     | —                | —                       | —                     | —                          | —      |
| Kuwait .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Libya .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Nigeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Qatar .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Saudi Arabia .....                    | —        | —                          | —                                     | —                      | 84               | —                       | —                     | —                          | —      |
| United Arab Emirates .....            | —        | —                          | —                                     | —                      | —                | —                       | —                     | 43                         | 43     |
| Venezuela .....                       | —        | —                          | —                                     | 8                      | —                | 3,732                   | —                     | 3,885                      | 7,617  |
| <b>Non-OPEC</b> .....                 | —        | —                          | —                                     | 10                     | 4,449            | 4,145                   | 2,226                 | 16,710                     | 23,081 |
| Argentina .....                       | —        | —                          | —                                     | —                      | —                | 4                       | —                     | 1                          | 5      |
| Aruba .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Australia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Bahamas .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Bahrain .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Belgium .....                         | —        | —                          | —                                     | —                      | 71               | 78                      | 50                    | —                          | 128    |
| Brazil .....                          | —        | —                          | —                                     | —                      | 219              | —                       | 280                   | —                          | 280    |
| Brunei .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Cameroon .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Canada .....                          | —        | —                          | —                                     | —                      | 701              | 676                     | —                     | 1,384                      | 2,060  |
| Chad .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| China .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Colombia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | 289                        | 289    |
| Denmark .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Egypt .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Estonia .....                         | —        | —                          | —                                     | —                      | —                | 32                      | —                     | 326                        | 358    |
| Finland .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| France .....                          | —        | —                          | —                                     | —                      | 107              | 123                     | —                     | —                          | 123    |
| Germany .....                         | —        | —                          | —                                     | —                      | 24               | —                       | —                     | —                          | —      |
| Guatemala .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| India .....                           | —        | —                          | —                                     | —                      | 84               | —                       | —                     | —                          | —      |
| Indonesia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Italy .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Korea, South .....                    | —        | —                          | —                                     | —                      | 2,042            | —                       | —                     | —                          | —      |
| Latvia .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Lithuania .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | 97                         | 97     |
| Malaysia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | 75                         | 75     |
| Mexico .....                          | —        | —                          | —                                     | 10                     | 37               | 525                     | 302                   | 9,253                      | 10,080 |
| Netherlands .....                     | —        | —                          | —                                     | —                      | 3                | 57                      | —                     | —                          | 57     |
| Norway .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Oman .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Portugal .....                        | —        | —                          | —                                     | —                      | 53               | —                       | —                     | —                          | —      |
| Russia .....                          | —        | —                          | —                                     | —                      | —                | 1,749                   | —                     | 3,811                      | 5,560  |
| Spain .....                           | —        | —                          | —                                     | —                      | —                | —                       | 263                   | —                          | 263    |
| Sweden .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Syria .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Trinidad and Tobago .....             | —        | —                          | —                                     | —                      | —                | 85                      | —                     | 967                        | 1,052  |
| United Kingdom .....                  | —        | —                          | —                                     | —                      | —                | 38                      | —                     | —                          | 38     |
| Vietnam .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Virgin Islands, U.S. ....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Yemen .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Other .....                           | —        | —                          | —                                     | 0                      | 1,108            | 778                     | 1,331                 | 507                        | 2,616  |
| <b>Total</b> .....                    | —        | —                          | —                                     | 28                     | 4,533            | 7,877                   | 2,226                 | 20,638                     | 30,741 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —        | —                          | —                                     | 10                     | 84               | —                       | —                     | 43                         | 43     |

See footnotes at end of table.

**Table 29. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Petrochemical Feedstocks |            | Waxes      | Petroleum Coke | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |            |              |
|---------------------------------------|--------------------------|------------|------------|----------------|----------------------|---------------|------------------------|----------------|------------------------------|---------------|------------|--------------|
|                                       | Naphtha                  | Other Oils |            |                |                      |               |                        |                |                              | Crude Oil     | Products   | Total        |
| <b>OPEC</b> .....                     | <b>558</b>               | —          | —          | —              | —                    | <b>4,154</b>  | —                      | <b>59,436</b>  | <b>572,408</b>               | <b>1,405</b>  | <b>163</b> | <b>1,568</b> |
| Algeria .....                         | 327                      | —          | —          | —              | —                    | —             | —                      | 24,067         | 24,067                       | —             | 66         | 66           |
| Angola .....                          | —                        | —          | —          | —              | —                    | —             | —                      | —              | 6,967                        | 19            | —          | 19           |
| Congo (Brazzaville) .....             | —                        | —          | —          | —              | —                    | —             | —                      | 1,767          | 1,767                        | —             | 5          | 5            |
| Ecuador .....                         | —                        | —          | —          | —              | —                    | —             | —                      | —              | 12,015                       | 33            | —          | 33           |
| Equatorial Guinea .....               | —                        | —          | —          | —              | —                    | —             | —                      | —              | 1,943                        | 5             | —          | 5            |
| Gabon .....                           | —                        | —          | —          | —              | —                    | —             | —                      | —              | 398                          | 1             | —          | 1            |
| Iran .....                            | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Iraq .....                            | —                        | —          | —          | —              | —                    | —             | —                      | 462            | 144,986                      | 396           | 1          | 397          |
| Kuwait .....                          | —                        | —          | —          | —              | —                    | —             | —                      | 109            | 13,486                       | 37            | 0          | 37           |
| Libya .....                           | —                        | —          | —          | —              | —                    | —             | —                      | 151            | 749                          | 2             | 0          | 2            |
| Nigeria .....                         | 231                      | —          | —          | —              | —                    | —             | —                      | 924            | 11,389                       | 29            | 3          | 31           |
| Qatar .....                           | —                        | —          | —          | —              | —                    | 3,368         | —                      | 3,368          | 3,368                        | —             | 9          | 9            |
| Saudi Arabia .....                    | —                        | —          | —          | —              | —                    | —             | —                      | 1,512          | 142,583                      | 386           | 4          | 391          |
| United Arab Emirates .....            | —                        | —          | —          | —              | —                    | 786           | —                      | 16,537         | 16,537                       | —             | 45         | 45           |
| Venezuela .....                       | —                        | —          | —          | —              | —                    | —             | —                      | 11,049         | 192,663                      | 498           | 30         | 528          |
| <b>Non-OPEC</b> .....                 | <b>4,651</b>             | <b>518</b> | <b>451</b> | <b>3,348</b>   | —                    | <b>8,161</b>  | <b>81</b>              | <b>203,735</b> | <b>708,084</b>               | <b>1,382</b>  | <b>558</b> | <b>1,940</b> |
| Argentina .....                       | —                        | 36         | —          | 1,121          | —                    | 36            | —                      | 2,074          | 4,941                        | 8             | 6          | 14           |
| Aruba .....                           | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Australia .....                       | —                        | —          | —          | —              | —                    | —             | —                      | —              | 529                          | 1             | —          | 1            |
| Bahamas .....                         | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Bahrain .....                         | —                        | —          | —          | —              | —                    | 986           | —                      | 986            | 986                          | —             | 3          | 3            |
| Belgium .....                         | —                        | 8          | —          | —              | —                    | 101           | 41                     | 15,683         | 15,683                       | —             | 43         | 43           |
| Brazil .....                          | 26                       | 12         | —          | 288            | —                    | —             | —                      | 8,542          | 28,429                       | 54            | 23         | 78           |
| Brunei .....                          | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Cameroon .....                        | —                        | —          | —          | —              | —                    | —             | —                      | 791            | 791                          | —             | 2          | 2            |
| Canada .....                          | —                        | —          | —          | 243            | —                    | 15            | —                      | 6,206          | 186,452                      | 494           | 17         | 511          |
| Chad .....                            | —                        | —          | —          | —              | —                    | —             | —                      | —              | 3,554                        | 10            | —          | 10           |
| China .....                           | —                        | —          | 180        | 318            | —                    | —             | —                      | 498            | 498                          | —             | 1          | 1            |
| Colombia .....                        | —                        | —          | —          | 183            | —                    | —             | —                      | 942            | 54,822                       | 148           | 3          | 150          |
| Denmark .....                         | —                        | —          | —          | —              | —                    | —             | —                      | 1,637          | 1,637                        | —             | 4          | 4            |
| Egypt .....                           | —                        | —          | —          | —              | —                    | —             | —                      | 4,890          | 7,651                        | 8             | 13         | 21           |
| Estonia .....                         | —                        | —          | —          | —              | —                    | —             | —                      | 448            | 448                          | —             | 1          | 1            |
| Finland .....                         | —                        | —          | —          | —              | —                    | 13            | —                      | 971            | 971                          | —             | 3          | 3            |
| France .....                          | 57                       | 139        | —          | —              | —                    | 56            | —                      | 3,631          | 3,631                        | —             | 10         | 10           |
| Germany .....                         | —                        | —          | —          | —              | —                    | 83            | —                      | 1,081          | 1,081                        | —             | 3          | 3            |
| Guatemala .....                       | —                        | —          | —          | —              | —                    | —             | —                      | —              | 2,501                        | 7             | —          | 7            |
| India .....                           | —                        | —          | —          | —              | —                    | 7             | —                      | 2,830          | 2,830                        | —             | 8          | 8            |
| Indonesia .....                       | —                        | —          | —          | —              | —                    | 995           | —                      | 995            | 995                          | —             | 3          | 3            |
| Italy .....                           | —                        | —          | —          | —              | —                    | 286           | —                      | 4,070          | 4,508                        | 1             | 11         | 12           |
| Korea, South .....                    | 23                       | —          | —          | —              | —                    | 4,542         | —                      | 6,873          | 6,873                        | —             | 19         | 19           |
| Latvia .....                          | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Lithuania .....                       | —                        | —          | —          | —              | —                    | —             | —                      | 404            | 404                          | —             | 1          | 1            |
| Malaysia .....                        | —                        | —          | 157        | —              | —                    | —             | —                      | 352            | 352                          | —             | 1          | 1            |
| Mexico .....                          | 2,574                    | —          | —          | —              | —                    | —             | —                      | 16,287         | 233,142                      | 594           | 45         | 639          |
| Netherlands .....                     | —                        | —          | —          | —              | —                    | 23            | —                      | 5,466          | 5,466                        | —             | 15         | 15           |
| Norway .....                          | —                        | —          | —          | —              | —                    | —             | —                      | 6,678          | 6,678                        | —             | 18         | 18           |
| Oman .....                            | —                        | —          | —          | 601            | —                    | 66            | —                      | 667            | 667                          | —             | 2          | 2            |
| Portugal .....                        | —                        | —          | —          | —              | —                    | —             | —                      | 259            | 259                          | —             | 1          | 1            |
| Russia .....                          | —                        | —          | —          | 255            | —                    | 35            | —                      | 76,497         | 77,215                       | 2             | 210        | 212          |
| Spain .....                           | —                        | —          | —          | —              | —                    | 23            | —                      | 4,073          | 4,073                        | —             | 11         | 11           |
| Sweden .....                          | —                        | —          | —          | —              | —                    | 4             | —                      | 781            | 781                          | —             | 2          | 2            |
| Syria .....                           | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Trinidad and Tobago .....             | —                        | —          | —          | —              | —                    | —             | —                      | 1,400          | 3,555                        | 6             | 4          | 10           |
| United Kingdom .....                  | 307                      | 4          | —          | 339            | —                    | 214           | 8                      | 4,346          | 16,854                       | 34            | 12         | 46           |
| Vietnam .....                         | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Virgin Islands, U.S. ....             | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Yemen .....                           | —                        | —          | —          | —              | —                    | —             | —                      | —              | —                            | —             | —          | —            |
| Other .....                           | 1,664                    | 319        | 114        | 0              | —                    | 676           | 32                     | 21,610         | 26,662                       | 14            | 58         | 72           |
| <b>Total</b> .....                    | <b>5,209</b>             | <b>518</b> | <b>451</b> | <b>3,348</b>   | —                    | <b>12,315</b> | <b>81</b>              | <b>263,171</b> | <b>1,280,492</b>             | <b>2,787</b>  | <b>721</b> | <b>3,508</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | —                        | —          | —          | —              | —                    | 5,140         | —                      | 22,974         | 321,946                      | 819           | 63         | 882          |

— = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

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

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels)

| Country of Origin                     | Crude Oil <sup>1,2</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils <sup>1</sup> | Finished Motor Gasoline |              |              | Motor Gasoline Blending Components |              |              |
|---------------------------------------|--------------------------|---------------------|------------------|------------------------------|-------------------------|--------------|--------------|------------------------------------|--------------|--------------|
|                                       |                          |                     |                  |                              | Reformulated            | Conventional | Total        | Reformulated                       | Conventional | Total        |
| <b>PAD District 4</b>                 |                          |                     |                  |                              |                         |              |              |                                    |              |              |
| <b>OPEC</b> .....                     | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Algeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Angola .....                          | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Ecuador .....                         | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Equatorial Guinea .....               | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Iraq .....                            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Kuwait .....                          | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Libya .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Nigeria .....                         | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Saudi Arabia .....                    | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| United Arab Emirates .....            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Venezuela .....                       | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| <b>Non-OPEC</b> .....                 | <b>111,103</b>           | <b>4,517</b>        | -                | <b>32</b>                    | -                       | -            | -            | -                                  | <b>917</b>   | <b>917</b>   |
| Canada .....                          | 111,103                  | 4,517               | -                | 32                           | -                       | -            | -            | -                                  | 917          | 917          |
| Other .....                           | 0                        | 0                   | -                | 0                            | -                       | -            | -            | -                                  | 0            | 0            |
| <b>Total</b> .....                    | <b>111,103</b>           | <b>4,517</b>        | -                | <b>32</b>                    | -                       | -            | -            | -                                  | <b>917</b>   | <b>917</b>   |
| <b>PAD District 5</b>                 |                          |                     |                  |                              |                         |              |              |                                    |              |              |
| <b>OPEC</b> .....                     | <b>270,682</b>           | -                   | -                | <b>10,192</b>                | -                       | -            | -            | -                                  | <b>228</b>   | <b>228</b>   |
| Algeria .....                         | -                        | -                   | -                | 7,483                        | -                       | -            | -            | -                                  | -            | -            |
| Angola .....                          | 11,550                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Congo (Brazzaville) .....             | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Ecuador .....                         | 52,144                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Equatorial Guinea .....               | 7,874                    | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Gabon .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Iran .....                            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Iraq .....                            | 29,828                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Kuwait .....                          | 15,064                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Libya .....                           | 9,077                    | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Nigeria .....                         | 4,885                    | -                   | -                | 86                           | -                       | -            | -            | -                                  | 228          | 228          |
| Qatar .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Saudi Arabia .....                    | 139,283                  | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| United Arab Emirates .....            | 1,995                    | -                   | -                | 2,623                        | -                       | -            | -            | -                                  | -            | -            |
| Venezuela .....                       | 2,919                    | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| <b>Non-OPEC</b> .....                 | <b>217,099</b>           | <b>16,346</b>       | <b>3</b>         | <b>21,317</b>                | -                       | <b>2,059</b> | <b>2,059</b> | <b>972</b>                         | <b>5,034</b> | <b>6,006</b> |
| Argentina .....                       | 5,452                    | 70                  | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Aruba .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Australia .....                       | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Brazil .....                          | 24,729                   | -                   | -                | 20                           | -                       | -            | -            | -                                  | -            | -            |
| Brunei .....                          | 5,478                    | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Canada .....                          | 83,007                   | 15,609              | 3                | 1,953                        | -                       | 556          | 556          | 21                                 | 1,482        | 1,503        |
| China .....                           | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | 157          | 157          |
| Colombia .....                        | 44,175                   | -                   | -                | -                            | -                       | -            | -            | -                                  | 297          | 297          |
| Finland .....                         | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Germany .....                         | -                        | -                   | -                | 96                           | -                       | -            | -            | -                                  | -            | -            |
| Indonesia .....                       | 14,531                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Japan .....                           | -                        | -                   | -                | -                            | -                       | 96           | 96           | -                                  | 675          | 675          |
| Korea, South .....                    | -                        | 56                  | -                | 120                          | -                       | 622          | 622          | -                                  | 655          | 655          |
| Malaysia .....                        | 588                      | -                   | -                | 262                          | -                       | -            | -            | -                                  | -            | -            |
| Mexico .....                          | 17,688                   | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Netherlands .....                     | -                        | -                   | -                | 233                          | -                       | 48           | 48           | 438                                | 313          | 751          |
| Oman .....                            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Papua New Guinea .....                | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Peru .....                            | 262                      | 56                  | -                | 1,307                        | -                       | -            | -            | -                                  | -            | -            |
| Singapore .....                       | -                        | -                   | -                | 612                          | -                       | -            | -            | -                                  | 503          | 503          |
| Sweden .....                          | -                        | -                   | -                | 233                          | -                       | -            | -            | 47                                 | -            | 47           |
| Taiwan .....                          | -                        | -                   | -                | -                            | -                       | 3            | 3            | -                                  | 725          | 725          |
| United Kingdom .....                  | 789                      | -                   | -                | -                            | -                       | 65           | 65           | 319                                | -            | 319          |
| Vietnam .....                         | 788                      | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Virgin Islands, U.S. .....            | -                        | -                   | -                | -                            | -                       | -            | -            | -                                  | -            | -            |
| Other .....                           | 19,612                   | 555                 | 0                | 16,481                       | -                       | 669          | 669          | 147                                | 227          | 374          |
| <b>Total</b> .....                    | <b>487,781</b>           | <b>16,346</b>       | <b>3</b>         | <b>31,509</b>                | -                       | <b>2,059</b> | <b>2,059</b> | <b>972</b>                         | <b>5,262</b> | <b>6,234</b> |
| <b>Persian Gulf<sup>3</sup></b> ..... | <b>186,170</b>           | -                   | -                | <b>2,623</b>                 | -                       | -            | -            | -                                  | -            | -            |

See footnotes at end of table.

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) – Continued

| Country of Origin               | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total |
|---------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|-------|
|                                 | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |       |
| <b>PAD District 4</b>           |                                    |                  |                 |                      |                        |                       |                         |                                       |                 |                       |       |
| <b>OPEC</b>                     | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Algeria                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Angola                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Congo (Brazzaville)             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Ecuador                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Equatorial Guinea               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Gabon                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iran                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iraq                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Kuwait                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Libya                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Nigeria                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Qatar                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Saudi Arabia                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Arab Emirates            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Venezuela                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| <b>Non-OPEC</b>                 | -                                  | -                | -               | 37                   | -                      | -                     | 749                     | -                                     | -               | -                     | 749   |
| Canada                          | -                                  | -                | -               | 37                   | -                      | -                     | 749                     | -                                     | -               | -                     | 749   |
| Other                           | -                                  | -                | -               | 0                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0     |
| <b>Total</b>                    | -                                  | -                | -               | 37                   | -                      | -                     | 749                     | -                                     | -               | -                     | 749   |
| <b>PAD District 5</b>           |                                    |                  |                 |                      |                        |                       |                         |                                       |                 |                       |       |
| <b>OPEC</b>                     | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Algeria                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Angola                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Congo (Brazzaville)             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Ecuador                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Equatorial Guinea               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Gabon                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iran                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Iraq                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Kuwait                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Libya                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Nigeria                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Qatar                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Saudi Arabia                    | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Arab Emirates            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Venezuela                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| <b>Non-OPEC</b>                 | -                                  | -                | 1,294           | 389                  | 4,124                  | -                     | 3,783                   | -                                     | 186             | 206                   | 4,175 |
| Argentina                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Aruba                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Australia                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brazil                          | -                                  | -                | 1,265           | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Brunei                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Canada                          | -                                  | -                | -               | 232                  | -                      | -                     | 2,647                   | -                                     | 186             | -                     | 2,833 |
| China                           | -                                  | -                | -               | -                    | -                      | -                     | 365                     | -                                     | -               | -                     | 365   |
| Colombia                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Finland                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Germany                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Indonesia                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Japan                           | -                                  | -                | -               | -                    | -                      | -                     | 138                     | -                                     | -               | -                     | 138   |
| Korea, South                    | -                                  | -                | -               | 157                  | -                      | -                     | 331                     | -                                     | -               | -                     | 331   |
| Malaysia                        | -                                  | -                | -               | -                    | -                      | -                     | 241                     | -                                     | -               | -                     | 241   |
| Mexico                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Netherlands                     | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Oman                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Papua New Guinea                | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Peru                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | 206                   | 206   |
| Singapore                       | -                                  | -                | -               | -                    | -                      | -                     | 61                      | -                                     | -               | -                     | 61    |
| Sweden                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Taiwan                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| United Kingdom                  | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Vietnam                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Virgin Islands, U.S.            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |
| Other                           | -                                  | -                | 29              | 0                    | 4,124                  | -                     | 0                       | -                                     | 0               | 0                     | 0     |
| <b>Total</b>                    | -                                  | -                | 1,294           | 389                  | 4,124                  | -                     | 3,783                   | -                                     | 186             | 206                   | 4,175 |
| <b>Persian Gulf<sup>3</sup></b> | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -     |

See footnotes at end of table.

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                     | Kerosene | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil       |                       |                            | Total  |
|---------------------------------------|----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------------|-----------------------|----------------------------|--------|
|                                       |          |                            |                                       |                        |                  | Less than 0.31 % sulfur | 0.31 to 1.00 % sulfur | Greater than 1.00 % sulfur |        |
| <b>PAD District 4</b>                 |          |                            |                                       |                        |                  |                         |                       |                            |        |
| <b>OPEC</b> .....                     | —        | —                          | —                                     | 96                     | —                | —                       | —                     | —                          | —      |
| Algeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Angola .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Congo (Brazzaville) .....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Ecuador .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Equatorial Guinea .....               | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Gabon .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iran .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iraq .....                            | —        | —                          | —                                     | 96                     | —                | —                       | —                     | —                          | —      |
| Kuwait .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Libya .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Nigeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Qatar .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Saudi Arabia .....                    | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| United Arab Emirates .....            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Venezuela .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| <b>Non-OPEC</b> .....                 | —        | 8                          | —                                     | 28                     | —                | —                       | —                     | 124                        | 124    |
| Canada .....                          | —        | 8                          | —                                     | —                      | —                | —                       | —                     | 124                        | 124    |
| Other .....                           | —        | 0                          | —                                     | 28                     | —                | —                       | —                     | 0                          | 0      |
| <b>Total</b> .....                    | —        | 8                          | —                                     | 124                    | —                | —                       | —                     | 124                        | 124    |
| <b>PAD District 5</b>                 |          |                            |                                       |                        |                  |                         |                       |                            |        |
| <b>OPEC</b> .....                     | —        | —                          | —                                     | —                      | —                | —                       | —                     | 1,131                      | 1,131  |
| Algeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Angola .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Congo (Brazzaville) .....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Ecuador .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | 438                        | 438    |
| Equatorial Guinea .....               | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Gabon .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iran .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Iraq .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Kuwait .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Libya .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Nigeria .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Qatar .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Saudi Arabia .....                    | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| United Arab Emirates .....            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Venezuela .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | 693                        | 693    |
| <b>Non-OPEC</b> .....                 | —        | 3                          | —                                     | 28,284                 | —                | —                       | 2,490                 | 8,267                      | 10,757 |
| Argentina .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Aruba .....                           | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Australia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Brazil .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Brunei .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Canada .....                          | —        | 3                          | —                                     | 90                     | —                | —                       | 2,140                 | 1,056                      | 3,196  |
| China .....                           | —        | —                          | —                                     | 2,887                  | —                | —                       | —                     | —                          | —      |
| Colombia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Finland .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Germany .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Indonesia .....                       | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Japan .....                           | —        | —                          | —                                     | 3,385                  | —                | —                       | —                     | —                          | —      |
| Korea, South .....                    | —        | —                          | —                                     | 18,131                 | —                | —                       | —                     | —                          | —      |
| Malaysia .....                        | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Mexico .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | 3,104                      | 3,104  |
| Netherlands .....                     | —        | —                          | —                                     | —                      | —                | —                       | —                     | 350                        | 350    |
| Oman .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Papua New Guinea .....                | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Peru .....                            | —        | —                          | —                                     | —                      | —                | —                       | —                     | 2,795                      | 2,795  |
| Singapore .....                       | —        | —                          | —                                     | 2,143                  | —                | —                       | —                     | —                          | —      |
| Sweden .....                          | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Taiwan .....                          | —        | —                          | —                                     | 545                    | —                | —                       | —                     | —                          | —      |
| United Kingdom .....                  | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Vietnam .....                         | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Virgin Islands, U.S. ....             | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |
| Other .....                           | —        | 0                          | —                                     | 1,103                  | —                | —                       | 350                   | 962                        | 1,312  |
| <b>Total</b> .....                    | —        | 3                          | —                                     | 28,284                 | —                | —                       | 2,490                 | 9,398                      | 11,888 |
| <b>Persian Gulf<sup>3</sup></b> ..... | —        | —                          | —                                     | —                      | —                | —                       | —                     | —                          | —      |

See footnotes at end of table.

