

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2022
(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 |
| Crude Oil | 18,537 | 2,992 | 21,529 | 77,673 | 15,525 | 28,171 | 121,369 |
| Hydrocarbon Gas Liquids | 427 | - | 427 | 2,476 | 33 | 795 | 3,304 |
| Natural Gas Liquids | 427 | - | 427 | 2,476 | 33 | 795 | 3,304 |
| Normal Butane | 289 | - | 289 | 822 | - | 64 | 886 |
| Isobutane | 138 | - | 138 | 1,263 | 33 | 469 | 1,765 |
| Natural Gasoline | - | - | - | 391 | - | 262 | 653 |
| Other Liquids | -8,662 | -84 | -8,746 | -39,891 | -5,739 | -12,584 | -58,214 |
| Hydrogen/Biofuels/Other Hydrocarbons | 160 | 140 | 300 | 1,048 | 487 | 360 | 1,895 |
| Hydrogen | 103 | 6 | 109 | 813 | 310 | 209 | 1,332 |
| Biofuels (Including Fuel Ethanol) | 57 | 134 | 191 | 221 | 177 | 151 | 549 |
| Fuel Ethanol | 57 | 113 | 170 | 160 | 166 | 132 | 458 |
| Biodiesel | - | 21 | 21 | 61 | 11 | 19 | 91 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | - | - |
| Other Hydrocarbons | - | - | - | 14 | - | - | 14 |
| Unfinished Oils (net) | 1,753 | -102 | 1,651 | -559 | 306 | -257 | -510 |
| Naphthas and Lighter | 114 | -50 | 64 | -80 | 7 | -178 | -251 |
| Kerosene and Light Gas Oils | 177 | - | 177 | -222 | 37 | -57 | -242 |
| Heavy Gas Oils | 909 | -56 | 853 | 244 | 262 | 40 | 546 |
| Residuum | 553 | 4 | 557 | -501 | - | -62 | -563 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -10,575 | -122 | -10,697 | -40,380 | -6,532 | -12,687 | -59,599 |
| Reformulated - RBOB | -7,111 | - | -7,111 | -7,417 | - | - | -7,417 |
| Conventional | -3,464 | -122 | -3,586 | -32,963 | -6,532 | -12,687 | -52,182 |
| CBOB | -2,850 | -136 | -2,986 | -31,504 | -6,401 | -12,738 | -50,643 |
| GTAB | - | - | - | - | - | - | - |
| Other | -614 | 14 | -600 | -1,459 | -131 | 51 | -1,539 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 10,302 | 2,908 | 13,210 | 40,258 | 9,819 | 16,382 | 66,459 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 631 | 97 | 728 | 2,504 | 512 | 911 | 3,927 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 87.7 | 98.3 | 89.0 | 92.0 | 93.5 | 98.2 | 93.6 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 92 | 15 | 107 | 442 | 68 | 161 | 670 |
| Catalytic Cracking | 245 | 16 | 260 | 759 | 140 | 215 | 1,113 |
| Catalytic Hydrocracking | 36 | - | 36 | 180 | 58 | 57 | 295 |
| Delayed and Fluid Coking | 32 | - | 32 | 353 | 71 | 89 | 513 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.73 | 1.66 | 0.86 | 1.64 | 1.84 | 0.67 | 1.44 |
| API Gravity, Weighted Average (degrees) | 35.18 | 31.74 | 34.70 | 31.72 | 27.04 | 38.94 | 32.71 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, January 2022
(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 | | | |
| Crude Oil | 20,259 | 132,990 | 92,183 | 7,382 | 1,911 | 254,725 | 18,217 | 63,658 | 479,498 |
| Hydrocarbon Gas Liquids | 784 | 4,548 | 4,196 | 80 | 100 | 9,708 | 548 | 1,191 | 15,178 |
| Natural Gas Liquids | 784 | 4,548 | 4,196 | 80 | 100 | 9,708 | 548 | 1,191 | 15,178 |
| Normal Butane | 472 | 1,837 | 2,059 | 43 | — | 4,411 | 268 | 748 | 6,602 |
| Isobutane | 274 | 1,901 | 1,198 | 34 | 100 | 3,507 | 176 | 426 | 6,012 |