**Table 30. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, 2018**  
(Thousand Barrels) — Continued

| Country of Origin                      | Petrochemical Feedstocks |            | Waxes | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products | Daily Average |          |       |
|--|--------------------------|------------|-------|----------------|----------------------|------------|------------------------|----------------|------------------------------|---------------|----------|-------|
|  | Naphtha                  | Other Oils |       |                |                      |            |                        |                |                              | Crude Oil     | Products | Total |
| <b>PAD District 4</b>                  |                          |            |       |                |                      |            |                        |                |                              |               |          |       |
| <b>OPEC</b> .....                      | -                        | -          | -     | -              | -                    | -          | -                      | 96             | 96                           | -             | 0        | 0     |
| Algeria .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Angola .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Congo (Brazzaville) .....              | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Ecuador .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Equatorial Guinea .....                | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Gabon .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iran .....                             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iraq .....                             | -                        | -          | -     | -              | -                    | -          | -                      | 96             | 96                           | -             | 0        | 0     |
| Kuwait .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Libya .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Nigeria .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Qatar .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Saudi Arabia .....                     | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| United Arab Emirates .....             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Venezuela .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| <b>Non-OPEC</b> .....                  | -                        | -          | -     | -              | 324                  | -          | 12                     | 6,748          | 117,851                      | 304           | 18       | 323   |
| Canada .....                           | -                        | -          | -     | -              | 324                  | -          | 12                     | 6,720          | 117,823                      | 304           | 18       | 323   |
| Other .....                            | -                        | -          | -     | -              | 0                    | -          | 0                      | 28             | 28                           | 0             | 0        | 0     |
| <b>Total</b> .....                     | -                        | -          | -     | -              | 324                  | -          | 12                     | 6,844          | 117,947                      | 304           | 19       | 323   |
| <b>PAD District 5</b>                  |                          |            |       |                |                      |            |                        |                |                              |               |          |       |
| <b>OPEC</b> .....                      | -                        | -          | -     | -              | -                    | -          | -                      | 11,551         | 282,233                      | 742           | 32       | 773   |
| Algeria .....                          | -                        | -          | -     | -              | -                    | -          | -                      | 7,483          | 7,483                        | -             | 21       | 21    |
| Angola .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | 11,550                       | 32            | -        | 32    |
| Congo (Brazzaville) .....              | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Ecuador .....                          | -                        | -          | -     | -              | -                    | -          | -                      | 438            | 52,582                       | 143           | 1        | 144   |
| Equatorial Guinea .....                | -                        | -          | -     | -              | -                    | -          | -                      | -              | 7,874                        | 22            | -        | 22    |
| Gabon .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iran .....                             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Iraq .....                             | -                        | -          | -     | -              | -                    | -          | -                      | -              | 29,828                       | 82            | -        | 82    |
| Kuwait .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | 15,064                       | 41            | -        | 41    |
| Libya .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | 9,077                        | 25            | -        | 25    |
| Nigeria .....                          | -                        | -          | -     | -              | -                    | -          | -                      | 314            | 5,199                        | 13            | 1        | 14    |
| Qatar .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Saudi Arabia .....                     | -                        | -          | -     | -              | -                    | -          | -                      | -              | 139,283                      | 382           | -        | 382   |
| United Arab Emirates .....             | -                        | -          | -     | -              | -                    | -          | -                      | 2,623          | 4,618                        | 5             | 7        | 13    |
| Venezuela .....                        | -                        | -          | -     | -              | -                    | -          | -                      | 693            | 3,612                        | 8             | 2        | 10    |
| <b>Non-OPEC</b> .....                  | 378                      | -          | 512   | 325            | 1,227                | 172        | -                      | 97,371         | 314,470                      | 595           | 267      | 862   |
| Argentina .....                        | -                        | -          | -     | -              | -                    | -          | -                      | 70             | 5,522                        | 15            | 0        | 15    |
| Aruba .....                            | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Australia .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Brazil .....                           | -                        | -          | -     | -              | -                    | -          | -                      | 1,285          | 26,014                       | 68            | 4        | 71    |
| Brunei .....                           | -                        | -          | -     | -              | -                    | -          | -                      | -              | 5,478                        | 15            | -        | 15    |
| Canada .....                           | -                        | -          | -     | 325            | 1,070                | 103        | -                      | 27,476         | 110,483                      | 227           | 75       | 303   |
| China .....                            | -                        | -          | 428   | -              | 91                   | -          | -                      | 3,928          | 3,928                        | -             | 11       | 11    |
| Colombia .....                         | -                        | -          | -     | -              | -                    | -          | -                      | 297            | 44,472                       | 121           | 1        | 122   |
| Finland .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Germany .....                          | -                        | -          | -     | -              | -                    | -          | -                      | 96             | 96                           | -             | 0        | 0     |
| Indonesia .....                        | -                        | -          | -     | -              | -                    | -          | -                      | -              | 14,531                       | 40            | -        | 40    |
| Japan .....                            | -                        | -          | 80    | -              | -                    | -          | -                      | 4,374          | 4,374                        | -             | 12       | 12    |
| Korea, South .....                     | -                        | -          | -     | -              | 66                   | 69         | -                      | 20,207         | 20,207                       | -             | 55       | 55    |
| Malaysia .....                         | -                        | -          | 4     | -              | -                    | -          | -                      | 507            | 1,095                        | 2             | 1        | 3     |
| Mexico .....                           | -                        | -          | -     | -              | -                    | -          | -                      | 3,104          | 20,792                       | 48            | 9        | 57    |
| Netherlands .....                      | -                        | -          | -     | -              | -                    | -          | -                      | 1,382          | 1,382                        | -             | 4        | 4     |
| Oman .....                             | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Papua New Guinea .....                 | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Peru .....                             | -                        | -          | -     | -              | -                    | -          | -                      | 4,364          | 4,626                        | 1             | 12       | 13    |
| Singapore .....                        | -                        | -          | -     | -              | -                    | -          | -                      | 7,443          | 7,443                        | -             | 20       | 20    |
| Sweden .....                           | -                        | -          | -     | -              | -                    | -          | -                      | 280            | 280                          | -             | 1        | 1     |
| Taiwan .....                           | 378                      | -          | -     | -              | -                    | -          | -                      | 1,651          | 1,651                        | -             | 5        | 5     |
| United Kingdom .....                   | -                        | -          | -     | -              | -                    | -          | -                      | 384            | 1,173                        | 2             | 1        | 3     |
| Vietnam .....                          | -                        | -          | -     | -              | -                    | -          | -                      | -              | 788                          | 2             | -        | 2     |
| Virgin Islands, U.S. ....              | -                        | -          | -     | -              | -                    | -          | -                      | -              | -                            | -             | -        | -     |
| Other .....                            | 0                        | -          | 0     | 0              | 0                    | 0          | -                      | 20,523         | 40,135                       | 54            | 56       | 110   |
| <b>Total</b> .....                     | 378                      | -          | 512   | 325            | 1,227                | 172        | -                      | 108,922        | 596,703                      | 1,336         | 298      | 1,635 |
| <b>Persian Gulf</b> <sup>3</sup> ..... | -                        | -          | -     | -              | -                    | -          | -                      | 2,623          | 188,793                      | 510           | 7        | 517   |

- = No Data Reported.

<sup>1</sup> 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.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to rounding. U.S. Energy Information Administration/Petroleum Supply Annual 2018, Volume 1

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

**Table 31. Exports of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels)

| Commodity   | PAD Districts  |                |                  |              |                | U.S. Total       |               |
|---|----------------|----------------|------------------|--------------|----------------|------------------|---------------|
|   | 1              | 2              | 3                | 4            | 5              | Total            | Daily Average |
| <b>Crude Oil<sup>1</sup></b> .....                          | <b>10,208</b>  | <b>71,657</b>  | <b>661,323</b>   | <b>130</b>   | <b>4,222</b>   | <b>747,540</b>   | <b>2,048</b>  |
| <b>Hydrocarbon Gas Liquids</b> .....                        | <b>36,944</b>  | <b>102,947</b> | <b>428,859</b>   | <b>882</b>   | <b>14,964</b>  | <b>584,596</b>   | <b>1,602</b>  |
| Natural Gas Liquids .....                                   | 36,944         | 102,947        | 428,859          | 882          | 14,964         | 584,596          | 1,602         |
| Ethane .....  | 11,433         | 33,452         | 48,515           | —            | 9              | 93,410           | 256           |
| Propane .....   | 21,164         | 1,609          | 313,440          | 5            | 10,276         | 346,495          | 949           |
| Normal Butane .....   | 3,109          | 3,644          | 64,629           | 90           | 4,540          | 76,012           | 208           |
| Isobutane .....   | 12             | 6              | 1,970            | —            | 5              | 1,992            | 5             |
| Natural Gasoline .....                                      | 1,226          | 64,235         | 305              | 787          | 134            | 66,687           | 183           |
| Refinery Olefins .....                                      | —              | —              | —                | —            | —              | —                | —             |
| Ethylene .....  | —              | —              | —                | —            | —              | —                | —             |
| Propylene .....   | —              | —              | —                | —            | —              | —                | —             |
| Butylene .....  | —              | —              | —                | —            | —              | —                | —             |
| Isobutylene .....   | —              | —              | —                | —            | —              | —                | —             |
| <b>Other Liquids</b> .....                                  | <b>3,623</b>   | <b>30,009</b>  | <b>146,793</b>   | <b>24</b>    | <b>6,514</b>   | <b>186,963</b>   | <b>512</b>    |
| Hydrogen/Oxygenates/Renewables/<br>Other Hydrocarbons ..... | 1,766          | 8,597          | 55,656           | 16           | 2,423          | 68,458           | 188           |
| Hydrogen .....  | —              | —              | —                | —            | —              | —                | —             |
| Oxygenates (excluding Fuel Ethanol) .....                   | 14             | 19             | 25,241           | 0            | 10             | 25,284           | 69            |
| Methyl Tertiary Butyl Ether (MTBE) .....                    | 0              | 0              | 14,131           | —            | 0              | 14,131           | 39            |
| Other Oxygenates .....                                      | 14             | 19             | 11,110           | 0            | 10             | 11,153           | 31            |
| Renewable Fuels (including Fuel Ethanol) ...                | 1,752          | 8,579          | 30,415           | 15           | 2,413          | 43,175           | 118           |
| Fuel Ethanol .....  | 1,608          | 7,570          | 29,833           | 14           | 1,680          | 40,704           | 112           |
| Biomass-Based Diesel .....                                  | 144            | 1,009          | 583              | 2            | 733            | 2,470            | 7             |
| Other Renewable Diesel .....                                | —              | —              | —                | —            | —              | —                | —             |
| Other Renewable Fuels .....                                 | —              | —              | —                | —            | —              | —                | —             |
| Other Hydrocarbons .....                                    | —              | —              | —                | —            | —              | —                | —             |
| Unfinished Oils .....                                       | 403            | 21,022         | 73,715           | 8            | 979            | 96,127           | 263           |
| Naphthas and Lighter .....                                  | 147            | 20,905         | 71,753           | 7            | 843            | 93,655           | 257           |
| Kerosene and Light Gas Oils .....                           | 256            | 117            | 1,962            | 1            | 137            | 2,472            | 7             |
| Heavy Gas Oils .....  | —              | —              | —                | —            | —              | —                | —             |
| Residuum .....  | —              | —              | —                | —            | —              | —                | —             |
| Motor Gasoline Blend.Comp. (MGBC) .....                     | 1,454          | 390            | 17,422           | 1            | 3,111          | 22,378           | 61            |
| Reformulated .....  | 29             | 1              | 116              | —            | 23             | 170              | 0             |
| Conventional .....  | 1,424          | 389            | 17,306           | 1            | 3,088          | 22,208           | 61            |
| Aviation Gasoline Blend. Comp. ....                         | —              | —              | —                | —            | —              | —                | —             |
| <b>Finished Petroleum Products</b> .....                    | <b>51,237</b>  | <b>11,856</b>  | <b>1,062,029</b> | <b>303</b>   | <b>129,927</b> | <b>1,255,352</b> | <b>3,439</b>  |
| Finished Motor Gasoline .....                               | 2,396          | 2,004          | 294,905          | 12           | 21,437         | 320,755          | 879           |
| Reformulated .....  | —              | —              | —                | —            | —              | —                | —             |
| Conventional .....  | 2,396          | 2,004          | 294,905          | 12           | 21,437         | 320,755          | 879           |
| Finished Aviation Gasoline .....                            | —              | —              | —                | —            | —              | —                | —             |
| Kerosene-Type Jet Fuel .....                                | 5,544          | 557            | 65,633           | —            | 9,609          | 81,343           | 223           |
| Kerosene .....  | 277            | 20             | 1,236            | 1            | 26             | 1,560            | 4             |
| Distillate Fuel Oil .....                                   | 12,556         | 1,401          | 420,512          | 0            | 35,864         | 470,334          | 1,289         |
| 15 ppm sulfur and under .....                               | 7,948          | 5              | 357,542          | 0            | 26,133         | 391,628          | 1,073         |
| Greater than 15 ppm to 500 ppm sulfur .....                 | 2,705          | 851            | 32,146           | —            | 2,935          | 38,637           | 106           |
| Greater than 500 ppm sulfur .....                           | 1,904          | 545            | 30,823           | —            | 6,796          | 40,068           | 110           |
| Residual Fuel Oil .....                                     | 14,757         | 1,966          | 88,654           | 117          | 11,771         | 117,265          | 321           |
| Naphtha for Petro. Feed. Use .....                          | —              | —              | —                | —            | —              | —                | —             |
| Other Oils for Petro. Feed. Use .....                       | —              | —              | —                | —            | —              | —                | —             |
| Special Naphthas .....                                      | —              | —              | —                | —            | —              | —                | —             |
| Lubricants .....  | 2,869          | 2,275          | 29,285           | 98           | 3,977          | 38,504           | 105           |
| Waxes .....   | 816            | 397            | 273              | 4            | 64             | 1,554            | 4             |
| Petroleum Coke .....  | 10,912         | 1,920          | 154,960          | 15           | 46,636         | 214,443          | 588           |
| Asphalt and Road Oil .....                                  | 946            | 1,293          | 6,479            | 53           | 468            | 9,238            | 25            |
| Miscellaneous Products .....                                | 163            | 24             | 93               | 1            | 75             | 356              | 1             |
| <b>Total</b> .....  | <b>102,012</b> | <b>216,470</b> | <b>2,299,004</b> | <b>1,339</b> | <b>155,627</b> | <b>2,774,451</b> | <b>7,601</b>  |

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

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

Sources: U.S. Census Bureau and EIA estimates.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2018**  
(Thousand Barrels)

| Destination                 | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils | Finished Motor Gasoline |                |                | Motor Gasoline Blending Components |               |               |
|-----------------------------|------------------------|---------------------|------------------|-----------------|-------------------------|----------------|----------------|------------------------------------|---------------|---------------|
|                             |                        |                     |                  |                 | Reformulated            | Conventional   | Total          | Reformulated                       | Conventional  | Total         |
| Argentina .....             | 761                    | 1                   | —                | 1,641           | —                       | 2,881          | 2,881          | 0                                  | 0             | 0             |
| Australia .....             | 0                      | 2,898               | —                | 2               | —                       | 1,705          | 1,705          | 2                                  | 0             | 2             |
| Bahamas .....               | 960                    | 730                 | —                | 1               | —                       | 1,552          | 1,552          | 1                                  | 1             | 1             |
| Bahrain .....               | —                      | —                   | —                | 0               | —                       | 6              | 6              | —                                  | —             | —             |
| Belgium .....               | —                      | 879                 | —                | 1,614           | —                       | 1              | 1              | —                                  | 0             | 0             |
| Belize .....                | —                      | —                   | —                | —               | —                       | 590            | 590            | —                                  | 0             | 0             |
| Brazil .....                | 9,016                  | 23,489              | —                | 8,074           | —                       | 13,247         | 13,247         | 0                                  | 634           | 634           |
| Canada .....                | 160,778                | 106,651             | —                | 21,408          | —                       | 11,592         | 11,592         | —                                  | 10,922        | 10,922        |
| Cayman Islands .....        | —                      | 319                 | —                | 0               | —                       | 457            | 457            | 0                                  | —             | 0             |
| Chile .....                 | 4,031                  | 10,747              | —                | 1,364           | —                       | 3,999          | 3,999          | 1                                  | 384           | 385           |
| China .....                 | 84,274                 | 29,280              | —                | 1,401           | —                       | 62             | 62             | —                                  | —             | —             |
| Colombia .....              | 8,763                  | 167                 | —                | 17,521          | —                       | 8,176          | 8,176          | 0                                  | 150           | 150           |
| Costa Rica .....            | —                      | 1,585               | —                | 27              | —                       | 6,370          | 6,370          | 0                                  | 1,598         | 1,599         |
| Denmark .....               | 6,229                  | —                   | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Dominican Republic .....    | 3,578                  | 14,269              | —                | 79              | —                       | 4,560          | 4,560          | 0                                  | 0             | 0             |
| Ecuador .....               | —                      | 10,546              | —                | 365             | —                       | 8,114          | 8,114          | 7                                  | 783           | 791           |
| Egypt .....                 | —                      | 3,787               | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| El Salvador .....           | —                      | 3,106               | —                | 3               | —                       | 4,709          | 4,709          | 0                                  | 0             | 0             |
| Finland .....               | —                      | —                   | —                | 1               | —                       | 0              | 0              | 0                                  | —             | 0             |
| France .....                | 8,323                  | 4,355               | —                | 579             | —                       | 3              | 3              | —                                  | 1             | 1             |
| Germany .....               | 1,031                  | 3                   | —                | 31              | —                       | 2              | 2              | —                                  | 0             | 0             |
| Ghana .....                 | —                      | 692                 | —                | 0               | —                       | 519            | 519            | —                                  | —             | —             |
| Gibraltar .....             | 581                    | 2,816               | —                | 329             | —                       | —              | —              | —                                  | 159           | 159           |
| Greece .....                | 1,891                  | 0                   | —                | —               | —                       | 0              | 0              | —                                  | —             | —             |
| Guatemala .....             | —                      | 5,453               | —                | 19              | —                       | 12,853         | 12,853         | 0                                  | 1             | 1             |
| Honduras .....              | —                      | 3,907               | —                | 10              | —                       | 6,300          | 6,300          | 0                                  | —             | 0             |
| Hong Kong .....             | —                      | 2                   | —                | 2               | —                       | 3              | 3              | —                                  | 0             | 0             |
| India .....                 | 55,122                 | 27,074              | —                | 1,404           | —                       | 0              | 0              | 1                                  | 0             | 1             |
| Indonesia .....             | —                      | 14,842              | —                | 20              | —                       | 1              | 1              | —                                  | —             | —             |
| Ireland .....               | 4,711                  | —                   | —                | 596             | —                       | 1              | 1              | —                                  | 0             | 0             |
| Israel .....                | —                      | 2                   | —                | 9               | —                       | 12             | 12             | —                                  | —             | —             |
| Italy .....                 | 39,574                 | 236                 | —                | 0               | —                       | 301            | 301            | —                                  | —             | —             |
| Jamaica .....               | —                      | 1,178               | —                | 1               | —                       | 1,285          | 1,285          | —                                  | —             | —             |
| Japan .....                 | 23,531                 | 107,072             | —                | 6,502           | —                       | 5              | 5              | 13                                 | 2             | 15            |
| Korea, South .....          | 88,296                 | 39,908              | —                | 1,912           | —                       | 1,728          | 1,728          | 2                                  | 0             | 2             |
| Lebanon .....               | —                      | 0                   | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Mexico .....                | 1,051                  | 51,083              | —                | 3,032           | —                       | 186,435        | 186,435        | 120                                | 4,086         | 4,206         |
| Montenegro .....            | —                      | 1                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Morocco .....               | —                      | 5,703               | —                | 100             | —                       | 941            | 941            | —                                  | —             | —             |
| Mozambique .....            | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Netherlands .....           | 48,089                 | 21,206              | —                | 5,192           | —                       | 5,437          | 5,437          | —                                  | 925           | 925           |
| New Zealand .....           | —                      | —                   | —                | 0               | —                       | 1              | 1              | 0                                  | —             | 0             |
| Nicaragua .....             | 2,077                  | 0                   | —                | 417             | —                       | 1,905          | 1,905          | —                                  | —             | —             |
| Nigeria .....               | —                      | 410                 | —                | 2               | —                       | 1,454          | 1,454          | —                                  | 331           | 331           |
| Norway .....                | 12,771                 | 8,583               | —                | 60              | —                       | —              | —              | —                                  | —             | —             |
| Pakistan .....              | —                      | —                   | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Panama .....                | 504                    | 207                 | —                | 69              | —                       | 7,875          | 7,875          | 0                                  | 86            | 86            |
| Peru .....                  | 2,393                  | 2,613               | —                | 266             | —                       | 6,878          | 6,878          | —                                  | 200           | 200           |
| Philippines .....           | —                      | 1                   | —                | 4               | —                       | 7              | 7              | —                                  | —             | —             |
| Portugal .....              | 2,191                  | 3,166               | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Puerto Rico .....           | —                      | 62                  | —                | 6               | —                       | 36             | 36             | —                                  | 2             | 2             |
| Romania .....               | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Saudi Arabia .....          | —                      | 1                   | —                | 14              | —                       | 1              | 1              | —                                  | —             | —             |
| Serbia (Excludes Kosovo) .. | —                      | —                   | —                | —               | —                       | —              | —              | —                                  | —             | —             |
| Singapore .....             | 15,587                 | 12,494              | —                | 1,472           | —                       | 1,523          | 1,523          | —                                  | 0             | 0             |
| South Africa .....          | 2,064                  | 1,078               | —                | 0               | —                       | 1,624          | 1,624          | —                                  | —             | —             |
| Spain .....                 | 8,120                  | 9,939               | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Switzerland .....           | 1,594                  | 3,522               | —                | 0               | —                       | —              | —              | —                                  | —             | —             |
| Taiwan .....                | 47,980                 | 6,429               | —                | 4,084           | —                       | 4              | 4              | —                                  | 0             | 0             |
| Thailand .....              | 13,956                 | 1                   | —                | 8               | —                       | 500            | 500            | —                                  | 0             | 0             |
| Trinidad and Tobago .....   | —                      | 46                  | —                | 35              | —                       | 364            | 364            | —                                  | —             | —             |
| Turkey .....                | —                      | 10,279              | —                | 0               | —                       | —              | —              | 0                                  | —             | 0             |
| United Arab Emirates .....  | 10,284                 | 1                   | —                | 723             | —                       | 34             | 34             | —                                  | 0             | 0             |
| United Kingdom .....        | 60,819                 | 15,863              | —                | 157             | —                       | 7              | 7              | 0                                  | 1             | 1             |
| Venezuela .....             | —                      | 1,919               | —                | 15,296          | —                       | 10,240         | 10,240         | 18                                 | 1,933         | 1,951         |
| Other .....                 | 16,610                 | 13,995              | —                | 275             | —                       | 4,455          | 4,455          | 5                                  | 9             | 13            |
| <b>Total .....</b>          | <b>747,540</b>         | <b>584,596</b>      | <b>—</b>         | <b>96,127</b>   | <b>—</b>                | <b>320,755</b> | <b>320,755</b> | <b>170</b>                         | <b>22,208</b> | <b>22,378</b> |