| Natural Gasoline | 38 | 810 | 939 | 3 | — | 1,790 | 104 | 17 | 2,564 |
| Other Liquids | -9,516 | -54,402 | -30,963 | -1,981 | -1,070 | -97,932 | -4,777 | -30,222 | -199,891 |
| Hydrogen/Biofuels/Other Hydrocarbons | 330 | 2,322 | 1,762 | 104 | 61 | 4,579 | 541 | 1,867 | 9,182 |
| Hydrogen | 125 | 2,244 | 1,358 | 59 | 49 | 3,835 | 236 | 1,444 | 6,956 |
| Biofuels (Including Fuel Ethanol) | 205 | 78 | 404 | 45 | 12 | 744 | 305 | 423 | 2,212 |
| Fuel Ethanol | 186 | 42 | 183 | 37 | 5 | 453 | 248 | 108 | 1,437 |
| Biodiesel | 19 | 36 | 24 | 8 | 7 | 94 | 18 | 17 | 241 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 293 | 293 |
| Other Biofuels ¹ | — | — | 197 | — | — | 197 | 39 | 5 | 241 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 14 |
| Unfinished Oils (net) | -600 | -6,409 | 4,247 | -114 | -106 | -2,982 | -103 | 843 | -1,101 |
| Naphthas and Lighter | -117 | -7,482 | -575 | 37 | -155 | -8,292 | -21 | -846 | -9,346 |
| Kerosene and Light Gas Oils | -182 | -2,469 | 138 | -81 | -18 | -2,612 | 48 | 182 | -2,447 |
| Heavy Gas Oils | -244 | 610 | 1,706 | 23 | 67 | 2,162 | -56 | 1,132 | 4,637 |
| Residuum | -57 | 2,932 | 2,978 | -93 | — | 5,760 | -74 | 375 | 6,055 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,247 | -50,315 | -36,976 | -1,971 | -1,025 | -99,534 | -5,215 | -32,932 | -207,977 |
| Reformulated - RBOB | -899 | -13,426 | -1,075 | — | -473 | -15,873 | — | -24,843 | -55,244 |
| Conventional | -8,348 | -36,889 | -35,901 | -1,971 | -552 | -83,661 | -5,215 | -8,089 | -152,733 |
| CBOB | -8,229 | -30,279 | -34,556 | -1,945 | -600 | -75,609 | -5,146 | -7,825 | -142,209 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -119 | -6,610 | -1,345 | -26 | 48 | -8,052 | -69 | -264 | -10,524 |
| Aviation Gasoline Blend. Comp. (net) | 1 | — | 4 | — | — | 5 | — | — | 5 |
| Total Input to Refineries | 11,527 | 83,136 | 65,416 | 5,481 | 941 | 166,501 | 13,988 | 34,627 | 294,785 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 660 | 4,467 | 3,154 | 217 | 62 | 8,560 | 591 | 2,163 | 15,970 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 88.5 | 85.9 | 95.9 | 83.5 | 56.0 | 89.1 | 89.2 | 81.7 | 89.0 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 141 | 693 | 531 | 38 | 9 | 1,412 | 95 | 327 | 2,611 |
| Catalytic Cracking | 167 | 1,223 | 723 | 16 | 19 | 2,148 | 156 | 527 | 4,205 |
| Catalytic Hydrocracking | 38 | 499 | 438 | 15 | 12 | 1,002 | 28 | 448 | 1,808 |
| Delayed and Fluid Coking | 28 | 718 | 488 | 26 | — | 1,260 | 53 | 366 | 2,223 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.67 | 1.41 | 1.11 | 1.29 | 0.83 | 1.23 | 1.38 | 1.41 | 1.29 |
| API Gravity, Weighted Average (degrees) | 39.88 | 33.74 | 32.00 | 31.64 | 38.11 | 33.69 | 32.19 | 28.33 | 32.70 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,113 | 3,288 | 260 | 110 | 9,517 | 654 | 2,642 | 17,789 |
| Idle | — | 90 | — | — | — | 90 | 10 | 8 | 145 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 13,631 | 13,631 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2022
(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 |
| Crude Oil | 15,790 | 2,528 | 18,318 | 69,668 | 14,166 | 24,861 | 108,695 |