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2018**  
(Thousand Barrels) — Continued

| Destination                 | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total          |
|-----------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|----------------|
|                             | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |                |
| Argentina .....             | 0                                  | 0                | 1               | —                    | —                      | —                     | 8,886                   | 1,952                                 | 1,410           | —                     | 12,248         |
| Australia .....             | 0                                  | 0                | 1               | 0                    | —                      | —                     | 2                       | —                                     | 0               | —                     | 2              |
| Bahamas .....               | —                                  | 3                | 0               | 0                    | —                      | —                     | 1,790                   | 221                                   | 2,840           | —                     | 4,851          |
| Bahrain .....               | —                                  | —                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Belgium .....               | 87                                 | 0                | 1               | —                    | —                      | —                     | 3,892                   | 557                                   | 571             | —                     | 5,020          |
| Belize .....                | —                                  | —                | —               | 0                    | —                      | —                     | 39                      | 749                                   | 37              | —                     | 825            |
| Brazil .....                | 240                                | 0                | 11,897          | —                    | —                      | —                     | 51,482                  | 3,128                                 | 2,429           | —                     | 57,040         |
| Canada .....                | —                                  | 5                | 8,271           | 1,936                | —                      | —                     | 3,657                   | 5,197                                 | 2,553           | —                     | 11,408         |
| Cayman Islands .....        | —                                  | —                | 0               | —                    | —                      | —                     | 1,047                   | 38                                    | 55              | —                     | 1,140          |
| Chile .....                 | 2,472                              | 0                | 3               | 3                    | —                      | —                     | 38,617                  | 1,741                                 | 260             | —                     | 40,618         |
| China .....                 | 0                                  | 4                | 1,284           | 1                    | —                      | —                     | 14                      | —                                     | 8               | —                     | 23             |
| Colombia .....              | —                                  | 0                | 1,175           | —                    | —                      | —                     | 6,863                   | 1                                     | 0               | —                     | 6,865          |
| Costa Rica .....            | 29                                 | 0                | 3               | —                    | —                      | —                     | 8,071                   | —                                     | —               | —                     | 8,071          |
| Denmark .....               | —                                  | —                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Dominican Republic .....    | —                                  | 0                | 7               | —                    | —                      | —                     | 2,972                   | 1,040                                 | 2,011           | —                     | 6,022          |
| Ecuador .....               | —                                  | 0                | 0               | —                    | —                      | —                     | 11,713                  | 2,358                                 | 3,245           | —                     | 17,316         |
| Egypt .....                 | 0                                  | —                | 2               | —                    | —                      | —                     | 1                       | —                                     | —               | —                     | 1              |
| El Salvador .....           | —                                  | —                | 0               | 0                    | —                      | —                     | 1,918                   | 2,550                                 | —               | —                     | 4,468          |
| Finland .....               | —                                  | —                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| France .....                | —                                  | 3                | 32              | 0                    | —                      | —                     | 17,030                  | 95                                    | 420             | —                     | 17,546         |
| Germany .....               | 0                                  | 0                | 1               | 13                   | —                      | —                     | 312                     | —                                     | —               | —                     | 312            |
| Ghana .....                 | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Gibraltar .....             | —                                  | —                | —               | —                    | —                      | —                     | 5,270                   | 1,007                                 | 1,796           | —                     | 8,072          |
| Greece .....                | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Guatemala .....             | —                                  | 0                | 0               | —                    | —                      | —                     | 8,412                   | 3,776                                 | 625             | —                     | 12,813         |
| Honduras .....              | —                                  | —                | 0               | —                    | —                      | —                     | 2,422                   | 2,741                                 | 1,559           | —                     | 6,721          |
| Hong Kong .....             | —                                  | 0                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| India .....                 | 0                                  | 0                | 3,706           | 0                    | —                      | —                     | 548                     | —                                     | —               | —                     | 548            |
| Indonesia .....             | —                                  | 0                | 0               | —                    | —                      | —                     | 0                       | —                                     | —               | —                     | 0              |
| Ireland .....               | —                                  | 0                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Israel .....                | —                                  | 0                | 7               | —                    | —                      | —                     | 5                       | —                                     | —               | —                     | 5              |
| Italy .....                 | —                                  | 0                | 0               | —                    | —                      | —                     | 1,022                   | 18                                    | —               | —                     | 1,040          |
| Jamaica .....               | —                                  | —                | 434             | 0                    | —                      | —                     | 1,333                   | 554                                   | 551             | —                     | 2,439          |
| Japan .....                 | —                                  | 11,116           | 176             | 0                    | —                      | —                     | 7                       | —                                     | 0               | —                     | 7              |
| Korea, South .....          | 0                                  | 1                | 2,048           | —                    | —                      | —                     | 18                      | —                                     | 510             | —                     | 528            |
| Lebanon .....               | —                                  | 0                | 0               | —                    | —                      | —                     | 1,002                   | —                                     | —               | —                     | 1,002          |
| Mexico .....                | 9,402                              | 6                | 684             | 28                   | —                      | —                     | 103,894                 | 1,050                                 | 312             | —                     | 105,255        |
| Montenegro .....            | —                                  | —                | —               | —                    | —                      | —                     | 0                       | —                                     | —               | —                     | 0              |
| Morocco .....               | —                                  | —                | 0               | —                    | —                      | —                     | 5,322                   | —                                     | —               | —                     | 5,322          |
| Mozambique .....            | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Netherlands .....           | —                                  | 0                | 1,736           | 130                  | —                      | —                     | 16,496                  | 1,424                                 | 2,227           | —                     | 20,147         |
| New Zealand .....           | —                                  | 0                | 0               | —                    | —                      | —                     | 1                       | —                                     | —               | —                     | 1              |
| Nicaragua .....             | —                                  | —                | 0               | 0                    | —                      | —                     | 322                     | 1,013                                 | 1,048           | —                     | 2,383          |
| Nigeria .....               | —                                  | —                | 513             | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Norway .....                | —                                  | 0                | 97              | 2                    | —                      | —                     | 80                      | —                                     | 36              | —                     | 115            |
| Pakistan .....              | —                                  | 0                | 0               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Panama .....                | —                                  | 0                | 0               | —                    | —                      | —                     | 14,232                  | 1,491                                 | 2,292           | —                     | 18,015         |
| Peru .....                  | —                                  | 0                | 1,126           | 276                  | —                      | —                     | 25,759                  | 540                                   | 0               | —                     | 26,299         |
| Philippines .....           | —                                  | 0                | 1,954           | —                    | —                      | —                     | 0                       | —                                     | —               | —                     | 0              |
| Portugal .....              | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Puerto Rico .....           | 0                                  | 3                | 379             | 0                    | —                      | —                     | 3                       | 4                                     | —               | —                     | 7              |
| Romania .....               | —                                  | —                | —               | —                    | —                      | —                     | 1,838                   | —                                     | —               | —                     | 1,838          |
| Saudi Arabia .....          | —                                  | 0                | 524             | —                    | —                      | —                     | 1                       | —                                     | 0               | —                     | 1              |
| Serbia (Excludes Kosovo) .. | —                                  | —                | —               | —                    | —                      | —                     | —                       | —                                     | —               | —                     | —              |
| Singapore .....             | 0                                  | 5                | 460             | 3                    | —                      | —                     | 2,600                   | 105                                   | 4,583           | —                     | 7,288          |
| South Africa .....          | —                                  | 0                | 0               | —                    | —                      | —                     | 0                       | —                                     | 0               | —                     | 0              |
| Spain .....                 | —                                  | 0                | 349             | —                    | —                      | —                     | 3,715                   | —                                     | —               | —                     | 3,715          |
| Switzerland .....           | —                                  | 0                | 2               | 54                   | —                      | —                     | 514                     | —                                     | 0               | —                     | 514            |
| Taiwan .....                | 0                                  | 0                | 1               | —                    | —                      | —                     | 1                       | —                                     | 0               | —                     | 2              |
| Thailand .....              | —                                  | 0                | 0               | 0                    | —                      | —                     | 1,218                   | —                                     | 0               | —                     | 1,218          |
| Trinidad and Tobago .....   | —                                  | —                | 0               | 0                    | —                      | —                     | 51                      | 58                                    | 0               | —                     | 109            |
| Turkey .....                | —                                  | 1                | 0               | —                    | —                      | —                     | 2                       | —                                     | —               | —                     | 2              |
| United Arab Emirates .....  | —                                  | 0                | 1,671           | —                    | —                      | —                     | 468                     | —                                     | —               | —                     | 468            |
| United Kingdom .....        | —                                  | 0                | 127             | —                    | —                      | —                     | 12,211                  | 306                                   | —               | —                     | 12,517         |
| Venezuela .....             | 1,872                              | 0                | 0               | —                    | —                      | —                     | 9,747                   | 732                                   | 1,180           | —                     | 11,659         |
| Other .....                 | 29                                 | 6                | 2,032           | 24                   | —                      | —                     | 14,808                  | 4,191                                 | 7,510           | —                     | 26,508         |
| <b>Total .....</b>          | <b>14,131</b>                      | <b>11,153</b>    | <b>40,704</b>   | <b>2,470</b>         | <b>—</b>               | <b>—</b>              | <b>391,628</b>          | <b>38,637</b>                         | <b>40,068</b>   | <b>—</b>              | <b>470,334</b> |

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2018**  
(Thousand Barrels) – Continued

| Destination                 | Kerosene     | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil | Petrochemical Feedstocks |            |
|-----------------------------|--------------|----------------------------|---------------------------------------|------------------------|------------------|-------------------|--------------------------|------------|
|                             |              |                            |                                       |                        |                  |                   | Naphtha                  | Other Oils |
| Argentina .....             | 130          | –                          | –                                     | 1,492                  | –                | 1,017             | –                        | –          |
| Australia .....             | 0            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Bahamas .....               | 1            | –                          | –                                     | 867                    | –                | 8,415             | –                        | –          |
| Bahrain .....               | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Belgium .....               | 1            | –                          | –                                     | –                      | –                | 0                 | –                        | –          |
| Belize .....                | 0            | –                          | –                                     | 296                    | –                | –                 | –                        | –          |
| Brazil .....                | 0            | –                          | –                                     | 2,452                  | –                | 498               | –                        | –          |
| Canada .....                | 760          | –                          | –                                     | 18,127                 | –                | 6,862             | –                        | –          |
| Cayman Islands .....        | 0            | –                          | –                                     | 234                    | –                | 0                 | –                        | –          |
| Chile .....                 | 8            | –                          | –                                     | 2,941                  | –                | 315               | –                        | –          |
| China .....                 | 2            | –                          | –                                     | 2                      | –                | 220               | –                        | –          |
| Colombia .....              | 24           | –                          | –                                     | 60                     | –                | 1                 | –                        | –          |
| Costa Rica .....            | 9            | –                          | –                                     | 1,745                  | –                | 560               | –                        | –          |
| Denmark .....               | –            | –                          | –                                     | –                      | –                | 0                 | –                        | –          |
| Dominican Republic .....    | 0            | –                          | –                                     | 2,761                  | –                | 391               | –                        | –          |
| Ecuador .....               | 35           | –                          | –                                     | 9                      | –                | 2,409             | –                        | –          |
| Egypt .....                 | 0            | –                          | –                                     | 1                      | –                | 0                 | –                        | –          |
| El Salvador .....           | 13           | –                          | –                                     | 545                    | –                | 0                 | –                        | –          |
| Finland .....               | –            | –                          | –                                     | 61                     | –                | 0                 | –                        | –          |
| France .....                | –            | –                          | –                                     | –                      | –                | 0                 | –                        | –          |
| Germany .....               | 0            | –                          | –                                     | 2                      | –                | –                 | –                        | –          |
| Ghana .....                 | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Gibraltar .....             | –            | –                          | –                                     | 300                    | –                | 2,966             | –                        | –          |
| Greece .....                | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Guatemala .....             | 4            | –                          | –                                     | 1,412                  | –                | 502               | –                        | –          |
| Honduras .....              | 1            | –                          | –                                     | 771                    | –                | 2,801             | –                        | –          |
| Hong Kong .....             | 0            | –                          | –                                     | 1                      | –                | 7                 | –                        | –          |
| India .....                 | 0            | –                          | –                                     | 1                      | –                | 2                 | –                        | –          |
| Indonesia .....             | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Ireland .....               | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Israel .....                | 0            | –                          | –                                     | 1,641                  | –                | 0                 | –                        | –          |
| Italy .....                 | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Jamaica .....               | 0            | –                          | –                                     | 1,030                  | –                | 7,114             | –                        | –          |
| Japan .....                 | 1            | –                          | –                                     | 0                      | –                | 0                 | –                        | –          |
| Korea, South .....          | 0            | –                          | –                                     | 0                      | –                | 874               | –                        | –          |
| Lebanon .....               | –            | –                          | –                                     | 1                      | –                | 6,089             | –                        | –          |
| Mexico .....                | 5            | –                          | –                                     | 20,287                 | –                | 15,527            | –                        | –          |
| Montenegro .....            | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Morocco .....               | –            | –                          | –                                     | –                      | –                | 210               | –                        | –          |
| Mozambique .....            | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Netherlands .....           | 101          | –                          | –                                     | 2,409                  | –                | 13,170            | –                        | –          |
| New Zealand .....           | –            | –                          | –                                     | –                      | –                | 70                | –                        | –          |
| Nicaragua .....             | 140          | –                          | –                                     | 117                    | –                | –                 | –                        | –          |
| Nigeria .....               | 0            | –                          | –                                     | 594                    | –                | –                 | –                        | –          |
| Norway .....                | 181          | –                          | –                                     | 60                     | –                | –                 | –                        | –          |
| Pakistan .....              | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Panama .....                | 1            | –                          | –                                     | 5,689                  | –                | 7,235             | –                        | –          |
| Peru .....                  | 42           | –                          | –                                     | 2,175                  | –                | 50                | –                        | –          |
| Philippines .....           | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Portugal .....              | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Puerto Rico .....           | 1            | –                          | –                                     | 4                      | –                | 1                 | –                        | –          |
| Romania .....               | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Saudi Arabia .....          | –            | –                          | –                                     | –                      | –                | 601               | –                        | –          |
| Serbia (Excludes Kosovo) .. | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| Singapore .....             | 1            | –                          | –                                     | –                      | –                | 27,901            | –                        | –          |
| South Africa .....          | 0            | –                          | –                                     | –                      | –                | 0                 | –                        | –          |
| Spain .....                 | –            | –                          | –                                     | 311                    | –                | 361               | –                        | –          |
| Switzerland .....           | –            | –                          | –                                     | –                      | –                | 252               | –                        | –          |
| Taiwan .....                | 0            | –                          | –                                     | 0                      | –                | 4                 | –                        | –          |
| Thailand .....              | –            | –                          | –                                     | –                      | –                | 94                | –                        | –          |
| Trinidad and Tobago .....   | 1            | –                          | –                                     | 576                    | –                | –                 | –                        | –          |
| Turkey .....                | –            | –                          | –                                     | –                      | –                | –                 | –                        | –          |
| United Arab Emirates .....  | 3            | –                          | –                                     | 1                      | –                | 242               | –                        | –          |
| United Kingdom .....        | 0            | –                          | –                                     | 5,503                  | –                | 2,552             | –                        | –          |
| Venezuela .....             | –            | –                          | –                                     | 57                     | –                | 1,838             | –                        | –          |
| Other .....                 | 95           | –                          | –                                     | 6,808                  | –                | 6,114             | –                        | –          |
| <b>Total .....</b>          | <b>1,560</b> | <b>–</b>                   | <b>–</b>                              | <b>81,343</b>          | <b>–</b>         | <b>117,265</b>    | <b>–</b>                 | <b>–</b>   |

See footnotes at end of table.

**Table 32. Exports of Crude Oil and Petroleum Products by Destination, 2018**  
(Thousand Barrels) – Continued

| Destination                 | Waxes        | Petroleum Coke | Asphalt and Road Oil | Lubricants    | Miscellaneous Products | Total Products   | Total Crude Oil and Products | Daily Average |              |              |
|-----------------------------|--------------|----------------|----------------------|---------------|------------------------|------------------|------------------------------|---------------|--------------|--------------|
|                             |              |                |                      |               |                        |                  |                              | Crude Oil     | Products     | Total        |
| Argentina .....             | 3            | 753            | 228                  | 878           | 0                      | 21,273           | 22,034                       | 2             | 58           | 60           |
| Australia .....             | 5            | 2,916          | 218                  | 185           | 5                      | 7,940            | 7,940                        | 0             | 22           | 22           |
| Bahamas .....               | –            | –              | 24                   | 72            | 0                      | 16,518           | 17,478                       | 3             | 45           | 48           |
| Bahrain .....               | 0            | –              | –                    | 13            | –                      | 19               | 19                           | –             | 0            | 0            |
| Belgium .....               | 0            | 3,365          | 67                   | 4,866         | 6                      | 15,907           | 15,907                       | –             | 44           | 44           |
| Belize .....                | –            | –              | –                    | 12            | –                      | 1,723            | 1,723                        | –             | 5            | 5            |
| Brazil .....                | 12           | 15,813         | 1                    | 3,436         | 8                      | 136,841          | 145,856                      | 25            | 375          | 400          |
| Canada .....                | 1,107        | 8,069          | 2,442                | 3,178         | 71                     | 212,810          | 373,588                      | 440           | 583          | 1,024        |
| Cayman Islands .....        | –            | –              | 13                   | 13            | –                      | 2,176            | 2,176                        | –             | 6            | 6            |
| Chile .....                 | 5            | 1              | 313                  | 891           | 1                      | 64,065           | 68,096                       | 11            | 176          | 187          |
| China .....                 | 30           | 19,658         | 23                   | 355           | 12                     | 52,358           | 136,632                      | 231           | 143          | 374          |
| Colombia .....              | 2            | 1              | 2                    | 1,287         | 4                      | 35,434           | 44,197                       | 24            | 97           | 121          |
| Costa Rica .....            | 2            | 545            | 626                  | 223           | 1                      | 21,395           | 21,395                       | –             | 59           | 59           |
| Denmark .....               | 0            | 1,109          | 0                    | 1             | –                      | 1,111            | 7,339                        | 17            | 3            | 20           |
| Dominican Republic .....    | 4            | 1,401          | 597                  | 312           | 1                      | 30,405           | 33,983                       | 10            | 83           | 93           |
| Ecuador .....               | 1            | 1,425          | 1                    | 1,188         | 0                      | 42,201           | 42,201                       | –             | 116          | 116          |
| Egypt .....                 | 0            | 4,997          | 362                  | 89            | –                      | 9,241            | 9,241                        | –             | 25           | 25           |
| El Salvador .....           | 0            | 387            | 0                    | 245           | –                      | 13,477           | 13,477                       | –             | 37           | 37           |
| Finland .....               | 0            | 267            | 0                    | 12            | –                      | 342              | 342                          | –             | 1            | 1            |
| France .....                | 3            | 3,764          | –                    | 553           | 0                      | 26,838           | 35,162                       | 23            | 74           | 96           |
| Germany .....               | 21           | 29             | 9                    | 453           | 1                      | 877              | 1,908                        | 3             | 2            | 5            |
| Ghana .....                 | –            | –              | 0                    | 4             | –                      | 1,215            | 1,215                        | –             | 3            | 3            |
| Gibraltar .....             | –            | –              | –                    | 26            | –                      | 14,668           | 15,249                       | 2             | 40           | 42           |
| Greece .....                | 0            | 4,761          | –                    | 25            | –                      | 4,786            | 6,678                        | 5             | 13           | 18           |
| Guatemala .....             | 2            | 3,163          | 0                    | 219           | –                      | 36,444           | 36,444                       | –             | 100          | 100          |
| Honduras .....              | 0            | 2,638          | 285                  | 124           | 0                      | 23,558           | 23,558                       | –             | 65           | 65           |
| Hong Kong .....             | 2            | 249            | 0                    | 23            | 2                      | 292              | 292                          | –             | 1            | 1            |
| India .....                 | 20           | 19,261         | 15                   | 1,375         | 3                      | 53,410           | 108,532                      | 151           | 146          | 297          |
| Indonesia .....             | 1            | 0              | 14                   | 155           | 1                      | 15,034           | 15,034                       | –             | 41           | 41           |
| Ireland .....               | 0            | 975            | –                    | 0             | 1                      | 1,573            | 6,284                        | 13            | 4            | 17           |
| Israel .....                | 1            | 2,308          | –                    | 744           | 0                      | 4,729            | 4,729                        | –             | 13           | 13           |
| Italy .....                 | 15           | 7,802          | 1                    | 135           | 1                      | 9,531            | 49,105                       | 108           | 26           | 135          |
| Jamaica .....               | 0            | 7              | 16                   | 85            | 1                      | 13,589           | 13,589                       | –             | 37           | 37           |
| Japan .....                 | 23           | 21,443         | 5                    | 186           | 46                     | 146,597          | 170,128                      | 64            | 402          | 466          |
| Korea, South .....          | 2            | 3,851          | 15                   | 106           | 4                      | 50,981           | 139,276                      | 242           | 140          | 382          |
| Lebanon .....               | 0            | 1,207          | –                    | 16            | –                      | 8,315            | 8,315                        | –             | 23           | 23           |
| Mexico .....                | 228          | 25,842         | 2,549                | 10,182        | 159                    | 434,910          | 435,961                      | 3             | 1,192        | 1,194        |
| Montenegro .....            | –            | 472            | –                    | –             | –                      | 472              | 472                          | –             | 1            | 1            |
| Morocco .....               | –            | 5,890          | 1                    | 1             | –                      | 18,166           | 18,166                       | –             | 50           | 50           |
| Mozambique .....            | –            | 875            | –                    | 0             | –                      | 875              | 875                          | –             | 2            | 2            |
| Netherlands .....           | 33           | 3,381          | 13                   | 1,070         | 3                      | 74,952           | 123,041                      | 132           | 205          | 337          |
| New Zealand .....           | 0            | 548            | 2                    | 11            | –                      | 635              | 635                          | –             | 2            | 2            |
| Nicaragua .....             | 0            | 202            | –                    | 55            | –                      | 5,220            | 7,297                        | 6             | 14           | 20           |
| Nigeria .....               | –            | 1              | 36                   | 1,030         | 0                      | 4,372            | 4,372                        | –             | 12           | 12           |
| Norway .....                | 0            | 1,414          | 0                    | 4             | –                      | 10,516           | 23,287                       | 35            | 29           | 64           |
| Pakistan .....              | 1            | 0              | 1                    | 4             | 0                      | 7                | 7                            | –             | 0            | 0            |
| Panama .....                | 0            | –              | 274                  | 232           | 0                      | 39,681           | 40,185                       | 1             | 109          | 110          |
| Peru .....                  | 1            | 182            | 1                    | 845           | 2                      | 40,956           | 43,349                       | 7             | 112          | 119          |
| Philippines .....           | 1            | 1              | –                    | 20            | 3                      | 1,990            | 1,990                        | –             | 5            | 5            |
| Portugal .....              | 0            | 1,148          | –                    | 1             | –                      | 4,315            | 6,506                        | 6             | 12           | 18           |
| Puerto Rico .....           | 1            | –              | 51                   | 165           | 0                      | 718              | 718                          | –             | 2            | 2            |
| Romania .....               | 0            | 1,100          | –                    | 1             | –                      | 2,940            | 2,940                        | –             | 8            | 8            |
| Saudi Arabia .....          | 1            | 287            | 0                    | 49            | 2                      | 1,481            | 1,481                        | –             | 4            | 4            |
| Serbia (Excludes Kosovo) .. | –            | –              | 1                    | –             | –                      | 1                | 1                            | –             | 0            | 0            |
| Singapore .....             | 2            | 1              | 8                    | 898           | 0                      | 52,056           | 67,643                       | 43            | 143          | 185          |
| South Africa .....          | 1            | 938            | 1                    | 550           | –                      | 4,192            | 6,256                        | 6             | 11           | 17           |
| Spain .....                 | 5            | 6,259          | 339                  | 16            | 0                      | 21,296           | 29,416                       | 22            | 58           | 81           |
| Switzerland .....           | 0            | 0              | 0                    | 1             | –                      | 4,344            | 5,938                        | 4             | 12           | 16           |
| Taiwan .....                | 3            | 1              | 5                    | 55            | 2                      | 10,588           | 58,568                       | 131           | 29           | 160          |
| Thailand .....              | 1            | 482            | 3                    | 47            | 3                      | 2,358            | 16,314                       | 38            | 6            | 45           |
| Trinidad and Tobago .....   | 0            | 1              | 1                    | 81            | 0                      | 1,213            | 1,213                        | –             | 3            | 3            |
| Turkey .....                | 0            | 21,557         | 1                    | 148           | –                      | 31,988           | 31,988                       | –             | 88           | 88           |
| United Arab Emirates .....  | 0            | 1,707          | 6                    | 646           | 0                      | 5,503            | 15,787                       | 28            | 15           | 43           |
| United Kingdom .....        | 3            | 1,767          | 3                    | 14            | 1                      | 38,516           | 99,334                       | 167           | 106          | 272          |
| Venezuela .....             | 0            | 192            | –                    | 98            | 0                      | 45,121           | 45,121                       | –             | 124          | 124          |
| Other .....                 | 12           | 8,030          | 665                  | 795           | 12                     | 69,856           | 86,468                       | 45            | 191          | 236          |
| <b>Total .....</b>          | <b>1,554</b> | <b>214,443</b> | <b>9,238</b>         | <b>38,504</b> | <b>356</b>             | <b>2,026,911</b> | <b>2,774,451</b>             | <b>2,048</b>  | <b>5,553</b> | <b>7,601</b> |

– = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

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

Sources: U.S. Census Bureau and EIA estimates.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2018**  
(Thousand Barrels per Day)

| Country of Origin                     | Crude Oil <sup>1</sup> | Natural Gas Liquids | Refinery Olefins | Unfinished Oils | Finished Motor Gasoline |              |             | Motor Gasoline Blending Components |              |            |
|---------------------------------------|------------------------|---------------------|------------------|-----------------|-------------------------|--------------|-------------|------------------------------------|--------------|------------|
|                                       |                        |                     |                  |                 | Reformulated            | Conventional | Total       | Reformulated                       | Conventional | Total      |
| <b>OPEC</b> .....                     | <b>2,555</b>           | <b>-35</b>          | <b>-</b>         | <b>117</b>      | <b>-</b>                | <b>-53</b>   | <b>-53</b>  | <b>0</b>                           | <b>39</b>    | <b>39</b>  |
| Algeria .....                         | 79                     | 0                   | -                | 95              | -                       | -            | -           | -                                  | 1            | 1          |
| Angola .....                          | 90                     | 0                   | -                | 0               | -                       | -            | -           | -                                  | 4            | 4          |
| Congo (Brazzaville) .....             | 10                     | -                   | -                | 5               | -                       | -            | -           | -                                  | -            | -          |
| Ecuador .....                         | 176                    | -29                 | -                | -1              | -                       | -22          | -22         | 0                                  | -2           | -2         |
| Equatorial Guinea .....               | 19                     | -                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| Gabon .....                           | 5                      | -                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| Iran .....                            | -                      | -                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| Iraq .....                            | 518                    | -                   | -                | 2               | -                       | 0            | 0           | -                                  | -            | -          |
| Kuwait .....                          | 78                     | 0                   | -                | 0               | -                       | 0            | 0           | 0                                  | -            | 0          |
| Libya .....                           | 55                     | -                   | -                | 0               | -                       | -            | -           | -                                  | -            | -          |
| Nigeria .....                         | 175                    | -1                  | -                | 2               | -                       | -4           | -4          | -                                  | 10           | 10         |
| Qatar .....                           | -                      | 0                   | -                | 0               | -                       | 0            | 0           | 0                                  | -            | 0          |
| Saudi Arabia .....                    | 870                    | 0                   | -                | 4               | -                       | 2            | 2           | -                                  | 8            | 8          |
| United Arab Emirates .....            | -23                    | 0                   | -                | 48              | -                       | 0            | 0           | -                                  | 0            | 0          |
| Venezuela .....                       | 506                    | -5                  | -                | -38             | -                       | -28          | -28         | 0                                  | 18           | 18         |
| <b>Non-OPEC</b> .....                 | <b>3,166</b>           | <b>-1,393</b>       | <b>24</b>        | <b>230</b>      | <b>-</b>                | <b>-781</b>  | <b>-781</b> | <b>177</b>                         | <b>364</b>   | <b>541</b> |
| Argentina .....                       | 21                     | 0                   | -                | -4              | -                       | -8           | -8          | 0                                  | 2            | 2          |
| Aruba .....                           | -                      | 0                   | -                | 0               | -                       | -2           | -2          | 0                                  | -            | 0          |
| Australia .....                       | 1                      | -8                  | -                | 0               | -                       | -5           | -5          | 0                                  | 0            | 0          |
| Bahamas .....                         | -3                     | -2                  | -                | 0               | -                       | -4           | -4          | 0                                  | 0            | 0          |
| Bahrain .....                         | -                      | -                   | -                | 0               | -                       | 0            | 0           | -                                  | -            | -          |
| Belgium .....                         | -                      | -2                  | -                | 39              | -                       | 1            | 1           | 4                                  | 18           | 22         |
| Brazil .....                          | 101                    | -64                 | -                | -12             | -                       | -36          | -36         | 0                                  | 19           | 19         |
| Brunei .....                          | 15                     | 0                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| Cameroon .....                        | 3                      | -1                  | -                | 2               | -                       | 0            | 0           | -                                  | -            | -          |
| Canada .....                          | 3,267                  | -125                | 19               | -38             | -                       | -20          | -20         | 92                                 | 23           | 115        |
| Chad .....                            | 20                     | 0                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| China .....                           | -231                   | -80                 | -                | -4              | -                       | 0            | 0           | -                                  | 0            | 0          |
| Colombia .....                        | 271                    | 0                   | -                | -47             | -                       | -22          | -22         | 0                                  | 16           | 16         |
| Denmark .....                         | -10                    | -                   | -                | 6               | -                       | -            | -           | 0                                  | 0            | 1          |
| Dominican Republic .....              | -10                    | -39                 | -                | 0               | -                       | -12          | -12         | 0                                  | 0            | 0          |
| Estonia .....                         | -                      | -                   | -                | 0               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Finland .....                         | -                      | -                   | -                | 2               | -                       | 0            | 0           | 1                                  | 12           | 12         |
| France .....                          | -23                    | -12                 | 0                | 4               | -                       | 6            | 6           | 12                                 | 11           | 23         |
| Germany .....                         | -3                     | 0                   | -                | 2               | -                       | 0            | 0           | 0                                  | 1            | 1          |
| Guatemala .....                       | 7                      | -15                 | -                | 0               | -                       | -35          | -35         | 0                                  | 0            | 0          |
| Honduras .....                        | -                      | -11                 | -                | 0               | -                       | -17          | -17         | 0                                  | -            | 0          |
| India .....                           | -151                   | -74                 | -                | -1              | -                       | 2            | 2           | 1                                  | 53           | 55         |
| Indonesia .....                       | 40                     | -41                 | -                | 0               | -                       | 0            | 0           | -                                  | -            | -          |
| Italy .....                           | -107                   | -1                  | -                | 11              | -                       | 1            | 1           | 0                                  | 9            | 9          |
| Japan .....                           | -64                    | -293                | -                | -18             | -                       | 0            | 0           | 0                                  | 3            | 3          |
| Korea, South .....                    | -242                   | -109                | -                | -5              | -                       | -3           | -3          | 0                                  | 6            | 6          |
| Latvia .....                          | -                      | 0                   | -                | 0               | -                       | -            | -           | -                                  | -            | -          |
| Lithuania .....                       | -                      | -                   | -                | -               | -                       | -            | -           | -                                  | 2            | 2          |
| Malaysia .....                        | -17                    | 0                   | -                | 1               | -                       | 0            | 0           | 0                                  | 0            | 0          |
| Mexico .....                          | 662                    | -140                | 1                | -7              | -                       | -511         | -511        | 0                                  | -5           | -5         |
| Netherlands .....                     | -132                   | -58                 | -                | -3              | -                       | -12          | -12         | 14                                 | 21           | 35         |
| Norway .....                          | 18                     | -21                 | -                | 17              | -                       | 2            | 2           | 4                                  | 16           | 19         |
| Oman .....                            | -                      | 0                   | -                | 0               | -                       | -            | -           | -                                  | -            | -          |
| Panama .....                          | -1                     | -1                  | -                | 0               | -                       | -22          | -22         | 0                                  | 0            | 0          |
| Portugal .....                        | -6                     | -9                  | -                | -               | -                       | 3            | 3           | 4                                  | 21           | 25         |
| Puerto Rico .....                     | -                      | 0                   | -                | 0               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Russia .....                          | 73                     | 0                   | -                | 235             | -                       | 1            | 1           | 1                                  | 33           | 34         |
| Spain .....                           | -22                    | -27                 | -                | 9               | -                       | 1            | 1           | 0                                  | 39           | 39         |
| Sweden .....                          | -2                     | -7                  | -                | 2               | -                       | 3            | 3           | 0                                  | 7            | 7          |
| Trinidad and Tobago .....             | 7                      | 1                   | -                | 1               | -                       | -1           | -1          | -                                  | -            | -          |
| United Kingdom .....                  | -110                   | -42                 | -                | 7               | -                       | 4            | 4           | 44                                 | 29           | 73         |
| Vietnam .....                         | 2                      | 0                   | -                | 0               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Virgin Islands, U.S. .....            | -                      | -3                  | -                | 0               | -                       | 0            | 0           | -                                  | 0            | 0          |
| Yemen .....                           | -                      | -                   | -                | -               | -                       | -            | -           | -                                  | -            | -          |
| Other .....                           | -213                   | -209                | 4                | 31              | -                       | -95          | -95         | 0                                  | 28           | 28         |
| <b>Total</b> .....                    | <b>5,720</b>           | <b>-1,428</b>       | <b>24</b>        | <b>348</b>      | <b>-</b>                | <b>-834</b>  | <b>-834</b> | <b>177</b>                         | <b>403</b>   | <b>579</b> |
| <b>Persian Gulf<sup>2</sup></b> ..... | <b>1,444</b>           | <b>0</b>            | <b>-</b>         | <b>55</b>       | <b>-</b>                | <b>2</b>     | <b>2</b>    | <b>0</b>                           | <b>8</b>     | <b>8</b>   |

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2018**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Oxygenates                         |                  | Renewable Fuels |                      |                        |                       | Distillate Fuel Oil     |                                       |                 |                       | Total  |
|---------------------------------------|------------------------------------|------------------|-----------------|----------------------|------------------------|-----------------------|-------------------------|---------------------------------------|-----------------|-----------------------|--------|
|                                       | Methyl Tertiary Butyl Ether (MTBE) | Other Oxygenates | Fuel Ethanol    | Biomass-Based Diesel | Other Renewable Diesel | Other Renewable Fuels | 15 ppm sulfur and under | Greater than 15 ppm to 500 ppm sulfur | 501 to 2000 ppm | Greater than 2000 ppm |        |
| <b>OPEC</b> .....                     | -5                                 | 0                | -7              | -                    | -                      | -                     | -36                     | -9                                    | -15             | 0                     | -60    |
| Algeria .....                         | -                                  | -                | -               | -                    | -                      | -                     | -3                      | -1                                    | -3              | -                     | -7     |
| Angola .....                          | -                                  | -                | -               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Congo (Brazzaville) .....             | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Ecuador .....                         | -                                  | 0                | 0               | -                    | -                      | -                     | -32                     | -6                                    | -9              | -                     | -47    |
| Equatorial Guinea .....               | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Gabon .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Iran .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Iraq .....                            | -                                  | 0                | -               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Kuwait .....                          | -                                  | -                | 0               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Libya .....                           | -                                  | -                | -               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Nigeria .....                         | -                                  | -                | -1              | -                    | -                      | -                     | -                       | -                                     | 0               | -                     | 0      |
| Qatar .....                           | -                                  | -                | 0               | -                    | -                      | -                     | 7                       | -                                     | -               | -                     | 7      |
| Saudi Arabia .....                    | -                                  | 0                | -1              | -                    | -                      | -                     | 16                      | -                                     | 0               | -                     | 16     |
| United Arab Emirates .....            | -                                  | 0                | -5              | -                    | -                      | -                     | -1                      | -                                     | -               | -                     | -1     |
| Venezuela .....                       | -5                                 | 0                | 0               | -                    | -                      | -                     | -23                     | -2                                    | -3              | 0                     | -28    |
| <b>Non-OPEC</b> .....                 | -29                                | -25              | -101            | 4                    | 11                     | -                     | -885                    | -93                                   | -78             | 3                     | -1,054 |
| Argentina .....                       | 0                                  | 0                | 0               | -                    | -                      | -                     | -24                     | -5                                    | -4              | -                     | -34    |
| Aruba .....                           | -                                  | -                | 0               | -                    | -                      | -                     | -1                      | 0                                     | -               | -                     | -1     |
| Australia .....                       | 0                                  | 0                | 0               | 0                    | -                      | -                     | 0                       | -                                     | 0               | -                     | 0      |
| Bahamas .....                         | -                                  | 0                | 0               | 0                    | -                      | -                     | -3                      | -1                                    | -7              | -                     | -11    |
| Bahrain .....                         | -                                  | -                | 0               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Belgium .....                         | 0                                  | 0                | 0               | -                    | -                      | -                     | -9                      | -2                                    | -2              | -                     | -12    |
| Brazil .....                          | 1                                  | 3                | -29             | -                    | -                      | -                     | -139                    | -9                                    | -7              | -                     | -154   |
| Brunei .....                          | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Cameroon .....                        | -                                  | -                | -               | 0                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Canada .....                          | -                                  | 0                | -23             | 0                    | -                      | -                     | 72                      | -13                                   | 6               | 0                     | 66     |
| Chad .....                            | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| China .....                           | 0                                  | 0                | -4              | 0                    | -                      | -                     | 4                       | -                                     | 0               | -                     | 4      |
| Colombia .....                        | -                                  | 0                | -3              | -                    | -                      | -                     | -10                     | 0                                     | 0               | 1                     | -9     |
| Denmark .....                         | -                                  | -                | 0               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Dominican Republic .....              | -                                  | 0                | 0               | -                    | -                      | -                     | -8                      | -3                                    | -6              | -                     | -16    |
| Estonia .....                         | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Finland .....                         | -                                  | -                | 0               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| France .....                          | -                                  | 0                | 0               | 1                    | -                      | -                     | -47                     | 0                                     | -1              | -                     | -48    |
| Germany .....                         | 0                                  | 0                | 0               | 4                    | -                      | -                     | -1                      | -                                     | -               | -                     | -1     |
| Guatemala .....                       | -                                  | 0                | 0               | -                    | -                      | -                     | -23                     | -10                                   | -2              | -                     | -35    |
| Honduras .....                        | -                                  | -                | 0               | -                    | -                      | -                     | -7                      | -8                                    | -4              | -                     | -18    |
| India .....                           | 0                                  | 0                | -10             | 0                    | -                      | -                     | 8                       | -                                     | -               | -                     | 8      |
| Indonesia .....                       | -                                  | 0                | 0               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Italy .....                           | -                                  | 0                | 0               | -                    | -                      | -                     | -3                      | 0                                     | -               | -                     | -3     |
| Japan .....                           | -                                  | -30              | 0               | 0                    | -                      | -                     | 1                       | -                                     | 0               | -                     | 1      |
| Korea, South .....                    | 0                                  | 0                | -6              | 0                    | -                      | -                     | 1                       | -                                     | -1              | -                     | -1     |
| Latvia .....                          | -                                  | 0                | -               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Lithuania .....                       | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Malaysia .....                        | -                                  | 0                | -2              | -                    | -                      | -                     | 1                       | -                                     | -1              | -                     | -1     |
| Mexico .....                          | -26                                | 0                | -2              | 0                    | -                      | -                     | -284                    | -3                                    | 0               | -                     | -287   |
| Netherlands .....                     | 1                                  | 2                | -5              | 0                    | -                      | -                     | -44                     | -4                                    | -6              | 0                     | -54    |
| Norway .....                          | -                                  | 0                | 0               | 0                    | -                      | -                     | 0                       | -                                     | 0               | -                     | 0      |
| Oman .....                            | -                                  | -                | -2              | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Panama .....                          | -                                  | 0                | 0               | -                    | -                      | -                     | -39                     | -4                                    | -6              | -                     | -49    |
| Portugal .....                        | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Puerto Rico .....                     | 0                                  | 0                | -1              | 0                    | -                      | -                     | 0                       | 0                                     | -               | -                     | 0      |
| Russia .....                          | 1                                  | -                | 0               | -                    | -                      | -                     | 9                       | 2                                     | 1               | 0                     | 13     |
| Spain .....                           | -                                  | 0                | -1              | 0                    | -                      | -                     | -10                     | -                                     | -               | -                     | -10    |
| Sweden .....                          | -                                  | 0                | 0               | -                    | -                      | -                     | 0                       | -                                     | 0               | -                     | 0      |
| Trinidad and Tobago .....             | -                                  | -                | 0               | 0                    | -                      | -                     | 0                       | 0                                     | 0               | -                     | 0      |
| United Kingdom .....                  | -                                  | 0                | 0               | -                    | -                      | -                     | -33                     | -1                                    | -               | -                     | -34    |
| Vietnam .....                         | -                                  | 0                | 0               | -                    | -                      | -                     | 0                       | -                                     | -               | -                     | 0      |
| Virgin Islands, U.S. ....             | -                                  | -                | 0               | -                    | -                      | -                     | -4                      | -2                                    | -5              | -                     | -11    |
| Yemen .....                           | -                                  | -                | -               | -                    | -                      | -                     | -                       | -                                     | -               | -                     | -      |
| Other .....                           | -6                                 | 0                | -13             | -1                   | 11                     | -                     | -292                    | -30                                   | -33             | 2                     | -357   |
| <b>Total</b> .....                    | -34                                | -25              | -108            | 4                    | 11                     | -                     | -921                    | -102                                  | -94             | 3                     | -1,114 |
| <b>Persian Gulf<sup>2</sup></b> ..... | -                                  | 0                | -6              | -                    | -                      | -                     | 22                      | -                                     | 0               | -                     | 22     |

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2018**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Kerosene  | Finished Aviation Gasoline | Aviation Gasoline Blending Components | Kerosene-Type Jet Fuel | Special Naphthas | Residual Fuel Oil | Petrochemical Feedstocks |            |
|---------------------------------------|-----------|----------------------------|---------------------------------------|------------------------|------------------|-------------------|--------------------------|------------|
|                                       |           |                            |                                       |                        |                  |                   | Naphtha                  | Other Oils |
| <b>OPEC</b> .....                     | <b>0</b>  | <b>-</b>                   | <b>-</b>                              | <b>5</b>               | <b>0</b>         | <b>30</b>         | <b>2</b>                 | <b>-</b>   |
| Algeria .....                         | -         | -                          | -                                     | -                      | -                | 0                 | 1                        | -          |
| Angola .....                          | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Congo (Brazzaville) .....             | -         | -                          | -                                     | -                      | -                | 1                 | -                        | -          |
| Ecuador .....                         | 0         | -                          | -                                     | 0                      | -                | -5                | -                        | -          |
| Equatorial Guinea .....               | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Gabon .....                           | 0         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Iran .....                            | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Iraq .....                            | 0         | -                          | -                                     | 0                      | -                | -                 | -                        | -          |
| Kuwait .....                          | -         | -                          | -                                     | 0                      | -                | -                 | -                        | -          |
| Libya .....                           | -         | -                          | -                                     | -                      | -                | 0                 | -                        | -          |
| Nigeria .....                         | 0         | -                          | -                                     | -2                     | -                | -                 | 1                        | -          |
| Qatar .....                           | 0         | -                          | -                                     | 0                      | -                | 0                 | -                        | -          |
| Saudi Arabia .....                    | -         | -                          | -                                     | 0                      | 0                | -2                | -                        | -          |
| United Arab Emirates .....            | 0         | -                          | -                                     | 0                      | -                | -1                | -                        | -          |
| Venezuela .....                       | -         | -                          | -                                     | 5                      | -                | 37                | -                        | -          |
| <b>Non-OPEC</b> .....                 | <b>-2</b> | <b>0</b>                   | <b>-</b>                              | <b>-103</b>            | <b>13</b>        | <b>-140</b>       | <b>16</b>                | <b>4</b>   |
| Argentina .....                       | 0         | -                          | -                                     | -4                     | -                | 0                 | -                        | 0          |
| Aruba .....                           | 0         | -                          | -                                     | -2                     | -                | 0                 | -                        | -          |
| Australia .....                       | 0         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Bahamas .....                         | 0         | -                          | -                                     | -2                     | -                | -21               | -                        | -          |
| Bahrain .....                         | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Belgium .....                         | 0         | -                          | -                                     | -                      | 0                | 0                 | -                        | 0          |
| Brazil .....                          | 0         | -                          | -                                     | -7                     | 1                | 1                 | 0                        | 0          |
| Brunei .....                          | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Cameroon .....                        | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Canada .....                          | -2        | 0                          | -                                     | -32                    | 2                | 32                | 2                        | 2          |
| Chad .....                            | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| China .....                           | 0         | -                          | -                                     | 8                      | -                | -1                | -                        | -          |
| Colombia .....                        | 0         | -                          | -                                     | 0                      | -                | 8                 | -                        | -          |
| Denmark .....                         | -         | -                          | -                                     | -                      | -                | 0                 | -                        | -          |
| Dominican Republic .....              | 0         | -                          | -                                     | -8                     | -                | -1                | -                        | -          |
| Estonia .....                         | -         | -                          | -                                     | -                      | -                | 1                 | -                        | -          |
| Finland .....                         | -         | -                          | -                                     | 0                      | -                | 0                 | -                        | -          |
| France .....                          | -         | -                          | -                                     | -                      | 0                | 0                 | 0                        | 0          |
| Germany .....                         | 0         | -                          | -                                     | 0                      | 0                | -                 | -                        | -          |
| Guatemala .....                       | 0         | -                          | -                                     | -4                     | -                | -1                | -                        | -          |
| Honduras .....                        | 0         | -                          | -                                     | -2                     | -                | -8                | -                        | -          |
| India .....                           | 0         | -                          | -                                     | 6                      | 0                | 0                 | -                        | -          |
| Indonesia .....                       | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Italy .....                           | -         | -                          | -                                     | 0                      | -                | -                 | -                        | -          |
| Japan .....                           | 0         | -                          | -                                     | 11                     | 2                | 0                 | 3                        | -          |
| Korea, South .....                    | 1         | -                          | -                                     | 64                     | 6                | -2                | 0                        | -          |
| Latvia .....                          | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Lithuania .....                       | -         | -                          | -                                     | 0                      | -                | 0                 | -                        | -          |
| Malaysia .....                        | -         | -                          | -                                     | -                      | -                | -1                | -                        | -          |
| Mexico .....                          | 0         | -                          | -                                     | -55                    | 0                | -5                | 7                        | -          |
| Netherlands .....                     | 0         | 0                          | -                                     | -7                     | 0                | -30               | -                        | -          |
| Norway .....                          | 0         | -                          | -                                     | 0                      | -                | -                 | -                        | -          |
| Oman .....                            | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Panama .....                          | 0         | -                          | -                                     | -14                    | -                | -19               | -                        | -          |
| Portugal .....                        | -         | -                          | -                                     | -                      | 0                | -                 | -                        | -          |
| Puerto Rico .....                     | 0         | -                          | -                                     | 0                      | -                | 0                 | -                        | -          |
| Russia .....                          | -         | -                          | -                                     | 0                      | -                | 17                | -                        | -          |
| Spain .....                           | -         | -                          | -                                     | -1                     | -                | 0                 | -                        | -          |
| Sweden .....                          | 0         | -                          | -                                     | 0                      | -                | 1                 | -                        | -          |
| Trinidad and Tobago .....             | 0         | -                          | -                                     | -2                     | -                | 17                | -                        | -          |
| United Kingdom .....                  | 0         | -                          | -                                     | -15                    | -                | -7                | 1                        | 0          |
| Vietnam .....                         | 0         | -                          | -                                     | 0                      | -                | 0                 | -                        | -          |
| Virgin Islands, U.S. .....            | 0         | -                          | -                                     | -2                     | -                | -12               | -                        | -          |
| Yemen .....                           | -         | -                          | -                                     | -                      | -                | -                 | -                        | -          |
| Other .....                           | -1        | 0                          | -                                     | -35                    | 2                | -109              | 3                        | 2          |
| <b>Total</b> .....                    | <b>-3</b> | <b>0</b>                   | <b>-</b>                              | <b>-99</b>             | <b>13</b>        | <b>-110</b>       | <b>18</b>                | <b>4</b>   |
| <b>Persian Gulf<sup>2</sup></b> ..... | <b>0</b>  | <b>-</b>                   | <b>-</b>                              | <b>1</b>               | <b>0</b>         | <b>-2</b>         | <b>-</b>                 | <b>-</b>   |

See footnotes at end of table.