| Hydrocarbon Gas Liquids | 385 | - | 385 | 1,908 | 27 | 679 | 2,614 |
| Natural Gas Liquids | 385 | - | 385 | 1,908 | 27 | 679 | 2,614 |
| Normal Butane | 259 | - | 259 | 582 | - | 47 | 629 |
| Isobutane | 126 | - | 126 | 985 | 27 | 415 | 1,427 |
| Natural Gasoline | - | - | - | 341 | - | 217 | 558 |
| Other Liquids | -6,757 | 36 | -6,721 | -33,932 | -5,346 | -10,680 | -49,958 |
| Hydrogen/Biofuels/Other Hydrocarbons | 163 | 126 | 289 | 932 | 446 | 311 | 1,689 |
| Hydrogen | 101 | 6 | 107 | 710 | 273 | 175 | 1,158 |
| Biofuels (Including Fuel Ethanol) | 62 | 120 | 182 | 215 | 173 | 136 | 524 |
| Fuel Ethanol | 62 | 101 | 163 | 158 | 161 | 118 | 437 |
| Biodiesel | - | 19 | 19 | 57 | 12 | 18 | 87 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | - | - |
| Other Hydrocarbons | - | - | - | 7 | - | - | 7 |
| Unfinished Oils (net) | 1,557 | -54 | 1,503 | 237 | 173 | 84 | 494 |
| Naphthas and Lighter | 86 | -8 | 78 | 427 | -7 | 293 | 713 |
| Kerosene and Light Gas Oils | 328 | - | 328 | -20 | 23 | 22 | 25 |
| Heavy Gas Oils | 943 | -47 | 896 | -123 | 157 | -138 | -104 |
| Residuum | 200 | 1 | 201 | -47 | - | -93 | -140 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,477 | -36 | -8,513 | -35,101 | -5,965 | -11,075 | -52,141 |
| Reformulated - RBOB | -5,679 | - | -5,679 | -5,953 | - | - | -5,953 |
| Conventional | -2,798 | -36 | -2,834 | -29,148 | -5,965 | -11,075 | -46,188 |
| CBOB | -2,477 | -46 | -2,523 | -27,853 | -5,740 | -11,098 | -44,691 |
| GTAB | - | - | - | - | - | - | - |
| Other | -321 | 10 | -311 | -1,295 | -225 | 23 | -1,497 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 9,418 | 2,564 | 11,982 | 37,644 | 8,847 | 14,860 | 61,351 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 598 | 90 | 688 | 2,490 | 519 | 890 | 3,898 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 83.2 | 91.7 | 84.2 | 91.5 | 94.6 | 95.9 | 92.9 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 90 | 14 | 104 | 459 | 74 | 163 | 696 |
| Catalytic Cracking | 227 | 14 | 241 | 709 | 143 | 202 | 1,055 |
| Catalytic Hydrocracking | 34 | - | 34 | 193 | 61 | 56 | 310 |
| Delayed and Fluid Coking | 36 | - | 36 | 362 | 77 | 85 | 524 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.91 | 1.60 | 1.00 | 1.62 | 1.96 | 0.66 | 1.44 |
| API Gravity, Weighted Average (degrees) | 36.16 | 32.26 | 35.62 | 31.95 | 26.32 | 38.97 | 32.73 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, February 2022
(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 | | | |
| Crude Oil | 18,100 | 120,156 | 81,160 | 6,747 | 2,592 | 228,755 | 16,027 | 59,329 | 431,124 |
| Hydrocarbon Gas Liquids | 616 | 3,678 | 3,700 | 60 | 117 | 8,171 | 374 | 741 | 12,285 |
| Natural Gas Liquids | 616 | 3,678 | 3,700 | 60 | 117 | 8,171 | 374 | 741 | 12,285 |
| Normal Butane | 337 | 1,122 | 1,598 | 28 | — | 3,085 | 125 | 311 | 4,409 |
| Isobutane | 249 | 1,821 | 1,193 | 28 | 117 | 3,408 | 146 | 415 | 5,522 |
| Natural Gasoline | 30 | 735 | 909 | 4 | — | 1,678 | 103 | 15 | 2,354 |
| Other Liquids | -8,232 | -48,415 | -29,133 | -1,550 | -1,459 | -88,789 | -3,590 | -28,737 | -177,795 |
| Hydrogen/Biofuels/Other Hydrocarbons | 298 | 1,881 | 1,533 | 106 | 51 | 3,869 | 528 | 1,464 | 7,839 |