**Table 33. Net Imports of Crude Oil and Petroleum Products into the United States by Country, 2018**  
(Thousand Barrels per Day) — Continued

| Country of Origin                     | Waxes    | Petroleum Coke | Asphalt and Road Oil | Lubricants | Miscellaneous Products | Total Products | Total Crude Oil and Products |
|---------------------------------------|----------|----------------|----------------------|------------|------------------------|----------------|------------------------------|
| <b>OPEC</b> .....                     | <b>0</b> | <b>-11</b>     | <b>2</b>             | <b>3</b>   | <b>0</b>               | <b>25</b>      | <b>2,580</b>                 |
| Algeria .....                         | 0        | 0              | 0                    | 0          | -                      | 91             | 169                          |
| Angola .....                          | -        | -              | 0                    | 0          | -                      | 4              | 94                           |
| Congo (Brazzaville) .....             | -        | -              | 0                    | -          | -                      | 5              | 16                           |
| Ecuador .....                         | 0        | -4             | 0                    | -3         | 0                      | -114           | 61                           |
| Equatorial Guinea .....               | -        | -              | 0                    | 0          | -                      | 0              | 19                           |
| Gabon .....                           | -        | -              | 0                    | 0          | -                      | 0              | 5                            |
| Iran .....                            | -        | -              | -                    | 0          | -                      | 0              | 0                            |
| Iraq .....                            | 0        | -              | -                    | 0          | -                      | 3              | 521                          |
| Kuwait .....                          | 0        | 0              | 0                    | 0          | 0                      | 1              | 79                           |
| Libya .....                           | -        | -              | 0                    | 0          | -                      | 1              | 56                           |
| Nigeria .....                         | -        | 0              | 0                    | -3         | 0                      | 2              | 177                          |
| Qatar .....                           | 0        | -1             | -1                   | 9          | -                      | 14             | 14                           |
| Saudi Arabia .....                    | 0        | -1             | 0                    | 0          | 0                      | 26             | 897                          |
| United Arab Emirates .....            | 0        | -5             | 0                    | 1          | 0                      | 38             | 15                           |
| Venezuela .....                       | 0        | -1             | 2                    | 0          | 0                      | -43            | 462                          |
| <b>Non-OPEC</b> .....                 | <b>1</b> | <b>-565</b>    | <b>11</b>            | <b>-65</b> | <b>-1</b>              | <b>-3,404</b>  | <b>-239</b>                  |
| Argentina .....                       | 0        | 1              | -1                   | -2         | 0                      | -50            | -29                          |
| Aruba .....                           | -        | -              | 0                    | 0          | -                      | -6             | -6                           |
| Australia .....                       | 0        | -8             | -1                   | -1         | 0                      | -22            | -20                          |
| Bahamas .....                         | -        | -              | 0                    | 0          | 0                      | -42            | -44                          |
| Bahrain .....                         | 0        | -              | -                    | 3          | -                      | 3              | 3                            |
| Belgium .....                         | 0        | -9             | 0                    | -13        | 0                      | 26             | 26                           |
| Brazil .....                          | 0        | -43            | 0                    | -9         | 0                      | -330           | -229                         |
| Brunei .....                          | -        | 0              | -                    | 0          | -                      | 0              | 15                           |
| Cameroon .....                        | -        | -              | 0                    | 0          | -                      | 2              | 5                            |
| Canada .....                          | -2       | -20            | 23                   | -1         | 0                      | 1              | 3,268                        |
| Chad .....                            | -        | -              | -                    | 0          | -                      | 0              | 20                           |
| China .....                           | 2        | -53            | 0                    | -1         | 0                      | -127           | -357                         |
| Colombia .....                        | 0        | 1              | 0                    | -4         | 0                      | -59            | 212                          |
| Denmark .....                         | 0        | -3             | 0                    | 0          | -                      | 4              | -6                           |
| Dominican Republic .....              | 0        | -4             | -2                   | -1         | 0                      | -83            | -93                          |
| Estonia .....                         | 0        | -              | -                    | 0          | -                      | 1              | 1                            |
| Finland .....                         | 0        | -1             | 0                    | 0          | -                      | 13             | 13                           |
| France .....                          | 0        | -10            | -                    | -1         | 0                      | -36            | -59                          |
| Germany .....                         | 0        | 0              | 0                    | -1         | 0                      | 5              | 3                            |
| Guatemala .....                       | 0        | -9             | 0                    | -1         | -                      | -100           | -93                          |
| Honduras .....                        | 0        | -7             | -1                   | 0          | 0                      | -65            | -65                          |
| India .....                           | 0        | -53            | 0                    | -4         | 0                      | -72            | -223                         |
| Indonesia .....                       | 0        | 0              | 0                    | 2          | 0                      | -38            | 1                            |
| Italy .....                           | 0        | -21            | 0                    | 0          | 0                      | -3             | -111                         |
| Japan .....                           | 0        | -59            | 0                    | 0          | 0                      | -381           | -445                         |
| Korea, South .....                    | 0        | -11            | 0                    | 13         | 0                      | -46            | -288                         |
| Latvia .....                          | 0        | -              | -                    | 0          | 0                      | 0              | 0                            |
| Lithuania .....                       | 0        | 0              | -                    | 0          | -                      | 2              | 2                            |
| Malaysia .....                        | 0        | 0              | 0                    | 0          | 0                      | -4             | -21                          |
| Mexico .....                          | -1       | -71            | -7                   | -28        | 0                      | -1,137         | -475                         |
| Netherlands .....                     | 0        | -9             | 0                    | -3         | 0                      | -143           | -275                         |
| Norway .....                          | 0        | -4             | 0                    | 0          | 0                      | 12             | 31                           |
| Oman .....                            | 0        | 1              | 0                    | 0          | -                      | -1             | -1                           |
| Panama .....                          | 0        | -              | -1                   | -1         | 0                      | -106           | -108                         |
| Portugal .....                        | 0        | -3             | -                    | 0          | 0                      | 16             | 10                           |
| Puerto Rico .....                     | 0        | -              | 0                    | 0          | 0                      | -2             | -2                           |
| Russia .....                          | 0        | 1              | 0                    | 0          | -                      | 302            | 375                          |
| Spain .....                           | 0        | -17            | 3                    | 0          | 0                      | -4             | -26                          |
| Sweden .....                          | 0        | 0              | 0                    | 0          | 0                      | 4              | 2                            |
| Trinidad and Tobago .....             | 0        | 0              | 0                    | 0          | 0                      | 16             | 24                           |
| United Kingdom .....                  | 0        | -4             | 0                    | 1          | 0                      | -17            | -126                         |
| Vietnam .....                         | 0        | 0              | 0                    | 0          | 0                      | 0              | 2                            |
| Virgin Islands, U.S. ....             | -        | -              | 0                    | 0          | -                      | -28            | -28                          |
| Yemen .....                           | -        | -              | -                    | 0          | -                      | 0              | 0                            |
| Other .....                           | 2        | -150           | -2                   | -13        | -1                     | -909           | -1,127                       |
| <b>Total</b> .....                    | <b>1</b> | <b>-576</b>    | <b>13</b>            | <b>-62</b> | <b>-1</b>              | <b>-3,379</b>  | <b>2,341</b>                 |
| <b>Persian Gulf<sup>2</sup></b> ..... | <b>0</b> | <b>-7</b>      | <b>-1</b>            | <b>13</b>  | <b>0</b>               | <b>85</b>      | <b>1,528</b>                 |

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

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

Sources: U.S. Census Bureau and EIA estimates.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels)

| Commodity   | PAD Districts  |                |                |               |               | U.S. Total       |
|---|----------------|----------------|----------------|---------------|---------------|------------------|
|   | 1              | 2              | 3              | 4             | 5             |                  |
| <b>Crude Oil</b> .....  | <b>11,655</b>  | <b>132,102</b> | <b>881,191</b> | <b>21,540</b> | <b>45,152</b> | <b>1,091,640</b> |
| Refinery .....  | 9,464          | 13,919         | 47,492         | 2,283         | 19,263        | 92,421           |
| Tank Farms and Pipelines (Includes Cushing, OK) ....                  | 2,191          | 118,183        | 184,560        | 19,257        | 22,116        | 346,307          |
| Cushing, Oklahoma .....   | -              | 41,895         | -              | -             | -             | 41,895           |
| Leases .....  | -              | -              | -              | -             | -             | -                |
| Strategic Petroleum Reserve <sup>1</sup> .....                        | -              | -              | 649,139        | -             | -             | 649,139          |
| Alaskan In Transit .....  | -              | -              | -              | -             | 3,773         | 3,773            |
| <b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> ..... | <b>154,507</b> | <b>186,310</b> | <b>367,551</b> | <b>22,111</b> | <b>91,148</b> | <b>821,628</b>   |
| Refinery .....  | 16,992         | 50,033         | 128,868        | 11,589        | 51,100        | 258,582          |
| Bulk Terminal .....   | 108,836        | 98,745         | 181,809        | 6,212         | 35,194        | 430,797          |
| Pipeline .....  | 28,427         | 35,887         | 55,515         | 4,150         | 4,715         | 128,694          |
| Natural Gas Processing Plant .....                                    | 252            | 1,645          | 1,359          | 160           | 139           | 3,555            |
| <b>Natural Gas Liquids</b> .....                                      | <b>8,749</b>   | <b>49,674</b>  | <b>115,514</b> | <b>3,423</b>  | <b>3,501</b>  | <b>180,861</b>   |
| Refinery .....  | 590            | 3,284          | 7,324          | 372           | 1,297         | 12,867           |
| Bulk Terminal .....   | 6,348          | 29,178         | 89,224         | 806           | 2,065         | 127,621          |
| Pipeline .....  | 1,559          | 15,567         | 17,607         | 2,085         | -             | 36,818           |
| Natural Gas Processing Plant .....                                    | 252            | 1,645          | 1,359          | 160           | 139           | 3,555            |
| <b>Ethane</b> .....   | <b>843</b>     | <b>5,211</b>   | <b>43,323</b>  | <b>465</b>    | <b>-</b>      | <b>49,842</b>    |
| Refinery .....  | -              | -              | 188            | -             | -             | 188              |
| Bulk Terminal .....   | 648            | 2,002          | 37,106         | -             | -             | 39,756           |
| Pipeline .....  | 195            | 3,063          | 5,922          | 465           | -             | 9,645            |
| Natural Gas Processing Plant .....                                    | -              | 146            | 107            | -             | -             | 253              |
| <b>Propane</b> .....  | <b>5,987</b>   | <b>20,690</b>  | <b>34,260</b>  | <b>1,396</b>  | <b>1,405</b>  | <b>63,738</b>    |
| Refinery .....  | 95             | 1,024          | 1,121          | 56            | 111           | 2,407            |
| Bulk Terminal .....   | 4,507          | 15,538         | 26,457         | 432           | 1,282         | 48,216           |
| Pipeline .....  | 1,273          | 3,230          | 6,425          | 837           | -             | 11,765           |
| Natural Gas Processing Plant .....                                    | 112            | 898            | 257            | 71            | 12            | 1,350            |
| <b>Normal Butane</b> .....  | <b>1,420</b>   | <b>11,392</b>  | <b>22,421</b>  | <b>943</b>    | <b>1,658</b>  | <b>37,834</b>    |
| Refinery .....  | 363            | 1,488          | 4,406          | 224           | 807           | 7,288            |
| Bulk Terminal .....   | 987            | 8,510          | 15,732         | 366           | 779           | 26,374           |
| Pipeline .....  | 35             | 1,179          | 1,845          | 318           | -             | 3,377            |
| Natural Gas Processing Plant .....                                    | 35             | 215            | 438            | 35            | 72            | 795              |
| <b>Isobutane</b> .....  | <b>194</b>     | <b>1,961</b>   | <b>5,711</b>   | <b>267</b>    | <b>404</b>    | <b>8,537</b>     |
| Refinery .....  | 132            | 402            | 1,275          | 83            | 378           | 2,270            |
| Bulk Terminal .....   | -              | 858            | 3,394          | -             | -             | 4,252            |
| Pipeline .....  | 29             | 515            | 959            | 173           | -             | 1,676            |
| Natural Gas Processing Plant .....                                    | 33             | 186            | 83             | 11            | 26            | 339              |
| <b>Natural Gasoline</b> .....   | <b>305</b>     | <b>10,420</b>  | <b>9,799</b>   | <b>352</b>    | <b>34</b>     | <b>20,910</b>    |
| Refinery .....  | -              | 370            | 334            | 9             | 1             | 714              |
| Bulk Terminal .....   | 206            | 2,270          | 6,535          | 8             | 4             | 9,023            |
| Pipeline .....  | 27             | 7,580          | 2,456          | 292           | -             | 10,355           |
| Natural Gas Processing Plant .....                                    | 72             | 200            | 474            | 43            | 29            | 818              |
| <b>Refinery Olefins</b> .....   | <b>288</b>     | <b>436</b>     | <b>7,352</b>   | <b>37</b>     | <b>50</b>     | <b>8,163</b>     |
| Refinery .....  | 288            | 425            | 2,200          | 37            | 50            | 3,000            |
| Bulk Terminal .....   | -              | 11             | 5,152          | -             | -             | 5,163            |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |
| Natural Gas Processing Plant .....                                    | -              | -              | -              | -             | -             | -                |
| <b>Ethylene</b> .....   | <b>-</b>       | <b>-</b>       | <b>0</b>       | <b>-</b>      | <b>-</b>      | <b>0</b>         |
| Refinery .....  | -              | -              | 0              | -             | -             | 0                |
| Bulk Terminal .....   | -              | -              | -              | -             | -             | -                |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |
| Natural Gas Processing Plant .....                                    | -              | -              | -              | -             | -             | -                |
| <b>Propylene</b> .....  | <b>121</b>     | <b>362</b>     | <b>6,457</b>   | <b>1</b>      | <b>12</b>     | <b>6,953</b>     |
| Refinery .....  | 121            | 351            | 1,305          | 1             | 12            | 1,790            |
| Bulk Terminal .....   | -              | 11             | 5,152          | -             | -             | 5,163            |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |
| Natural Gas Processing Plant .....                                    | -              | -              | -              | -             | -             | -                |
| <b>Butylene</b> .....   | <b>107</b>     | <b>4</b>       | <b>895</b>     | <b>31</b>     | <b>38</b>     | <b>1,075</b>     |
| Refinery .....  | 107            | 4              | 895            | 31            | 38            | 1,075            |
| Bulk Terminal .....   | -              | -              | -              | -             | -             | -                |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |
| Natural Gas Processing Plant .....                                    | -              | -              | -              | -             | -             | -                |
| <b>Isobutylene</b> .....  | <b>60</b>      | <b>70</b>      | <b>0</b>       | <b>5</b>      | <b>0</b>      | <b>135</b>       |
| Refinery .....  | 60             | 70             | 0              | 5             | 0             | 135              |
| Bulk Terminal .....   | -              | -              | -              | -             | -             | -                |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |
| Natural Gas Processing Plant .....                                    | -              | -              | -              | -             | -             | -                |
| <b>Other Hydrocarbons</b> .....                                       | <b>-</b>       | <b>21</b>      | <b>-</b>       | <b>-</b>      | <b>-</b>      | <b>21</b>        |
| Refinery .....  | -              | 21             | -              | -             | -             | 21               |
| <b>Oxygenates (excluding Fuel Ethanol)</b> .....                      | <b>-</b>       | <b>4</b>       | <b>1,547</b>   | <b>-</b>      | <b>-</b>      | <b>1,551</b>     |
| Refinery .....  | -              | -              | -              | -             | -             | -                |
| Bulk Terminal .....   | -              | 4              | 1,547          | -             | -             | 1,551            |
| Pipeline .....  | -              | -              | -              | -             | -             | -                |

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels) — Continued

| Commodity   | PAD Districts |               |               |              |               | U.S. Total     |
|---|---------------|---------------|---------------|--------------|---------------|----------------|
|   | 1             | 2             | 3             | 4            | 5             |                |
| <b>MTBE</b> .....   | —             | —             | <b>1,358</b>  | —            | —             | <b>1,358</b>   |
| Refinery .....  | —             | —             | —             | —            | —             | —              |
| Bulk Terminal <sup>3</sup> .....                            | —             | —             | 1,358         | —            | —             | 1,358          |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Other Oxygenates<sup>4</sup></b> .....                   | —             | <b>4</b>      | <b>189</b>    | —            | —             | <b>193</b>     |
| Refinery .....  | —             | —             | —             | —            | —             | —              |
| Bulk Terminal .....   | —             | 4             | 189           | —            | —             | 193            |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Renewable Fuels (including Fuel Ethanol)</b> .....       | <b>8,094</b>  | <b>9,676</b>  | <b>6,690</b>  | <b>467</b>   | <b>4,961</b>  | <b>29,889</b>  |
| Refinery .....  | 223           | 119           | 449           | 228          | 457           | 1,476          |
| Bulk Terminal .....   | 7,871         | 9,557         | 6,241         | 236          | 4,504         | 28,410         |
| Pipeline .....  | —             | —             | —             | 3            | —             | 3              |
| <b>Fuel Ethanol<sup>2</sup></b> .....                       | <b>6,581</b>  | <b>8,759</b>  | <b>4,553</b>  | <b>353</b>   | <b>3,172</b>  | <b>23,418</b>  |
| Refinery .....  | 220           | 81            | 181           | 116          | 31            | 629            |
| Bulk Terminal .....   | 6,361         | 8,678         | 4,372         | 234          | 3,141         | 22,786         |
| Pipeline .....  | —             | —             | —             | 3            | —             | 3              |
| <b>Renewable Diesel Fuel<sup>5</sup></b> .....              | <b>1,513</b>  | <b>917</b>    | <b>2,135</b>  | <b>114</b>   | <b>1,737</b>  | <b>6,417</b>   |
| Refinery .....  | 3             | 38            | 268           | 112          | 426           | 847            |
| Bulk Terminal .....   | 1,510         | 879           | 1,867         | 2            | 1,311         | 5,570          |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Other Renewable Fuels</b> .....                          | —             | —             | <b>2</b>      | —            | <b>52</b>     | <b>54</b>      |
| Refinery .....  | —             | —             | —             | —            | —             | —              |
| Bulk Terminal .....   | —             | —             | 2             | —            | 52            | 54             |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Unfinished Oils</b> .....                                | <b>5,205</b>  | <b>12,744</b> | <b>45,013</b> | <b>3,497</b> | <b>19,450</b> | <b>85,909</b>  |
| <b>Naphthas and Lighter</b> .....                           | <b>1,554</b>  | <b>3,409</b>  | <b>10,783</b> | <b>627</b>   | <b>3,220</b>  | <b>19,593</b>  |
| Refinery .....  | 1,414         | 3,384         | 9,860         | 627          | 3,023         | 18,308         |
| Bulk Terminal .....   | 140           | 25            | 923           | —            | 197           | 1,285          |
| <b>Kerosene and Light Gas Oils</b> .....                    | <b>823</b>    | <b>2,214</b>  | <b>7,259</b>  | <b>649</b>   | <b>3,592</b>  | <b>14,537</b>  |
| Refinery .....  | 823           | 2,214         | 6,210         | 649          | 3,489         | 13,385         |
| Bulk Terminal .....   | —             | —             | 1,049         | —            | 103           | 1,152          |
| <b>Heavy Gas Oils</b> .....                                 | <b>2,241</b>  | <b>4,599</b>  | <b>21,846</b> | <b>1,751</b> | <b>10,028</b> | <b>40,465</b>  |
| Refinery .....  | 2,120         | 4,575         | 18,259        | 1,751        | 9,744         | 36,449         |
| Bulk Terminal .....   | 121           | 24            | 3,587         | —            | 284           | 4,016          |
| <b>Residuum</b> .....                                       | <b>587</b>    | <b>2,522</b>  | <b>5,125</b>  | <b>470</b>   | <b>2,610</b>  | <b>11,314</b>  |
| Refinery .....  | 587           | 2,276         | 4,877         | 470          | 2,581         | 10,791         |
| Bulk Terminal .....   | —             | 246           | 248           | —            | 29            | 523            |
| <b>Motor Gasoline Blending Components<sup>2</sup></b> ..... | <b>59,014</b> | <b>49,632</b> | <b>79,105</b> | <b>5,674</b> | <b>27,306</b> | <b>220,731</b> |
| Refinery .....  | 4,830         | 14,756        | 30,009        | 3,126        | 13,851        | 66,572         |
| Bulk Terminal .....   | 41,915        | 25,318        | 31,366        | 1,651        | 10,948        | 111,198        |
| Pipeline .....  | 12,269        | 9,558         | 17,730        | 897          | 2,507         | 42,961         |
| <b>Reformulated - RBOB</b> .....                            | <b>18,832</b> | <b>6,189</b>  | <b>12,316</b> | —            | <b>12,764</b> | <b>50,101</b>  |
| Refinery .....  | 1,210         | 1,142         | 1,643         | —            | 4,897         | 8,892          |
| Bulk Terminal .....   | 13,436        | 3,547         | 6,109         | —            | 6,535         | 29,627         |
| Pipeline .....  | 4,186         | 1,500         | 4,564         | —            | 1,332         | 11,582         |
| <b>Conventional</b> .....                                   | <b>40,182</b> | <b>43,443</b> | <b>66,789</b> | <b>5,674</b> | <b>14,542</b> | <b>170,630</b> |
| Refinery .....  | 3,620         | 13,614        | 28,366        | 3,126        | 8,954         | 57,680         |
| Bulk Terminal .....   | 28,479        | 21,771        | 25,257        | 1,651        | 4,413         | 81,571         |
| Pipeline .....  | 8,083         | 8,058         | 13,166        | 897          | 1,175         | 31,379         |
| <b>CBOB</b> .....   | <b>26,868</b> | <b>35,529</b> | <b>35,439</b> | <b>4,247</b> | <b>7,205</b>  | <b>109,288</b> |
| Refinery .....  | 777           | 6,486         | 11,770        | 1,702        | 2,370         | 23,105         |
| Bulk Terminal .....   | 18,008        | 21,112        | 10,652        | 1,648        | 3,666         | 55,086         |
| Pipeline .....  | 8,083         | 7,931         | 13,017        | 897          | 1,169         | 31,097         |
| <b>GTAB</b> .....   | <b>1,428</b>  | —             | <b>1</b>      | —            | —             | <b>1,429</b>   |
| Refinery .....  | —             | —             | 1             | —            | —             | 1              |
| Bulk Terminal .....   | 1,428         | —             | —             | —            | —             | 1,428          |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Other</b> .....  | <b>11,886</b> | <b>7,914</b>  | <b>31,349</b> | <b>1,427</b> | <b>7,337</b>  | <b>59,913</b>  |
| Refinery .....  | 2,843         | 7,128         | 16,595        | 1,424        | 6,584         | 34,574         |
| Bulk Terminal .....   | 9,043         | 659           | 14,605        | 3            | 747           | 25,057         |
| Pipeline .....  | —             | 127           | 149           | —            | 6             | 282            |
| <b>Aviation Gasoline Blending Components</b> .....          | —             | —             | <b>31</b>     | —            | —             | <b>31</b>      |
| Refinery .....  | —             | —             | 31            | —            | —             | 31             |
| Bulk Terminal .....   | —             | —             | —             | —            | —             | —              |
| <b>Finished Motor Gasoline</b> .....                        | <b>3,880</b>  | <b>6,504</b>  | <b>11,651</b> | <b>1,650</b> | <b>2,084</b>  | <b>25,769</b>  |
| Refinery .....  | 42            | 1,412         | 3,878         | 773          | 801           | 6,906          |
| Bulk Terminal .....   | 1,485         | 2,882         | 4,660         | 627          | 1,241         | 10,895         |
| Pipeline .....  | 2,353         | 2,210         | 3,113         | 250          | 42            | 7,968          |
| <b>Reformulated</b> .....                                   | <b>30</b>     | —             | —             | —            | <b>14</b>     | <b>44</b>      |
| Refinery .....  | —             | —             | —             | —            | 14            | 14             |
| Bulk Terminal .....   | 30            | —             | —             | —            | —             | 30             |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Reformulated (Blended with Fuel Ethanol)</b> .....       | <b>30</b>     | —             | —             | —            | <b>14</b>     | <b>44</b>      |
| Refinery .....  | —             | —             | —             | —            | 14            | 14             |
| Bulk Terminal .....   | 30            | —             | —             | —            | —             | 30             |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels) — Continued