| Hydrogen | 115 | 1,841 | 1,195 | 59 | 39 | 3,249 | 232 | 1,113 | 5,859 |
| Biofuels (Including Fuel Ethanol) | 183 | 40 | 338 | 47 | 12 | 620 | 296 | 351 | 1,973 |
| Fuel Ethanol | 166 | 41 | 176 | 38 | 5 | 426 | 241 | 104 | 1,371 |
| Biodiesel | 17 | -1 | 43 | 9 | 7 | 75 | 15 | 13 | 209 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 230 | 230 |
| Other Biofuels ¹ | — | — | 119 | — | — | 119 | 40 | 4 | 163 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 7 |
| Unfinished Oils (net) | -98 | -7,575 | 2,962 | 28 | -168 | -4,851 | -102 | -534 | -3,490 |
| Naphthas and Lighter | -269 | -8,478 | -1,010 | 50 | -100 | -9,807 | -94 | -375 | -9,485 |
| Kerosene and Light Gas Oils | 55 | -798 | -828 | 2 | -30 | -1,599 | 119 | -1,381 | -2,508 |
| Heavy Gas Oils | 243 | -322 | 1,522 | 30 | -38 | 1,435 | -150 | 1,014 | 3,091 |
| Residuum | -127 | 2,023 | 3,278 | -54 | — | 5,120 | 23 | 208 | 5,412 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,432 | -42,721 | -33,628 | -1,684 | -1,342 | -87,807 | -4,016 | -29,667 | -182,144 |
| Reformulated - RBOB | -607 | -11,779 | -1,613 | — | -548 | -14,547 | — | -21,806 | -47,985 |
| Conventional | -7,825 | -30,942 | -32,015 | -1,684 | -794 | -73,260 | -4,016 | -7,861 | -134,159 |
| CBOB | -7,773 | -24,545 | -29,621 | -1,669 | -777 | -64,385 | -3,977 | -7,804 | -123,380 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -52 | -6,397 | -2,394 | -15 | -17 | -8,875 | -39 | -57 | -10,779 |
| Aviation Gasoline Blend. Comp. (net) | 0 | — | — | — | — | 0 | — | — | 0 |
| Total Input to Refineries | 10,484 | 75,419 | 55,727 | 5,257 | 1,250 | 148,137 | 12,811 | 31,333 | 265,614 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 651 | 4,445 | 3,133 | 219 | 93 | 8,542 | 573 | 2,245 | 15,947 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 87.3 | 85.4 | 95.3 | 84.4 | 84.2 | 88.9 | 86.5 | 84.7 | 88.9 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 139 | 594 | 547 | 36 | 18 | 1,335 | 91 | 370 | 2,596 |
| Catalytic Cracking | 176 | 1,165 | 834 | 16 | 27 | 2,218 | 149 | 556 | 4,219 |
| Catalytic Hydrocracking | 39 | 464 | 436 | 15 | 17 | 972 | 26 | 438 | 1,779 |
| Delayed and Fluid Coking | 28 | 691 | 508 | 26 | — | 1,253 | 58 | 382 | 2,252 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.70 | 1.36 | 1.18 | 1.39 | 0.83 | 1.23 | 1.35 | 1.36 | 1.29 |
| API Gravity, Weighted Average (degrees) | 40.08 | 34.08 | 32.84 | 31.13 | 38.56 | 34.20 | 32.76 | 28.15 | 33.00 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,113 | 3,288 | 260 | 110 | 9,517 | 654 | 2,518 | 17,665 |
| Idle | — | 90 | — | — | — | 90 | 10 | 132 | 269 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 13,543 | 13,543 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2022
(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 |
| Crude Oil | 18,156 | 1,634 | 19,790 | 74,106 | 15,633 | 25,556 | 115,295 |
| Hydrocarbon Gas Liquids | 301 | - | 301 | 1,699 | 38 | 783 | 2,520 |
| Natural Gas Liquids | 301 | - | 301 | 1,699 | 38 | 783 | 2,520 |
| Normal Butane | 236 | - | 236 | 156 | - | 3 | 159 |
| Isobutane | 65 | - | 65 | 1,153 | 38 | 451 | 1,642 |
| Natural Gasoline | - | - | - | 390 | - | 329 | 719 |