| Commodity   | PAD Districts |               |               |              |               | U.S. Total     |
|---|---------------|---------------|---------------|--------------|---------------|----------------|
|   | 1             | 2             | 3             | 4            | 5             |                |
| <b>Reformulated (Other)</b> .....                     | —             | —             | —             | —            | —             | —              |
| Refinery .....  | —             | —             | —             | —            | —             | —              |
| Bulk Terminal .....                                   | —             | —             | —             | —            | —             | —              |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Conventional</b> .....                             | <b>3,850</b>  | <b>6,504</b>  | <b>11,651</b> | <b>1,650</b> | <b>2,070</b>  | <b>25,725</b>  |
| Refinery .....  | 42            | 1,412         | 3,878         | 773          | 787           | 6,892          |
| Bulk Terminal .....                                   | 1,455         | 2,882         | 4,660         | 627          | 1,241         | 10,865         |
| Pipeline .....  | 2,353         | 2,210         | 3,113         | 250          | 42            | 7,968          |
| <b>Conventional (Blended with Fuel Ethanol)</b> ..... | <b>28</b>     | <b>176</b>    | —             | <b>78</b>    | —             | <b>282</b>     |
| Refinery .....  | —             | —             | —             | 77           | —             | 77             |
| Bulk Terminal .....                                   | 28            | 176           | —             | 1            | —             | 205            |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Ed55 and Lower</b> .....                           | <b>28</b>     | <b>176</b>    | —             | <b>78</b>    | —             | <b>282</b>     |
| Refinery .....  | —             | —             | —             | 77           | —             | 77             |
| Bulk Terminal .....                                   | 28            | 176           | —             | 1            | —             | 205            |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Greater than Ed55</b> .....                        | —             | —             | —             | —            | —             | —              |
| Refinery .....  | —             | —             | —             | —            | —             | —              |
| Bulk Terminal .....                                   | —             | —             | —             | —            | —             | —              |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Conventional (Other)</b> .....                     | <b>3,822</b>  | <b>6,328</b>  | <b>11,651</b> | <b>1,572</b> | <b>2,070</b>  | <b>25,443</b>  |
| Refinery .....  | 42            | 1,412         | 3,878         | 696          | 787           | 6,815          |
| Bulk Terminal .....                                   | 1,427         | 2,706         | 4,660         | 626          | 1,241         | 10,660         |
| Pipeline .....  | 2,353         | 2,210         | 3,113         | 250          | 42            | 7,968          |
| <b>Finished Aviation Gasoline</b> .....               | <b>130</b>    | <b>166</b>    | <b>435</b>    | <b>10</b>    | <b>215</b>    | <b>956</b>     |
| Refinery .....  | —             | 60            | 374           | 10           | 137           | 581            |
| Bulk Terminal .....                                   | 130           | 106           | 61            | —            | 78            | 375            |
| Pipeline .....  | —             | —             | —             | —            | —             | —              |
| <b>Kerosene-Type Jet Fuel</b> .....                   | <b>7,876</b>  | <b>7,537</b>  | <b>15,437</b> | <b>814</b>   | <b>9,921</b>  | <b>41,585</b>  |
| Refinery .....  | 653           | 1,981         | 6,578         | 353          | 4,046         | 13,611         |
| Bulk Terminal .....                                   | 3,768         | 3,604         | 4,461         | 338          | 5,131         | 17,302         |
| Pipeline .....  | 3,455         | 1,952         | 4,398         | 123          | 744           | 10,672         |
| <b>Kerosene</b> .....                                 | <b>2,052</b>  | <b>299</b>    | <b>187</b>    | <b>2</b>     | <b>73</b>     | <b>2,613</b>   |
| Refinery .....  | 158           | 244           | 109           | 2            | 3             | 516            |
| Bulk Terminal .....                                   | 1,764         | 55            | 3             | —            | 70            | 1,892          |
| Pipeline .....  | 130           | —             | 75            | —            | —             | 205            |
| <b>Distillate Fuel Oil<sup>2</sup></b> .....          | <b>44,955</b> | <b>33,697</b> | <b>43,210</b> | <b>4,444</b> | <b>13,856</b> | <b>140,162</b> |
| Refinery .....  | 2,811         | 7,337         | 16,209        | 1,873        | 5,887         | 34,117         |
| Bulk Terminal .....                                   | 33,483        | 19,760        | 14,409        | 1,779        | 6,553         | 75,984         |
| Pipeline .....  | 8,661         | 6,600         | 12,592        | 792          | 1,416         | 30,061         |
| <b>15 ppm sulfur and Under</b> .....                  | <b>37,762</b> | <b>32,978</b> | <b>35,986</b> | <b>4,157</b> | <b>12,870</b> | <b>123,753</b> |
| Refinery .....  | 2,177         | 6,986         | 13,148        | 1,642        | 5,153         | 29,106         |
| Bulk Terminal .....                                   | 28,044        | 19,660        | 11,539        | 1,725        | 6,453         | 67,421         |
| Pipeline .....  | 7,541         | 6,332         | 11,299        | 790          | 1,264         | 27,226         |
| <b>Greater than 15 ppm to 500 ppm sulfur</b> .....    | <b>2,692</b>  | <b>382</b>    | <b>1,682</b>  | <b>201</b>   | <b>244</b>    | <b>5,201</b>   |
| Refinery .....  | 288           | 51            | 925           | 145          | 244           | 1,653          |
| Bulk Terminal .....                                   | 2,305         | 78            | 442           | 54           | —             | 2,879          |
| Pipeline .....  | 99            | 253           | 315           | 2            | —             | 669            |
| <b>Greater than 500 ppm sulfur</b> .....              | <b>4,501</b>  | <b>337</b>    | <b>5,542</b>  | <b>86</b>    | <b>742</b>    | <b>11,208</b>  |
| Refinery .....  | 346           | 300           | 2,136         | 86           | 490           | 3,358          |
| Bulk Terminal .....                                   | 3,134         | 22            | 2,428         | —            | 100           | 5,684          |
| Pipeline .....  | 1,021         | 15            | 978           | —            | 152           | 2,166          |
| <b>Residual Fuel Oil<sup>6</sup></b> .....            | <b>6,033</b>  | <b>1,280</b>  | <b>16,251</b> | <b>236</b>   | <b>4,514</b>  | <b>28,314</b>  |
| Refinery .....  | 520           | 1,018         | 3,997         | 236          | 2,238         | 8,009          |
| Bulk Terminal .....                                   | 5,513         | 262           | 12,254        | —            | 2,270         | 20,299         |
| Pipeline .....  | —             | —             | —             | —            | 6             | 6              |
| <b>Less than 0.31% Sulfur</b> .....                   | <b>901</b>    | <b>57</b>     | <b>900</b>    | <b>25</b>    | <b>262</b>    | <b>2,145</b>   |
| Refinery .....  | 135           | 54            | 190           | 25           | —             | 404            |
| Bulk Terminal .....                                   | 766           | 3             | 710           | —            | 262           | 1,741          |
| <b>0.31% to 1.00% Sulfur</b> .....                    | <b>1,429</b>  | <b>274</b>    | <b>2,539</b>  | <b>8</b>     | <b>467</b>    | <b>4,717</b>   |
| Refinery .....  | 43            | 141           | 322           | 8            | 239           | 753            |
| Bulk Terminal .....                                   | 1,386         | 133           | 2,217         | —            | 228           | 3,964          |
| <b>Greater than 1.00% Percent Sulfur</b> .....        | <b>3,703</b>  | <b>949</b>    | <b>12,812</b> | <b>203</b>   | <b>3,779</b>  | <b>21,446</b>  |
| Refinery .....  | 342           | 823           | 3,485         | 203          | 1,999         | 6,852          |
| Bulk Terminal .....                                   | 3,361         | 126           | 9,327         | —            | 1,780         | 14,594         |
| <b>Petrochemical Feedstocks</b> .....                 | <b>80</b>     | <b>565</b>    | <b>2,754</b>  | —            | <b>5</b>      | <b>3,404</b>   |
| Refinery .....  | 80            | 565           | 2,754         | —            | 5             | 3,404          |
| Naphtha for Petrochemical Feedstock Use .....         | 80            | 427           | 1,882         | —            | 5             | 2,394          |
| Other Oils for Petrochemical Feedstock Use .....      | —             | 138           | 872           | —            | —             | 1,010          |
| <b>Special Naphthas</b> .....                         | <b>43</b>     | <b>183</b>    | <b>1,178</b>  | —            | <b>57</b>     | <b>1,461</b>   |
| Refinery .....  | 23            | 87            | 1,163         | —            | 57            | 1,330          |
| Bulk Terminal .....                                   | 20            | 96            | 15            | —            | —             | 131            |
| <b>Lubricants</b> .....                               | <b>1,301</b>  | <b>827</b>    | <b>10,558</b> | —            | <b>1,269</b>  | <b>13,955</b>  |
| Refinery .....  | 832           | 359           | 6,536         | —            | 997           | 8,724          |
| Bulk Terminal .....                                   | 469           | 468           | 4,022         | —            | 272           | 5,231          |
| <b>Waxes</b> .....                                    | <b>376</b>    | <b>28</b>     | <b>272</b>    | —            | —             | <b>676</b>     |
| Refinery .....  | 376           | 28            | 272           | —            | —             | 676            |
| <b>Petroleum Coke</b> .....                           | —             | <b>1,338</b>  | <b>4,896</b>  | <b>194</b>   | <b>1,471</b>  | <b>7,899</b>   |
| Refinery .....  | —             | 1,338         | 4,896         | 194          | 1,471         | 7,899          |
| <b>Asphalt and Road Oil</b> .....                     | <b>6,397</b>  | <b>11,582</b> | <b>5,076</b>  | <b>1,647</b> | <b>2,316</b>  | <b>27,018</b>  |
| Refinery .....  | 588           | 4,433         | 2,489         | 872          | 867           | 9,249          |
| Bulk Terminal .....                                   | 5,809         | 7,149         | 2,587         | 775          | 1,449         | 17,769         |

See footnotes at end of table.

**Table 34. Stocks of Crude Oil and Petroleum Products by PAD District, 2018**  
(Thousand Barrels) — Continued

| Commodity                           | PAD Districts  |                |                  |               |                | U.S. Total       |
|-------------------------------------|----------------|----------------|------------------|---------------|----------------|------------------|
|                                     | 1              | 2              | 3                | 4             | 5              |                  |
| <b>Miscellaneous Products</b> ..... | <b>34</b>      | <b>117</b>     | <b>394</b>       | <b>16</b>     | <b>99</b>      | <b>660</b>       |
| Refinery .....                      | 34             | 117            | 394              | 16            | 99             | 660              |
| Bulk Terminal .....                 | —              | —              | —                | —             | —              | —                |
| Pipeline .....                      | —              | —              | —                | —             | —              | —                |
| <b>Total Stocks, All Oils</b> ..... | <b>166,162</b> | <b>318,412</b> | <b>1,248,742</b> | <b>43,651</b> | <b>136,300</b> | <b>1,913,268</b> |

— = No Data Reported.

<sup>1</sup> Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

<sup>2</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

<sup>3</sup> Includes stocks held by merchant producers.

<sup>4</sup> 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).

<sup>5</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

<sup>6</sup> Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2018**  
(Thousand Barrels)

| Commodity             | Motor Gasoline |               |               | Motor Gasoline Blending Components <sup>1</sup> |                |                | Kerosene     |
|-----------------------|----------------|---------------|---------------|---|----------------|----------------|--------------|
|                       | Reformulated   | Conventional  | Total         | Reformulated                                    | Conventional   | Total          |              |
| <b>PAD District 1</b> | <b>30</b>      | <b>1,497</b>  | <b>1,527</b>  | <b>14,646</b>                                   | <b>32,099</b>  | <b>46,745</b>  | <b>1,922</b> |
| Connecticut           | —              | —             | —             | 919   | 98             | 1,017          | 44           |
| Delaware              | —              | —             | —             | 584   | 413            | 997            | 145          |
| District of Columbia  | —              | —             | —             | —   | —              | —              | —            |
| Florida               | —              | 508           | 508           | —   | 5,178          | 5,178          | —            |
| Georgia               | —              | 330           | 330           | —   | 2,494          | 2,494          | —            |
| Maine                 | —              | —             | —             | 237   | 282            | 519            | 113          |
| Maryland              | —              | —             | —             | 1,327   | 412            | 1,739          | 105          |
| Massachusetts         | 5              | —             | 5             | 1,914   | 49             | 1,963          | 24           |
| New Hampshire         | —              | —             | —             | —   | —              | —              | 7            |
| New Jersey            | —              | 40            | 40            | 5,088   | 11,125         | 16,213         | 431          |
| New York              | 25             | —             | 25            | 907   | 2,128          | 3,035          | 637          |
| North Carolina        | —              | 246           | 246           | —   | 2,274          | 2,274          | 230          |
| Pennsylvania          | —              | 24            | 24            | 1,057   | 4,725          | 5,782          | 132          |
| Rhode Island          | —              | —             | —             | 915   | —              | 915            | —            |
| South Carolina        | —              | 193           | 193           | —   | 1,424          | 1,424          | 17           |
| Vermont               | —              | 28            | 28            | —   | —              | —              | 8            |
| Virginia              | —              | 91            | 91            | 1,698   | 1,399          | 3,097          | 29           |
| West Virginia         | —              | 37            | 37            | —   | 98             | 98             | —            |
| <b>PAD District 2</b> | <b>—</b>       | <b>4,294</b>  | <b>4,294</b>  | <b>4,689</b>                                    | <b>35,385</b>  | <b>40,074</b>  | <b>299</b>   |
| Illinois              | —              | 330           | 330           | 2,565   | 4,114          | 6,679          | 202          |
| Indiana               | —              | 347           | 347           | 649   | 4,362          | 5,011          | —            |
| Iowa                  | —              | 183           | 183           | —   | 1,708          | 1,708          | —            |
| Kansas                | —              | 327           | 327           | —   | 4,256          | 4,256          | 20           |
| Kentucky              | —              | 228           | 228           | 374   | 1,195          | 1,569          | 8            |
| Michigan              | —              | 252           | 252           | 56  | 3,297          | 3,353          | —            |
| Minnesota             | —              | 498           | 498           | 40  | 2,634          | 2,674          | —            |
| Missouri              | —              | 248           | 248           | 412   | 666            | 1,078          | —            |
| Nebraska              | —              | 92            | 92            | —   | 744            | 744            | —            |
| North Dakota          | —              | 69            | 69            | —   | 929            | 929            | —            |
| Ohio                  | —              | 787           | 787           | 3   | 4,077          | 4,080          | 15           |
| Oklahoma              | —              | 562           | 562           | —   | 3,618          | 3,618          | 54           |
| South Dakota          | —              | 73            | 73            | —   | 510            | 510            | —            |
| Tennessee             | —              | 168           | 168           | —   | 2,057          | 2,057          | —            |
| Wisconsin             | —              | 130           | 130           | 590   | 1,218          | 1,808          | —            |
| <b>PAD District 3</b> | <b>—</b>       | <b>8,538</b>  | <b>8,538</b>  | <b>7,752</b>                                    | <b>53,623</b>  | <b>61,375</b>  | <b>112</b>   |
| Alabama               | —              | 142           | 142           | —   | 1,280          | 1,280          | 6            |
| Arkansas              | —              | 159           | 159           | 8   | 841            | 849            | —            |
| Louisiana             | —              | 1,623         | 1,623         | 250   | 13,312         | 13,562         | 50           |
| Mississippi           | —              | 2,429         | 2,429         | 5   | 2,393          | 2,398          | —            |
| New Mexico            | —              | 93            | 93            | —   | 646            | 646            | —            |
| Texas                 | —              | 4,092         | 4,092         | 7,489   | 35,151         | 42,640         | 56           |
| <b>PAD District 4</b> | <b>—</b>       | <b>1,400</b>  | <b>1,400</b>  | <b>—</b>  | <b>4,777</b>   | <b>4,777</b>   | <b>2</b>     |
| Colorado              | —              | 199           | 199           | —   | 1,349          | 1,349          | —            |
| Idaho                 | —              | 265           | 265           | —   | 99             | 99             | —            |
| Montana               | —              | 308           | 308           | —   | 1,246          | 1,246          | —            |
| Utah                  | —              | 118           | 118           | —   | 1,358          | 1,358          | 2            |
| Wyoming               | —              | 510           | 510           | —   | 725            | 725            | —            |
| <b>PAD District 5</b> | <b>14</b>      | <b>2,028</b>  | <b>2,042</b>  | <b>11,432</b>                                   | <b>13,367</b>  | <b>24,799</b>  | <b>73</b>    |
| Alaska                | —              | 852           | 852           | —   | —              | —              | 70           |
| Arizona               | —              | 45            | 45            | 714   | 224            | 938            | —            |
| California            | 14             | 358           | 372           | 10,492  | 6,683          | 17,175         | 3            |
| Hawaii                | —              | 1             | 1             | —   | 1,057          | 1,057          | —            |
| Nevada                | —              | 194           | 194           | 21  | 324            | 345            | —            |
| Oregon                | —              | 39            | 39            | —   | 1,146          | 1,146          | —            |
| Washington            | —              | 539           | 539           | 205   | 3,933          | 4,138          | —            |
| <b>U.S. Total</b>     | <b>44</b>      | <b>17,757</b> | <b>17,801</b> | <b>38,519</b>                                   | <b>139,251</b> | <b>177,770</b> | <b>2,408</b> |

See footnotes at end of table.

**Table 35. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, 2018**  
(Thousand Barrels) — Continued

| Commodity             | Distillate Fuel Oil <sup>1</sup> |                                       |                      |                | Residual Fuel Oil | Propane       |
|-----------------------|----------------------------------|---------------------------------------|----------------------|----------------|-------------------|---------------|
|                       | 15 ppm sulfur and under          | Greater than 15 ppm to 500 ppm sulfur | Greater than 500 ppm | Total          |                   |               |
| <b>PAD District 1</b> | <b>30,221</b>                    | <b>2,593</b>                          | <b>3,480</b>         | <b>36,294</b>  | <b>6,033</b>      | <b>4,714</b>  |
| Connecticut           | 2,772                            | 191                                   | 119                  | 3,082          | 26                | —             |
| Delaware              | 597                              | 39                                    | 111                  | 747            | 865               | 17            |
| District of Columbia  | —                                | —                                     | —                    | —              | —                 | —             |
| Florida               | 2,026                            | 130                                   | —                    | 2,156          | 998               | 202           |
| Georgia               | 1,097                            | —                                     | —                    | 1,097          | 485               | 15            |
| Maine                 | 1,129                            | 4                                     | 371                  | 1,504          | 106               | —             |
| Maryland              | 1,484                            | 287                                   | —                    | 1,771          | 170               | 3             |
| Massachusetts         | 1,215                            | 469                                   | 245                  | 1,929          | 36                | —             |
| New Hampshire         | 587                              | —                                     | 186                  | 773            | 9                 | 375           |
| New Jersey            | 6,670                            | 580                                   | 907                  | 8,157          | 2,318             | 55            |
| New York              | 4,703                            | 209                                   | 502                  | 5,414          | 446               | 1,560         |
| North Carolina        | 1,339                            | —                                     | 13                   | 1,352          | —                 | 427           |
| Pennsylvania          | 3,464                            | 282                                   | 660                  | 4,406          | 488               | 1,289         |
| Rhode Island          | 1,090                            | 66                                    | —                    | 1,156          | —                 | —             |
| South Carolina        | 751                              | —                                     | —                    | 751            | 12                | 701           |
| Vermont               | 42                               | —                                     | 10                   | 52             | —                 | —             |
| Virginia              | 1,085                            | 296                                   | 356                  | 1,737          | 74                | 9             |
| West Virginia         | 170                              | 40                                    | —                    | 210            | —                 | 61            |
| <b>PAD District 2</b> | <b>26,646</b>                    | <b>129</b>                            | <b>322</b>           | <b>27,097</b>  | <b>1,280</b>      | <b>17,460</b> |
| Illinois              | 3,698                            | —                                     | —                    | 3,698          | 246               | 936           |
| Indiana               | 3,121                            | —                                     | 95                   | 3,216          | 87                | 339           |
| Iowa                  | 2,572                            | —                                     | —                    | 2,572          | 3                 | 611           |
| Kansas                | 2,319                            | —                                     | —                    | 2,319          | 22                | 9,613         |
| Kentucky              | 824                              | 22                                    | —                    | 846            | 206               | 294           |
| Michigan              | 2,089                            | 26                                    | —                    | 2,115          | 283               | 4,162         |
| Minnesota             | 2,081                            | —                                     | 14                   | 2,095          | 150               | 272           |
| Missouri              | 740                              | 30                                    | 5                    | 775            | —                 | 171           |
| Nebraska              | 1,039                            | —                                     | —                    | 1,039          | —                 | 371           |
| North Dakota          | 902                              | 1                                     | —                    | 903            | 35                | 42            |
| Ohio                  | 2,265                            | —                                     | 36                   | 2,301          | 114               | 529           |
| Oklahoma              | 2,154                            | 42                                    | 55                   | 2,251          | 20                | 44            |
| South Dakota          | 512                              | —                                     | —                    | 512            | —                 | 28            |
| Tennessee             | 1,024                            | —                                     | —                    | 1,024          | 81                | 2             |
| Wisconsin             | 1,306                            | 8                                     | 117                  | 1,431          | 33                | 46            |
| <b>PAD District 3</b> | <b>24,687</b>                    | <b>1,367</b>                          | <b>4,564</b>         | <b>30,618</b>  | <b>16,251</b>     | <b>27,835</b> |
| Alabama               | 1,114                            | 5                                     | 52                   | 1,171          | 337               | 35            |
| Arkansas              | 953                              | —                                     | 29                   | 982            | —                 | 20            |
| Louisiana             | 5,665                            | 733                                   | 1,998                | 8,396          | 8,233             | 1,323         |
| Mississippi           | 957                              | 358                                   | 175                  | 1,490          | 61                | 2,582         |
| New Mexico            | 436                              | —                                     | —                    | 436            | 118               | 3             |
| Texas                 | 15,562                           | 271                                   | 2,310                | 18,143         | 7,502             | 23,872        |
| <b>PAD District 4</b> | <b>3,367</b>                     | <b>199</b>                            | <b>86</b>            | <b>3,652</b>   | <b>236</b>        | <b>559</b>    |
| Colorado              | 810                              | —                                     | —                    | 810            | 8                 | 27            |
| Idaho                 | 200                              | —                                     | —                    | 200            | —                 | —             |
| Montana               | 1,190                            | 71                                    | —                    | 1,261          | 56                | 30            |
| Utah                  | 553                              | 57                                    | 86                   | 696            | 48                | 442           |
| Wyoming               | 614                              | 71                                    | —                    | 685            | 124               | 60            |
| <b>PAD District 5</b> | <b>11,606</b>                    | <b>244</b>                            | <b>590</b>           | <b>12,440</b>  | <b>4,508</b>      | <b>1,405</b>  |
| Alaska                | 1,059                            | —                                     | 61                   | 1,120          | 114               | 4             |
| Arizona               | 750                              | —                                     | —                    | 750            | —                 | 840           |
| California            | 5,934                            | 244                                   | 270                  | 6,448          | 3,004             | 327           |
| Hawaii                | 204                              | —                                     | 253                  | 457            | 457               | 53            |
| Nevada                | 539                              | —                                     | 6                    | 545            | —                 | —             |
| Oregon                | 862                              | —                                     | —                    | 862            | 7                 | —             |
| Washington            | 2,258                            | —                                     | —                    | 2,258          | 926               | 181           |
| <b>U.S. Total</b>     | <b>96,527</b>                    | <b>4,532</b>                          | <b>9,042</b>         | <b>110,101</b> | <b>28,308</b>     | <b>51,973</b> |