| Other Liquids | -7,808 | 51 | -7,757 | -35,913 | -5,587 | -10,402 | -51,902 |
| Hydrogen/Biofuels/Other Hydrocarbons | 168 | 88 | 256 | 930 | 497 | 370 | 1,797 |
| Hydrogen | 99 | 9 | 108 | 692 | 308 | 195 | 1,195 |
| Biofuels (Including Fuel Ethanol) | 69 | 79 | 148 | 219 | 189 | 175 | 583 |
| Fuel Ethanol | 69 | 61 | 130 | 170 | 169 | 153 | 492 |
| Biodiesel | - | 18 | 18 | 49 | 20 | 22 | 91 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | - | - |
| Other Hydrocarbons | - | - | - | 19 | - | - | 19 |
| Unfinished Oils (net) | 776 | -102 | 674 | -1,550 | 41 | -305 | -1,814 |
| Naphthas and Lighter | -200 | 8 | -192 | -576 | -10 | -293 | -879 |
| Kerosene and Light Gas Oils | -87 | - | -87 | -451 | 12 | 9 | -430 |
| Heavy Gas Oils | 547 | -111 | 436 | -223 | 39 | -66 | -250 |
| Residuum | 516 | 1 | 517 | -300 | - | 45 | -255 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,752 | 65 | -8,687 | -35,293 | -6,125 | -10,467 | -51,885 |
| Reformulated - RBOB | -6,132 | - | -6,132 | -5,206 | - | - | -5,206 |
| Conventional | -2,620 | 65 | -2,555 | -30,087 | -6,125 | -10,467 | -46,679 |
| CBOB | -2,766 | 73 | -2,693 | -29,427 | -6,428 | -10,581 | -46,436 |
| GTAB | - | - | - | - | - | - | - |
| Other | 146 | -8 | 138 | -660 | 303 | 114 | -243 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 10,649 | 1,685 | 12,334 | 39,892 | 10,084 | 15,937 | 65,913 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 620 | 53 | 672 | 2,386 | 521 | 825 | 3,733 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 86.1 | 53.8 | 82.2 | 87.7 | 95.1 | 88.9 | 89.0 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 78 | 9 | 86 | 401 | 68 | 141 | 610 |
| Catalytic Cracking | 225 | 5 | 229 | 706 | 136 | 185 | 1,027 |
| Catalytic Hydrocracking | 24 | - | 24 | 156 | 57 | 47 | 260 |
| Delayed and Fluid Coking | 39 | - | 39 | 327 | 78 | 92 | 497 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.82 | 0.96 | 0.83 | 1.71 | 1.88 | 0.71 | 1.51 |
| API Gravity, Weighted Average (degrees) | 35.04 | 36.03 | 35.12 | 32.32 | 27.01 | 38.80 | 32.95 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,661 | 510 | 888 | 4,059 |
| Idle | - | - | - | 60 | 38 | 40 | 138 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, March 2022
(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 | | | |
| Crude Oil | 18,675 | 147,025 | 91,759 | 7,571 | 2,841 | 267,871 | 17,479 | 70,816 | 491,251 |
| Hydrocarbon Gas Liquids | 537 | 4,161 | 3,199 | 54 | 153 | 8,104 | 436 | 361 | 11,722 |
| Natural Gas Liquids | 537 | 4,161 | 3,199 | 54 | 153 | 8,104 | 436 | 361 | 11,722 |
| Normal Butane | 207 | 1,013 | 810 | 4 | — | 2,034 | 158 | 55 | 2,642 |
| Isobutane | 299 | 2,300 | 1,472 | 48 | 153 | 4,272 | 156 | 286 | 6,421 |
| Natural Gasoline | 31 | 848 | 917 | 2 | — | 1,798 | 122 | 20 | 2,659 |
| Other Liquids | -7,379 | -56,314 | -30,011 | -1,712 | -1,518 | -96,934 | -4,245 | -33,545 | -194,383 |
| Hydrogen/Biofuels/Other Hydrocarbons | 337 | 2,397 | 1,849 | 132 | 55 | 4,770 | 532 | 1,637 | 8,992 |
| Hydrogen | 105 | 2,297 | 1,353 | 73 | 41 | 3,869 | 242 | 1,241 | 6,655 |
| Biofuels (Including Fuel Ethanol) | 232 | 100 | 496 | 59 | 14 | 901 | 290 | 396 | 2,318 |