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

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

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2018**  
(Thousand Barrels)

| Commodity  | From 1 to      |              |          | From 2 to      |                  |                |                | From 3 to        |                |
|--|----------------|--------------|----------|----------------|------------------|----------------|----------------|------------------|----------------|
|  | 2              | 3            | 5        | 1              | 3                | 4              | 5              | 1                | 2              |
| <b>Crude Oil</b> .....                           | <b>3,285</b>   | <b>3,132</b> | <b>0</b> | <b>34,849</b>  | <b>623,798</b>   | <b>84,644</b>  | <b>52,449</b>  | <b>33,166</b>    | <b>301,684</b> |
| <b>Petroleum Products</b> .....                  | <b>202,568</b> | <b>6,031</b> | <b>0</b> | <b>204,901</b> | <b>465,357</b>   | <b>85,472</b>  | <b>61,819</b>  | <b>1,254,569</b> | <b>251,534</b> |
| Natural Gas Liquids .....                        | 89,661         | 3,076        | 0        | 43,176         | 313,053          | 45,739         | 6,655          | 18,649           | 89,831         |
| Ethane .....                                     | 65,586         | 0            | -        | 0              | 137,237          | 5,816          | -              | 0                | 8,777          |
| Propane .....                                    | 12,866         | 1,699        | 0        | 32,805         | 107,881          | 22,219         | 2,616          | 18,359           | 11,963         |
| Normal Butane .....                              | 3,464          | 1,265        | 0        | 7,711          | 34,532           | 9,487          | 3,178          | 243              | 3,859          |
| Isobutane .....                                  | 4,745          | 112          | 0        | 2,660          | 11,700           | 3,441          | 861            | 47               | 6,818          |
| Natural Gasoline .....                           | 3,000          | 0            | -        | 0              | 21,703           | 4,776          | -              | 0                | 58,414         |
| Refinery Olefins .....                           | 0              | 0            | -        | 3,463          | 5,326            | -              | -              | 0                | 0              |
| Ethylene .....                                   | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Propylene .....                                  | 0              | 0            | -        | 3,463          | 5,326            | -              | -              | 0                | 0              |
| Butylene .....                                   | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Isobutylene .....                                | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Unfinished Oils .....                            | 366            | 41           | -        | 0              | 7,486            | 0              | -              | 482              | 5,643          |
| Motor Gasoline Blending Components .....         | 76,626         | 311          | 0        | 15,532         | 22,377           | 15,673         | 0              | 675,618          | 78,133         |
| Reformulated - RBOB .....                        | 0              | 0            | 0        | 917            | 4,111            | -              | -              | 94,146           | 33,781         |
| Conventional .....                               | 76,626         | 311          | 0        | 14,615         | 18,266           | 15,673         | 0              | 581,472          | 44,352         |
| CBOB .....                                       | 76,626         | 0            | 0        | 14,615         | 14,906           | 15,673         | 0              | 580,563          | 38,468         |
| GTAB .....                                       | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Other .....                                      | 0              | 311          | 0        | 0              | 3,360            | -              | 0              | 909              | 5,884          |
| Renewable Fuels .....                            | 0              | 0            | 0        | 110,054        | 83,783           | 4,639          | 52,782         | 6,216            | 62             |
| Fuel Ethanol .....                               | 0              | 0            | 0        | 107,626        | 79,660           | 4,246          | 50,254         | 6,172            | 41             |
| Renewable Diesel Fuel <sup>2</sup> .....         | 0              | 0            | 0        | 2,429          | 4,123            | 393            | 2,528          | 44               | 21             |
| Other Renewable Fuels .....                      | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Finished Motor Gasoline .....                    | 1,046          | 0            | 0        | 4,690          | 2,727            | 2,257          | 0              | 48,043           | 9,459          |
| Reformulated .....                               | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Reformulated Blended with Fuel Ethanol .....     | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Reformulated Other .....                         | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Conventional .....                               | 1,046          | 0            | 0        | 4,690          | 2,727            | 2,257          | 0              | 48,043           | 9,459          |
| Conventional Blended with Fuel Ethanol .....     | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Ed55 and Lower .....                             | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Greater than Ed55 .....                          | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Conventional Other .....                         | 1,046          | 0            | 0        | 4,690          | 2,727            | 2,257          | 0              | 48,043           | 9,459          |
| Finished Aviation Gasoline .....                 | 0              | 0            | -        | 0              | 8                | -              | -              | 1,056            | 191            |
| Kerosene-Type Jet Fuel .....                     | 3,105          | 0            | 0        | 1,268          | 636              | 9,241          | 0              | 182,691          | 21,734         |
| Kerosene .....                                   | 45             | 0            | -        | 0              | 0                | -              | -              | 1,670            | 0              |
| Distillate Fuel Oil .....                        | 31,609         | 0            | 0        | 11,529         | 10,553           | 7,821          | 0              | 308,300          | 39,831         |
| 15 ppm sulfur and under .....                    | 31,609         | 0            | 0        | 11,529         | 10,553           | 7,821          | 0              | 286,868          | 38,399         |
| Greater than 15 ppm to 500 ppm sulfur .....      | 0              | 0            | 0        | 0              | 0                | 0              | 0              | 1,335            | 1,432          |
| Greater than 500 ppm sulfur .....                | -              | -            | -        | 0              | 0                | -              | -              | 20,097           | -              |
| Residual Fuel Oil .....                          | 0              | 2,267        | -        | 0              | 9,552            | -              | -              | 269              | 205            |
| Petrochemical Feedstocks .....                   | 9              | 0            | -        | 0              | 1,358            | -              | -              | 144              | 0              |
| Naphtha for Petrochemical Feedstock Use .....    | 0              | 0            | -        | 0              | 1,081            | -              | -              | 144              | 0              |
| Other Oils for Petrochemical Feedstock Use ..... | 9              | 0            | -        | 0              | 277              | -              | -              | 0                | 0              |
| Special Naphthas .....                           | 0              | 0            | -        | -              | 0                | -              | -              | -                | 305            |
| Lubricants .....                                 | 0              | 163          | 0        | 40             | 0                | -              | 0              | 5,127            | 2,419          |
| Waxes .....                                      | -              | -            | -        | -              | -                | -              | -              | -                | -              |
| Marketable Petroleum Coke .....                  | 0              | 55           | 0        | 5,721          | 6,140            | 27             | 53             | 182              | 130            |
| Asphalt and Road Oil .....                       | 101            | 118          | 0        | 9,427          | 2,359            | 75             | 2,329          | 6,122            | 3,498          |
| Miscellaneous Products .....                     | 0              | 0            | -        | -              | 0                | -              | -              | -                | 92             |
| <b>Total</b> .....                               | <b>205,853</b> | <b>9,163</b> | <b>0</b> | <b>239,750</b> | <b>1,089,155</b> | <b>170,116</b> | <b>114,268</b> | <b>1,287,735</b> | <b>553,218</b> |

See footnotes at end of table.

**Table 36. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity  | From 3 to |               | From 4 to  |                |               |               | From 5 to |            |              |            |
|--|-----------|---------------|------------|----------------|---------------|---------------|-----------|------------|--------------|------------|
|  | 4         | 5             | 1          | 2              | 3             | 5             | 1         | 2          | 3            | 4          |
| <b>Crude Oil</b> .....                           | 0         | 1,999         | 548        | 271,736        | 15,621        | 1,296         | 0         | 0          | 0            | 0          |
| <b>Petroleum Products</b> .....                  | 0         | 63,947        | 39         | 150,120        | 52,973        | 28,268        | 0         | 210        | 1,237        | 342        |
| Natural Gas Liquids .....                        | 0         | 651           | 0          | 136,570        | 48,859        | 2,518         | 0         | 0          | 0            | 0          |
| Ethane .....                                     | 0         | —             | 0          | 31,676         | 20,455        | —             | 0         | 0          | 0            | 0          |
| Propane .....                                    | 0         | 0             | 0          | 55,726         | 13,682        | 1,422         | 0         | 0          | 0            | 0          |
| Normal Butane .....                              | 0         | 473           | 0          | 22,955         | 4,228         | 879           | 0         | 0          | 0            | 0          |
| Isobutane .....                                  | 0         | 178           | 0          | 9,761          | 3,654         | 217           | 0         | 0          | 0            | 0          |
| Natural Gasoline .....                           | 0         | —             | 0          | 16,452         | 6,840         | —             | 0         | 0          | 0            | 0          |
| Refinery Olefins .....                           | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Ethylene .....                                   | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Propylene .....                                  | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Butylene .....                                   | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Isobutylene .....                                | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Unfinished Oils .....                            | 0         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | 0          |
| Motor Gasoline Blending Components .....         | 0         | 44,118        | 0          | 2,314          | 0             | 12,161        | 0         | 0          | 0            | 0          |
| Reformulated - RBOB .....                        | —         | 28,825        | 0          | 0              | 0             | 0             | 0         | 0          | 0            | —          |
| Conventional .....                               | 0         | 15,293        | 0          | 2,314          | 0             | 12,161        | 0         | 0          | 0            | 0          |
| CBOB .....                                       | 0         | 15,138        | 0          | 2,314          | 0             | 12,161        | 0         | 0          | 0            | 0          |
| GTAB .....                                       | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Other .....                                      | —         | 155           | 0          | 0              | 0             | 0             | 0         | 0          | 0            | —          |
| Renewable Fuels .....                            | 0         | 6,416         | 0          | 0              | 0             | 220           | 0         | 0          | 0            | 71         |
| Fuel Ethanol .....                               | 0         | 4,452         | 0          | 0              | 0             | 220           | 0         | 0          | 0            | 0          |
| Renewable Diesel Fuel <sup>2</sup> .....         | 0         | 1,963         | 0          | 0              | 0             | 0             | 0         | 0          | 0            | 71         |
| Other Renewable Fuels .....                      | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Finished Motor Gasoline .....                    | 0         | 0             | 0          | 3,685          | 0             | 5,671         | 0         | 0          | 0            | 0          |
| Reformulated .....                               | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Reformulated Blended with Fuel Ethanol .....     | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Reformulated Other .....                         | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Conventional .....                               | 0         | 0             | 0          | 3,685          | 0             | 5,671         | 0         | 0          | 0            | 0          |
| Conventional Blended with Fuel Ethanol .....     | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Ed55 and Lower .....                             | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Greater than Ed55 .....                          | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Conventional Other .....                         | 0         | 0             | 0          | 3,685          | 0             | 5,671         | 0         | 0          | 0            | 0          |
| Finished Aviation Gasoline .....                 | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Kerosene-Type Jet Fuel .....                     | 0         | 3,168         | 0          | 208            | 0             | 90            | 0         | 0          | 0            | 0          |
| Kerosene .....                                   | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Distillate Fuel Oil .....                        | 0         | 7,917         | 0          | 4,644          | 0             | 3,368         | 0         | 0          | 0            | 0          |
| 15 ppm sulfur and under .....                    | 0         | 7,917         | 0          | 4,644          | 0             | 3,328         | 0         | 0          | 0            | 0          |
| Greater than 15 ppm to 500 ppm sulfur .....      | 0         | 0             | 0          | 0              | 0             | 40            | 0         | 0          | 0            | 0          |
| Greater than 500 ppm sulfur .....                | —         | —             | 0          | —              | 0             | —             | 0         | —          | 0            | —          |
| Residual Fuel Oil .....                          | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Petrochemical Feedstocks .....                   | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Naphtha for Petrochemical Feedstock Use .....    | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Other Oils for Petrochemical Feedstock Use ..... | —         | —             | 0          | 0              | 0             | —             | 0         | 0          | 0            | —          |
| Special Naphthas .....                           | —         | —             | —          | 0              | 0             | —             | —         | 0          | 0            | —          |
| Lubricants .....                                 | —         | 0             | 0          | 0              | 0             | 0             | 0         | 0          | 359          | —          |
| Waxes .....                                      | —         | —             | —          | —              | —             | —             | —         | —          | —            | —          |
| Marketable Petroleum Coke .....                  | 0         | 0             | 0          | 838            | 2,107         | 809           | 0         | 210        | 857          | 150        |
| Asphalt and Road Oil .....                       | 0         | 1,678         | 39         | 1,861          | 2,007         | 3,432         | 0         | 0          | 20           | 121        |
| Miscellaneous Products .....                     | —         | —             | —          | 0              | 0             | —             | —         | 0          | 0            | —          |
| <b>Total</b> .....                               | <b>0</b>  | <b>65,947</b> | <b>587</b> | <b>421,856</b> | <b>68,594</b> | <b>29,564</b> | <b>0</b>  | <b>210</b> | <b>1,237</b> | <b>342</b> |

— = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2018**  
(Thousand Barrels)

| Commodity                                    | From 1 to      |            | From 2 to     |                |                | From 3 to      |                |          |               |
|--|----------------|------------|---------------|----------------|----------------|----------------|----------------|----------|---------------|
|  | 2              | 3          | 1             | 3              | 4              | 1              | 2              | 4        | 5             |
| <b>Crude Oil</b> .....                       | <b>1,610</b>   | <b>947</b> | <b>3,118</b>  | <b>598,584</b> | <b>84,644</b>  | <b>2,106</b>   | <b>300,725</b> | <b>0</b> | <b>-</b>      |
| <b>Petroleum Products</b> .....              | <b>196,074</b> | <b>0</b>   | <b>35,328</b> | <b>329,240</b> | <b>80,731</b>  | <b>986,036</b> | <b>227,047</b> | <b>0</b> | <b>55,048</b> |
| Natural Gas Liquids .....                    | 83,713         | 0          | 16,320        | 297,719        | 45,739         | 16,198         | 87,493         | 0        | -             |
| Ethane .....                                 | 65,586         | 0          | 0             | 137,237        | 5,816          | 0              | 8,777          | 0        | -             |
| Propane .....                                | 10,366         | 0          | 16,320        | 95,919         | 22,219         | 16,198         | 11,074         | 0        | -             |
| Normal Butane .....                          | 1,415          | 0          | 0             | 31,779         | 9,487          | 0              | 3,246          | 0        | -             |
| Isobutane .....                              | 3,346          | 0          | 0             | 11,081         | 3,441          | 0              | 5,982          | 0        | -             |
| Natural Gasoline .....                       | 3,000          | 0          | 0             | 21,703         | 4,776          | 0              | 58,414         | 0        | -             |
| Motor Gasoline Blending Components .....     | 76,576         | 0          | 7,831         | 19,017         | 15,673         | 518,588        | 74,792         | 0        | 43,963        |
| Reformulated - RBOB .....                    | 0              | 0          | 0             | 4,111          | -              | 93,911         | 33,781         | -        | 28,825        |
| Conventional .....                           | 76,576         | 0          | 7,831         | 14,906         | 15,673         | 424,677        | 41,011         | 0        | 15,138        |
| CBOB .....                                   | 76,576         | 0          | 7,831         | 14,906         | 15,673         | 424,677        | 38,254         | 0        | 15,138        |
| GTAB .....                                   | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Other .....                                  | 0              | 0          | -             | 0              | -              | -              | 2,757          | -        | -             |
| Renewable Fuels .....                        | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Fuel Ethanol .....                           | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Renewable Diesel Fuel <sup>1</sup> .....     | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Other Renewable Fuels .....                  | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Finished Motor Gasoline .....                | 1,046          | 0          | 4,297         | 1,527          | 2,257          | 34,559         | 7,044          | 0        | 0             |
| Reformulated .....                           | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Reformulated Blended with Fuel Ethanol ..... | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Reformulated Other .....                     | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Conventional .....                           | 1,046          | 0          | 4,297         | 1,527          | 2,257          | 34,559         | 7,044          | 0        | 0             |
| Conventional Blended with Fuel Ethanol ..... | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Ed55 and Lower .....                         | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Greater than Ed55 .....                      | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Conventional Other .....                     | 1,046          | 0          | 4,297         | 1,527          | 2,257          | 34,559         | 7,044          | 0        | 0             |
| Finished Aviation Gasoline .....             | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Kerosene-Type Jet Fuel .....                 | 3,105          | 0          | 1,225         | 612            | 9,241          | 150,691        | 20,962         | 0        | 3,168         |
| Kerosene .....                               | 45             | 0          | 0             | 0              | -              | 1,426          | 0              | -        | -             |
| Distillate Fuel Oil .....                    | 31,589         | 0          | 5,655         | 10,365         | 7,821          | 264,574        | 36,756         | 0        | 7,917         |
| 15 ppm sulfur and under .....                | 31,589         | 0          | 5,655         | 10,365         | 7,821          | 243,922        | 35,324         | 0        | 7,917         |
| Greater than 15 ppm to 500 ppm sulfur .....  | 0              | 0          | 0             | 0              | 0              | 1,024          | 1,432          | 0        | 0             |
| Greater than 500 ppm sulfur .....            | -              | 0          | 0             | 0              | -              | 19,628         | -              | -        | -             |
| Residual Fuel Oil .....                      | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| Miscellaneous Products .....                 | -              | -          | -             | -              | -              | -              | -              | -        | -             |
| <b>Total</b> .....                           | <b>197,684</b> | <b>947</b> | <b>38,446</b> | <b>927,824</b> | <b>165,375</b> | <b>988,142</b> | <b>527,772</b> | <b>0</b> | <b>55,048</b> |

See footnotes at end of table.

**Table 37. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, 2018**  
(Thousand Barrels) – Continued

| Commodity                                    | From 4 to |                |               |               | From 5 to |          |
|--|-----------|----------------|---------------|---------------|-----------|----------|
|  | 1         | 2              | 3             | 5             | 3         | 4        |
| <b>Crude Oil</b> .....                       | <b>0</b>  | <b>270,568</b> | <b>3,933</b>  | <b>-</b>      | <b>0</b>  | <b>0</b> |
| <b>Petroleum Products</b> .....              | <b>0</b>  | <b>147,421</b> | <b>48,859</b> | <b>21,291</b> | <b>0</b>  | <b>0</b> |
| Natural Gas Liquids .....                    | 0         | 136,570        | 48,859        | -             | 0         | 0        |
| Ethane .....                                 | 0         | 31,676         | 20,455        | -             | 0         | 0        |
| Propane .....                                | 0         | 55,726         | 13,682        | -             | 0         | 0        |
| Normal Butane .....                          | 0         | 22,955         | 4,228         | -             | 0         | 0        |
| Isobutane .....                              | 0         | 9,761          | 3,654         | -             | 0         | 0        |
| Natural Gasoline .....                       | 0         | 16,452         | 6,840         | -             | 0         | 0        |
| Motor Gasoline Blending Components .....     | 0         | 2,314          | 0             | 12,161        | 0         | 0        |
| Reformulated - RBOB .....                    | 0         | 0              | 0             | 0             | 0         | -        |
| Conventional .....                           | 0         | 2,314          | 0             | 12,161        | 0         | 0        |
| CBOB .....                                   | 0         | 2,314          | 0             | 12,161        | 0         | 0        |
| GTAB .....                                   | -         | -              | -             | -             | -         | -        |
| Other .....                                  | -         | 0              | 0             | -             | 0         | -        |
| Renewable Fuels .....                        | -         | -              | -             | -             | -         | -        |
| Fuel Ethanol .....                           | -         | -              | -             | -             | -         | -        |
| Renewable Diesel Fuel <sup>1</sup> .....     | -         | -              | -             | -             | -         | -        |
| Other Renewable Fuels .....                  | -         | -              | -             | -             | -         | -        |
| Finished Motor Gasoline .....                | 0         | 3,685          | 0             | 5,671         | 0         | 0        |
| Reformulated .....                           | -         | -              | -             | -             | -         | -        |
| Reformulated Blended with Fuel Ethanol ..... | -         | -              | -             | -             | -         | -        |
| Reformulated Other .....                     | -         | -              | -             | -             | -         | -        |
| Conventional .....                           | 0         | 3,685          | 0             | 5,671         | 0         | 0        |
| Conventional Blended with Fuel Ethanol ..... | -         | -              | -             | -             | -         | -        |
| Ed55 and Lower .....                         | -         | -              | -             | -             | -         | -        |
| Greater than Ed55 .....                      | -         | -              | -             | -             | -         | -        |
| Conventional Other .....                     | 0         | 3,685          | 0             | 5,671         | 0         | 0        |
| Finished Aviation Gasoline .....             | -         | -              | -             | -             | -         | -        |
| Kerosene-Type Jet Fuel .....                 | 0         | 208            | 0             | 90            | 0         | 0        |
| Kerosene .....                               | 0         | 0              | 0             | 0             | 0         | -        |
| Distillate Fuel Oil .....                    | 0         | 4,644          | 0             | 3,368         | 0         | 0        |
| 15 ppm sulfur and under .....                | 0         | 4,644          | 0             | 3,328         | 0         | 0        |
| Greater than 15 ppm to 500 ppm sulfur .....  | 0         | 0              | 0             | 40            | 0         | 0        |
| Greater than 500 ppm sulfur .....            | 0         | -              | 0             | -             | 0         | -        |
| Residual Fuel Oil .....                      | -         | -              | -             | -             | -         | -        |
| Miscellaneous Products .....                 | -         | -              | -             | -             | -         | -        |
| <b>Total</b> .....                           | <b>0</b>  | <b>417,989</b> | <b>52,792</b> | <b>21,291</b> | <b>0</b>  | <b>0</b> |

- = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

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

**Table 38. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 2018**  
(Thousand Barrels)

| Commodity  | From 1 to    |              |          | From 2 to     |               |          |
|--|--------------|--------------|----------|---------------|---------------|----------|
|  | 2            | 3            | 5        | 1             | 3             | 5        |
| <b>Crude Oil</b> .....                           | <b>1,675</b> | <b>2,185</b> | <b>0</b> | <b>3,846</b>  | <b>21,480</b> | <b>0</b> |
| <b>Petroleum Products</b> .....                  | <b>445</b>   | <b>2,782</b> | <b>0</b> | <b>15,758</b> | <b>34,043</b> | <b>0</b> |
| Natural Gas Liquids .....                        | —            | 0            | —        | 0             | 0             | —        |
| Ethane .....                                     | —            | —            | —        | —             | —             | —        |
| Propane .....                                    | —            | 0            | —        | 0             | 0             | —        |
| Normal Butane .....                              | —            | —            | —        | —             | —             | —        |
| Isobutane .....                                  | —            | —            | —        | —             | —             | —        |
| Natural Gasoline .....                           | —            | —            | —        | —             | —             | —        |
| Unfinished Oils .....                            | 366          | 41           | —        | 0             | 7,486         | —        |
| Motor Gasoline Blending Components .....         | 50           | 311          | 0        | 7,701         | 3,360         | 0        |
| Reformulated - RBOB .....                        | 0            | 0            | —        | 917           | 0             | —        |
| Conventional .....                               | 50           | 311          | 0        | 6,784         | 3,360         | 0        |
| CBOB .....                                       | 50           | 0            | —        | 6,784         | 0             | —        |
| GTAB .....                                       | —            | —            | —        | —             | —             | —        |
| Other .....                                      | 0            | 311          | 0        | 0             | 3,360         | 0        |
| Renewable Fuels .....                            | 0            | 0            | 0        | 888           | 10,367        | 0        |
| Fuel Ethanol .....                               | 0            | 0            | —        | 888           | 10,071        | —        |
| Renewable Diesel Fuel <sup>1</sup> .....         | 0            | 0            | 0        | 0             | 296           | 0        |
| Other Renewable Fuels .....                      | —            | —            | —        | —             | —             | —        |
| Finished Motor Gasoline .....                    | 0            | 0            | —        | 393           | 1,200         | —        |
| Reformulated .....                               | —            | —            | —        | —             | —             | —        |
| Reformulated Blended with Fuel Ethanol .....     | —            | —            | —        | —             | —             | —        |
| Reformulated Other .....                         | —            | —            | —        | —             | —             | —        |
| Conventional .....                               | 0            | 0            | —        | 393           | 1,200         | —        |
| Conventional Blended with Fuel Ethanol .....     | —            | —            | —        | —             | —             | —        |
| Ed55 and Lower .....                             | —            | —            | —        | —             | —             | —        |
| Greater than Ed55 .....                          | —            | —            | —        | —             | —             | —        |
| Conventional Other .....                         | 0            | 0            | —        | 393           | 1,200         | —        |
| Finished Aviation Gasoline .....                 | 0            | 0            | —        | 0             | 8             | —        |
| Kerosene-Type Jet Fuel .....                     | 0            | 0            | —        | 43            | 24            | —        |
| Kerosene .....                                   | —            | 0            | —        | 0             | 0             | —        |
| Distillate Fuel Oil .....                        | 20           | 0            | —        | 5,874         | 188           | —        |
| 15 ppm sulfur and under .....                    | 20           | 0            | —        | 5,874         | 188           | —        |
| Greater than 15 ppm to 500 ppm sulfur .....      | —            | 0            | —        | 0             | 0             | —        |
| Greater than 500 ppm sulfur .....                | —            | 0            | —        | 0             | 0             | —        |
| Residual Fuel Oil .....                          | 0            | 2,267        | —        | 0             | 9,552         | —        |
| Less than 0.31 percent sulfur .....              | 0            | 91           | —        | 0             | 404           | —        |
| 0.31 to 1.00 percent sulfur .....                | 0            | 1,078        | —        | 0             | 356           | —        |
| Greater than 1.00 percent sulfur .....           | 0            | 1,098        | —        | 0             | 8,792         | —        |
| Petrochemical Feedstocks .....                   | 9            | 0            | —        | 0             | 1,358         | —        |
| Naphtha for Petrochemical Feedstock Use .....    | 0            | 0            | —        | 0             | 1,081         | —        |
| Other Oils for Petrochemical Feedstock Use ..... | 9            | 0            | —        | 0             | 277           | —        |
| Special Naphthas .....                           | 0            | 0            | —        | —             | 0             | —        |
| Lubricants .....                                 | 0            | 163          | 0        | 40            | 0             | 0        |
| Waxes .....                                      | —            | —            | —        | —             | —             | —        |
| Marketable Petroleum Coke .....                  | —            | —            | —        | —             | —             | —        |
| Asphalt and Road Oil .....                       | 0            | 0            | —        | 819           | 500           | —        |
| Miscellaneous Products .....                     | 0            | 0            | —        | —             | 0             | —        |
| <b>Total</b> .....                               | <b>2,120</b> | <b>4,967</b> | <b>0</b> | <b>19,604</b> | <b>55,523</b> | <b>0</b> |

See footnotes at end of table.

**Table 38. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity  | From 3 to      |              |                  |                |               |              | From 5 to |          |            |
|--|----------------|--------------|------------------|----------------|---------------|--------------|-----------|----------|------------|
|  | 1              | New England  | Central Atlantic | Lower Atlantic | 2             | 5            | 1         | 2        | 3          |
| Crude Oil .....                                  | 31,020         | —            | 31,020           | —              | 959           | 955          | 0         | 0        | 0          |
| <b>Petroleum Products .....</b>                  | <b>263,964</b> | <b>1,619</b> | <b>5,887</b>     | <b>256,458</b> | <b>20,941</b> | <b>1,868</b> | <b>0</b>  | <b>0</b> | <b>359</b> |
| Natural Gas Liquids .....                        | 384            | —            | —                | 384            | —             | —            | 0         | —        | 0          |
| Ethane .....                                     | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Propane .....                                    | 384            | —            | —                | 384            | —             | —            | 0         | —        | 0          |
| Normal Butane .....                              | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Isobutane .....                                  | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Natural Gasoline .....                           | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Unfinished Oils .....                            | 482            | —            | 377              | 105            | 5,643         | —            | 0         | 0        | 0          |
| Motor Gasoline Blending Components .....         | 157,030        | 235          | 909              | 155,886        | 3,341         | 155          | 0         | 0        | 0          |
| Reformulated - RBOB .....                        | 235            | 235          | —                | —              | 0             | —            | 0         | 0        | 0          |
| Conventional .....                               | 156,795        | —            | 909              | 155,886        | 3,341         | 155          | 0         | 0        | 0          |
| CBOB .....                                       | 155,886        | —            | —                | 155,886        | 214           | —            | 0         | 0        | 0          |
| GTAB .....                                       | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Other .....                                      | 909            | —            | 909              | —              | 3,127         | 155          | 0         | 0        | 0          |
| Renewable Fuels .....                            | 6,199          | 313          | 27               | 5,859          | 41            | 1,713        | 0         | 0        | 0          |
| Fuel Ethanol .....                               | 6,172          | 313          | —                | 5,859          | 41            | —            | 0         | 0        | 0          |
| Renewable Diesel Fuel <sup>1</sup> .....         | 27             | —            | 27               | —              | 0             | 1,713        | 0         | 0        | 0          |
| Other Renewable Fuels .....                      | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Finished Motor Gasoline .....                    | 13,484         | —            | —                | 13,484         | 2,415         | —            | 0         | 0        | 0          |
| Reformulated .....                               | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Reformulated Blended with Fuel Ethanol .....     | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Reformulated Other .....                         | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Conventional .....                               | 13,484         | —            | —                | 13,484         | 2,415         | —            | 0         | 0        | 0          |
| Conventional Blended with Fuel Ethanol .....     | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Ed55 and Lower .....                             | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Greater than Ed55 .....                          | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Conventional Other .....                         | 13,484         | —            | —                | 13,484         | 2,415         | —            | 0         | 0        | 0          |
| Finished Aviation Gasoline .....                 | 1,056          | 114          | 141              | 801            | 191           | —            | 0         | 0        | 0          |
| Kerosene-Type Jet Fuel .....                     | 32,000         | —            | —                | 32,000         | 772           | —            | 0         | 0        | 0          |
| Kerosene .....                                   | 244            | —            | 244              | —              | —             | —            | 0         | —        | 0          |
| Distillate Fuel Oil .....                        | 43,726         | 957          | 1,143            | 41,626         | 3,075         | —            | 0         | 0        | 0          |
| 15 ppm sulfur and under .....                    | 42,946         | 957          | 563              | 41,426         | 3,075         | —            | 0         | 0        | 0          |
| Greater than 15 ppm to 500 ppm sulfur .....      | 311            | —            | 311              | —              | —             | —            | 0         | —        | 0          |
| Greater than 500 ppm sulfur .....                | 469            | —            | 269              | 200            | —             | —            | 0         | —        | 0          |
| Residual Fuel Oil .....                          | 269            | —            | 105              | 164            | 205           | —            | 0         | 0        | 0          |
| Less than 0.31 percent sulfur .....              | 0              | —            | —                | —              | 0             | —            | 0         | 0        | 0          |
| 0.31 to 1.00 percent sulfur .....                | 0              | —            | —                | —              | 95            | —            | 0         | 0        | 0          |
| Greater than 1.00 percent sulfur .....           | 269            | —            | 105              | 164            | 110           | —            | 0         | 0        | 0          |
| Petrochemical Feedstocks .....                   | 144            | —            | —                | 144            | 0             | —            | 0         | 0        | 0          |
| Naphtha for Petrochemical Feedstock Use .....    | 144            | —            | —                | 144            | 0             | —            | 0         | 0        | 0          |
| Other Oils for Petrochemical Feedstock Use ..... | 0              | —            | —                | —              | 0             | —            | 0         | 0        | 0          |
| Special Naphthas .....                           | —              | —            | —                | —              | 305           | —            | —         | 0        | 0          |
| Lubricants .....                                 | 5,127          | —            | 2,568            | 2,559          | 2,419         | 0            | 0         | 0        | 359        |
| Waxes .....                                      | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Marketable Petroleum Coke .....                  | —              | —            | —                | —              | —             | —            | —         | —        | —          |
| Asphalt and Road Oil .....                       | 3,819          | —            | 373              | 3,446          | 2,442         | —            | 0         | 0        | 0          |
| Miscellaneous Products .....                     | —              | —            | —                | —              | 92            | —            | —         | 0        | 0          |
| <b>Total .....</b>                               | <b>294,984</b> | <b>1,619</b> | <b>36,907</b>    | <b>256,458</b> | <b>21,900</b> | <b>2,823</b> | <b>0</b>  | <b>0</b> | <b>359</b> |

— = No Data Reported.

<sup>1</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

**Table 39. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, 2018**  
(Thousand Barrels)

| Commodity                       | From 1 to |       |   |   | From 2 to |        |       |        |
|---------------------------------|-----------|-------|---|---|-----------|--------|-------|--------|
|                                 | 2         | 3     | 4 | 5 | 1         | 3      | 4     | 5      |
| Crude Oil .....                 | 0         | 0     | 0 | 0 | 27,885    | 3,734  | 0     | 52,449 |
| Propane .....                   | 2,500     | 1,699 | 0 | 0 | 16,485    | 11,962 | 0     | 2,616  |
| Propylene .....                 | 0         | 0     | - | - | 3,463     | 5,326  | -     | -      |
| Normal Butane .....             | 2,049     | 1,265 | 0 | 0 | 7,711     | 2,753  | 0     | 3,178  |
| Isobutane .....                 | 1,399     | 112   | 0 | 0 | 2,660     | 619    | 0     | 861    |
| Fuel Ethanol .....              | 0         | 0     | 0 | 0 | 106,738   | 69,589 | 4,246 | 50,254 |
| Biodiesel .....                 | 0         | 0     | 0 | 0 | 2,429     | 3,827  | 393   | 2,528  |
| Marketable Petroleum Coke ..... | 0         | 55    | 0 | 0 | 5,721     | 6,140  | 27    | 53     |
| Asphalt and Road Oil .....      | 101       | 118   | 0 | 0 | 8,608     | 1,859  | 75    | 2,329  |

| Commodity                       | From 3 to |       |   |       | From 4 to |       |        |       |
|---------------------------------|-----------|-------|---|-------|-----------|-------|--------|-------|
|                                 | 1         | 2     | 4 | 5     | 1         | 2     | 3      | 5     |
| Crude Oil .....                 | 40        | 0     | 0 | 1,044 | 548       | 1,168 | 11,688 | 1,296 |
| Propane .....                   | 1,777     | 889   | 0 | 0     | 0         | 0     | 0      | 1,422 |
| Propylene .....                 | 0         | 0     | - | -     | 0         | 0     | 0      | -     |
| Normal Butane .....             | 243       | 613   | 0 | 473   | 0         | 0     | 0      | 878   |
| Isobutane .....                 | 47        | 836   | 0 | 178   | 0         | 0     | 0      | 217   |
| Fuel Ethanol .....              | 0         | 0     | 0 | 4,452 | 0         | 0     | 0      | 220   |
| Biodiesel .....                 | 17        | 21    | 0 | 250   | 0         | 0     | 0      | 0     |
| Marketable Petroleum Coke ..... | 182       | 130   | 0 | 0     | 0         | 838   | 2,107  | 809   |
| Asphalt and Road Oil .....      | 2,303     | 1,056 | 0 | 1,678 | 39        | 1,861 | 2,007  | 3,432 |

| Commodity                       | From 5 to |     |     |     |
|---------------------------------|-----------|-----|-----|-----|
|                                 | 1         | 2   | 3   | 4   |
| Crude Oil .....                 | 0         | 0   | 0   | 0   |
| Propane .....                   | 0         | 0   | 0   | 0   |
| Propylene .....                 | 0         | 0   | 0   | -   |
| Normal Butane .....             | 0         | 0   | 0   | 0   |
| Isobutane .....                 | 0         | 0   | 0   | 0   |
| Fuel Ethanol .....              | 0         | 0   | 0   | 0   |
| Biodiesel .....                 | 0         | 0   | 0   | 71  |
| Marketable Petroleum Coke ..... | 0         | 210 | 857 | 150 |
| Asphalt and Road Oil .....      | 0         | 0   | 20  | 121 |

- = No Data Reported.  
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 40. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, 2018**  
(Thousand Barrels)

| PADD             | Pipeline | Tanker and Barge | Rail   | Total   |
|------------------|----------|------------------|--------|---------|
| <b>From 1 to</b> |          |                  |        |         |
| 2 .....          | 1,610    | 1,675            | 0      | 3,285   |
| 3 .....          | 947      | 2,185            | 0      | 3,132   |
| 4 .....          | 0        | -                | 0      | 0       |
| 5 .....          | -        | 0                | 0      | 0       |
| <b>From 2 to</b> |          |                  |        |         |
| 1 .....          | 3,118    | 3,846            | 27,885 | 34,849  |
| 3 .....          | 598,584  | 21,480           | 3,734  | 623,798 |
| 4 .....          | 84,644   | -                | 0      | 84,644  |
| 5 .....          | -        | 0                | 52,449 | 52,449  |
| <b>From 3 to</b> |          |                  |        |         |
| 1 .....          | 2,106    | 31,020           | 40     | 33,166  |
| 2 .....          | 300,725  | 959              | 0      | 301,684 |
| 4 .....          | 0        | -                | 0      | 0       |
| 5 .....          | -        | 955              | 1,044  | 1,999   |
| <b>From 4 to</b> |          |                  |        |         |
| 1 .....          | 0        | 0                | 548    | 548     |
| 2 .....          | 270,568  | 0                | 1,168  | 271,736 |
| 3 .....          | 3,933    | 0                | 11,688 | 15,621  |
| 5 .....          | -        | 0                | 1,296  | 1,296   |
| <b>From 5 to</b> |          |                  |        |         |
| 1 .....          | 0        | 0                | 0      | 0       |
| 2 .....          | 0        | 0                | 0      | 0       |
| 3 .....          | 0        | 0                | 0      | 0       |
| 4 .....          | 0        | -                | 0      | 0       |

- = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2018**  
(Thousand Barrels)

| Commodity                                  | PAD District 1   |                |                  | PAD District 2   |                  |                 | PAD District 3   |                  |                   |
|--|------------------|----------------|------------------|------------------|------------------|-----------------|------------------|------------------|-------------------|
|  | Receipts         | Shipments      | Net Receipts     | Receipts         | Shipments        | Net Receipts    | Receipts         | Shipments        | Net Receipts      |
| <b>Crude Oil</b>                           | <b>68,563</b>    | <b>6,417</b>   | <b>62,146</b>    | <b>576,705</b>   | <b>795,741</b>   | <b>-219,035</b> | <b>642,551</b>   | <b>336,849</b>   | <b>305,702</b>    |
| <b>Petroleum Products</b>                  | <b>1,459,509</b> | <b>208,598</b> | <b>1,250,910</b> | <b>604,431</b>   | <b>817,548</b>   | <b>-213,117</b> | <b>525,598</b>   | <b>1,570,050</b> | <b>-1,044,452</b> |
| Natural Gas Liquids                        | 61,825           | 92,737         | -30,912          | 316,062          | 408,623          | -92,561         | 364,988          | 109,131          | 255,857           |
| Ethane                                     | 0                | 65,586         | -65,586          | 106,039          | 143,053          | -37,014         | 157,692          | 8,777            | 148,915           |
| Propane                                    | 51,164           | 14,565         | 36,599           | 80,555           | 165,521          | -84,966         | 123,262          | 30,322           | 92,940            |
| Normal Butane                              | 7,954            | 4,729          | 3,225            | 30,278           | 54,908           | -24,630         | 40,025           | 4,575            | 35,450            |
| Isobutane                                  | 2,707            | 4,857          | -2,150           | 21,324           | 18,662           | 2,662           | 15,466           | 7,043            | 8,423             |
| Natural Gasoline                           | 0                | 3,000          | -3,000           | 77,866           | 26,479           | 51,387          | 28,543           | 58,414           | -29,871           |
| Refinery Olefins                           | 3,463            | 0              | 3,463            | 0                | 8,789            | -8,789          | 5,326            | 0                | 5,326             |
| Ethylene                                   | 0                | 0              | -                | -                | -                | -               | 0                | 0                | -                 |
| Propylene                                  | 3,463            | 0              | 3,463            | 0                | 8,789            | -8,789          | 5,326            | 0                | 5,326             |
| Butylene                                   | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Isobutylene                                | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Unfinished Oils                            | 482              | 407            | 75               | 6,009            | 7,486            | -1,477          | 7,527            | 6,125            | 1,402             |
| Motor Gasoline Blending Components         | 691,150          | 76,937         | 614,213          | 157,073          | 53,582           | 103,491         | 22,688           | 797,869          | -775,181          |
| Reformulated - RBOB                        | 95,063           | 0              | 95,063           | 33,781           | 5,028            | 28,753          | 4,111            | 156,752          | -152,641          |
| Conventional                               | 596,087          | 76,937         | 519,150          | 123,292          | 48,554           | 74,738          | 18,577           | 641,117          | -622,540          |
| CBOB                                       | 595,178          | 76,626         | 518,552          | 117,408          | 45,194           | 72,214          | 14,906           | 634,169          | -619,263          |
| GTAB                                       | 0                | 0              | -                | -                | -                | -               | 0                | 0                | -                 |
| Other                                      | 909              | 311            | 598              | 5,884            | 3,360            | 2,524           | 3,671            | 6,948            | -3,277            |
| Renewable Fuels                            | 116,270          | 0              | 116,270          | 62               | 251,258          | -251,196        | 83,783           | 12,694           | 71,089            |
| Fuel Ethanol                               | 113,798          | 0              | 113,798          | 41               | 241,786          | -241,745        | 79,660           | 10,665           | 68,995            |
| Renewable Diesel Fuel <sup>2</sup>         | 2,473            | 0              | 2,473            | 21               | 9,472            | -9,451          | 4,123            | 2,029            | 2,094             |
| Other Renewable Fuels                      | -                | -              | -                | -                | -                | -               | 0                | 0                | -                 |
| Finished Motor Gasoline                    | 52,733           | 1,046          | 51,687           | 14,190           | 9,674            | 4,516           | 2,727            | 57,502           | -54,775           |
| Reformulated                               | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Reformulated Blended with Fuel Ethanol     | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Reformulated Other                         | -                | -              | -                | -                | -                | -               | -                | -                | -                 |
| Conventional                               | 52,733           | 1,046          | 51,687           | 14,190           | 9,674            | 4,516           | 2,727            | 57,502           | -54,775           |
| Conventional Blended with Fuel Ethanol     | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Ed55 and Lower                             | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Greater than Ed55                          | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Conventional Other                         | 52,733           | 1,046          | 51,687           | 14,190           | 9,674            | 4,516           | 2,727            | 57,502           | -54,775           |
| Finished Aviation Gasoline                 | 1,056            | 0              | 1,056            | 191              | 8                | 183             | 8                | 1,247            | -1,239            |
| Kerosene-Type Jet Fuel                     | 183,959          | 3,105          | 180,854          | 25,047           | 11,145           | 13,902          | 636              | 207,593          | -206,957          |
| Kerosene                                   | 1,670            | 45             | 1,625            | 45               | 0                | 45              | 0                | 1,670            | -1,670            |
| Distillate Fuel Oil                        | 319,829          | 31,609         | 288,220          | 76,084           | 29,903           | 46,181          | 10,553           | 356,048          | -345,495          |
| 15 ppm sulfur and under                    | 298,397          | 31,609         | 266,788          | 74,652           | 29,903           | 44,749          | 10,553           | 333,184          | -322,631          |
| Greater than 15 ppm to 500 ppm sulfur      | 1,335            | 0              | 1,335            | 1,432            | 0                | 1,432           | 0                | 2,767            | -2,767            |
| Greater than 500 ppm sulfur                | 20,097           | 0              | 20,097           | 0                | 0                | -               | 0                | 20,097           | -20,097           |
| Residual Fuel Oil                          | 269              | 2,267          | -1,998           | 205              | 9,552            | -9,347          | 11,819           | 474              | 11,345            |
| Petrochemical Feedstocks                   | 144              | 9              | 135              | 9                | 1,358            | -1,349          | 1,358            | 144              | 1,214             |
| Naphtha for Petrochemical Feedstock Use    | 144              | 0              | 144              | 0                | 1,081            | -1,081          | 1,081            | 144              | 937               |
| Other Oils for Petrochemical Feedstock Use | 0                | 9              | -9               | 9                | 277              | -268            | 277              | 0                | 277               |
| Special Naphthas                           | 0                | 0              | -                | 305              | 0                | 305             | 0                | 305              | -305              |
| Lubricants                                 | 5,167            | 163            | 5,004            | 2,419            | 40               | 2,379           | 522              | 7,546            | -7,024            |
| Waxes                                      | 0                | 0              | -                | 0                | 0                | -               | 0                | 0                | -                 |
| Marketable Petroleum Coke                  | 5,903            | 55             | 5,848            | 1,178            | 11,941           | -10,763         | 9,159            | 312              | 8,847             |
| Asphalt and Road Oil                       | 15,589           | 219            | 15,370           | 5,460            | 14,189           | -8,729          | 4,504            | 11,298           | -6,794            |
| Miscellaneous Products                     | 0                | 0              | -                | 92               | 0                | 92              | 0                | 92               | -92               |
| <b>Total</b>                               | <b>1,528,072</b> | <b>215,015</b> | <b>1,313,056</b> | <b>1,181,137</b> | <b>1,613,289</b> | <b>-432,152</b> | <b>1,168,148</b> | <b>1,906,899</b> | <b>-738,751</b>   |

See footnotes at end of table.

**Table 41. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, 2018**  
(Thousand Barrels) — Continued

| Commodity  | PAD District 4 |                |                 | PAD District 5 |              |                |
|--|----------------|----------------|-----------------|----------------|--------------|----------------|
|  | Receipts       | Shipments      | Net Receipts    | Receipts       | Shipments    | Net Receipts   |
| Crude Oil .....                                  | 84,644         | 289,201        | -204,557        | 55,745         | 0            | 55,745         |
| <b>Petroleum Products .....</b>                  | <b>85,814</b>  | <b>231,400</b> | <b>-145,587</b> | <b>154,034</b> | <b>1,789</b> | <b>152,245</b> |
| Natural Gas Liquids .....                        | 45,739         | 187,947        | -142,208        | 9,824          | 0            | 9,824          |
| Ethane .....                                     | 5,816          | 52,131         | -46,315         | 0              | 0            | -              |
| Propane .....                                    | 22,219         | 70,830         | -48,611         | 4,038          | 0            | 4,038          |
| Normal Butane .....                              | 9,487          | 28,062         | -18,575         | 4,530          | 0            | 4,530          |
| Isobutane .....                                  | 3,441          | 13,632         | -10,191         | 1,256          | 0            | 1,256          |
| Natural Gasoline .....                           | 4,776          | 23,292         | -18,516         | 0              | 0            | -              |
| Refinery Olefins .....                           | 0              | 0              | -               | 0              | 0            | -              |
| Ethylene .....                                   | -              | -              | -               | -              | -            | -              |
| Propylene .....                                  | 0              | 0              | -               | 0              | 0            | -              |
| Butylene .....                                   | 0              | 0              | -               | 0              | 0            | -              |
| Isobutylene .....                                | 0              | 0              | -               | 0              | 0            | -              |
| Unfinished Oils .....                            | 0              | 0              | -               | 0              | 0            | -              |
| Motor Gasoline Blending Components .....         | 15,673         | 14,475         | 1,198           | 56,279         | 0            | 56,279         |
| Reformulated - RBOB .....                        | -              | -              | -               | 28,825         | 0            | 28,825         |
| Conventional .....                               | 15,673         | 14,475         | 1,198           | 27,454         | 0            | 27,454         |
| CBOB .....                                       | 15,673         | 14,475         | 1,198           | 27,299         | 0            | 27,299         |
| GTAB .....                                       | -              | -              | -               | 0              | 0            | -              |
| Other .....                                      | 0              | 0              | -               | 155            | 0            | 155            |
| Renewable Fuels .....                            | 4,710          | 220            | 4,491           | 59,417         | 71           | 59,346         |
| Fuel Ethanol .....                               | 4,246          | 220            | 4,027           | 54,926         | 0            | 54,926         |
| Renewable Diesel Fuel <sup>2</sup> .....         | 464            | 0              | 464             | 4,491          | 71           | 4,420          |
| Other Renewable Fuels .....                      | -              | -              | -               | 0              | 0            | -              |
| Finished Motor Gasoline .....                    | 2,257          | 9,356          | -7,099          | 5,671          | 0            | 5,671          |
| Reformulated .....                               | -              | -              | -               | 0              | 0            | -              |
| Reformulated Blended with Fuel Ethanol .....     | -              | -              | -               | 0              | 0            | -              |
| Reformulated Other .....                         | -              | -              | -               | -              | -            | -              |
| Conventional .....                               | 2,257          | 9,356          | -7,099          | 5,671          | 0            | 5,671          |
| Conventional Blended with Fuel Ethanol .....     | 0              | 0              | -               | 0              | 0            | -              |
| Ed55 and Lower .....                             | 0              | 0              | -               | 0              | 0            | -              |
| Greater than Ed55 .....                          | 0              | 0              | -               | 0              | 0            | -              |
| Conventional Other .....                         | 2,257          | 9,356          | -7,099          | 5,671          | 0            | 5,671          |
| Finished Aviation Gasoline .....                 | 0              | 0              | -               | 0              | 0            | -              |
| Kerosene-Type Jet Fuel .....                     | 9,241          | 298            | 8,943           | 3,258          | 0            | 3,258          |
| Kerosene .....                                   | 0              | 0              | -               | 0              | 0            | -              |
| Distillate Fuel Oil .....                        | 7,821          | 8,012          | -191            | 11,285         | 0            | 11,285         |
| 15 ppm sulfur and under .....                    | 7,821          | 7,972          | -151            | 11,245         | 0            | 11,245         |
| Greater than 15 ppm to 500 ppm sulfur .....      | 0              | 40             | -40             | 40             | 0            | 40             |
| Greater than 500 ppm sulfur .....                | 0              | 0              | -               | 0              | 0            | -              |
| Residual Fuel Oil .....                          | 0              | 0              | -               | 0              | 0            | -              |
| Petrochemical Feedstocks .....                   | -              | -              | -               | 0              | 0            | -              |
| Naphtha for Petrochemical Feedstock Use .....    | -              | -              | -               | 0              | 0            | -              |
| Other Oils for Petrochemical Feedstock Use ..... | -              | -              | -               | -              | -            | -              |
| Special Naphthas .....                           | -              | -              | -               | 0              | 0            | -              |
| Lubricants .....                                 | 0              | 0              | -               | 0              | 359          | -359           |
| Waxes .....                                      | 0              | 0              | -               | 0              | 0            | -              |
| Marketable Petroleum Coke .....                  | 176            | 3,754          | -3,577          | 862            | 1,217        | -355           |
| Asphalt and Road Oil .....                       | 196            | 7,339          | -7,143          | 7,438          | 142          | 7,296          |
| Miscellaneous Products .....                     | 0              | 0              | -               | 0              | 0            | -              |
| <b>Total .....</b>                               | <b>170,458</b> | <b>520,601</b> | <b>-350,144</b> | <b>209,779</b> | <b>1,789</b> | <b>207,990</b> |

- = No Data Reported.

<sup>1</sup> Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.