| Fuel Ethanol | 215 | 47 | 201 | 41 | 5 | 509 | 248 | 126 | 1,505 |
| Biodiesel | 17 | 53 | 60 | 18 | 9 | 157 | 12 | 17 | 295 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 251 | 251 |
| Other Biofuels ¹ | — | — | 235 | — | — | 235 | 30 | 2 | 267 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 19 |
| Unfinished Oils (net) | 239 | -3,671 | 4,865 | -66 | -37 | 1,330 | -77 | -1,240 | -1,127 |
| Naphthas and Lighter | -78 | -6,708 | -915 | -3 | -75 | -7,779 | -109 | 33 | -8,926 |
| Kerosene and Light Gas Oils | 189 | -1,413 | -35 | -13 | -4 | -1,276 | -52 | -621 | -2,466 |
| Heavy Gas Oils | 70 | 406 | 2,818 | 8 | 42 | 3,344 | 167 | -112 | 3,585 |
| Residuum | 58 | 4,044 | 2,997 | -58 | — | 7,041 | -83 | -540 | 6,680 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -7,967 | -55,040 | -36,729 | -1,778 | -1,536 | -103,050 | -4,700 | -33,942 | -202,264 |
| Reformulated - RBOB | -702 | -15,335 | -3,334 | — | -670 | -20,041 | — | -24,499 | -55,878 |
| Conventional | -7,265 | -39,705 | -33,395 | -1,778 | -866 | -83,009 | -4,700 | -9,443 | -146,386 |
| CBOB | -7,410 | -30,252 | -31,296 | -1,762 | -870 | -71,590 | -4,854 | -8,678 | -134,251 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | 145 | -9,453 | -2,099 | -16 | 4 | -11,419 | 154 | -765 | -12,135 |
| Aviation Gasoline Blend. Comp. (net) | 12 | — | 4 | — | — | 16 | — | — | 16 |
| Total Input to Refineries | 11,833 | 94,872 | 64,947 | 5,913 | 1,476 | 179,041 | 13,670 | 37,632 | 308,590 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 607 | 4,986 | 3,135 | 224 | 92 | 9,044 | 565 | 2,400 | 16,414 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 81.4 | 95.8 | 95.4 | 86.2 | 83.3 | 94.2 | 85.1 | 90.6 | 91.5 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 131 | 753 | 524 | 38 | 18 | 1,464 | 86 | 402 | 2,648 |
| Catalytic Cracking | 165 | 1,243 | 802 | 16 | 24 | 2,250 | 163 | 573 | 4,241 |
| Catalytic Hydrocracking | 44 | 573 | 407 | 17 | 14 | 1,054 | 28 | 444 | 1,810 |
| Delayed and Fluid Coking | 20 | 756 | 479 | 25 | — | 1,280 | 52 | 409 | 2,277 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.55 | 1.42 | 1.19 | 1.26 | 0.83 | 1.25 | 1.40 | 1.35 | 1.32 |
| API Gravity, Weighted Average (degrees) | 40.16 | 33.82 | 32.74 | 32.66 | 38.86 | 34.02 | 32.35 | 28.55 | 32.98 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,158 | 3,288 | 260 | 110 | 9,562 | 654 | 2,644 | 17,736 |
| Idle | — | 45 | — | — | — | 45 | 10 | 6 | 198 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 15,689 | 15,689 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022
(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 |
| Crude Oil | 19,208 | 1,180 | 20,388 | 69,928 | 14,590 | 26,023 | 110,541 |
| Hydrocarbon Gas Liquids | 209 | - | 209 | 1,675 | 37 | 752 | 2,464 |
| Natural Gas Liquids | 209 | - | 209 | 1,675 | 37 | 752 | 2,464 |
| Normal Butane | 62 | - | 62 | - | - | - | - |
| Isobutane | 147 | - | 147 | 1,233 | 37 | 472 | 1,742 |
| Natural Gasoline | - | - | - | 442 | - | 280 | 722 |
| Other Liquids | -7,762 | 112 | -7,650 | -32,363 | -5,038 | -10,764 | -48,165 |
| Hydrogen/Biofuels/Other Hydrocarbons | 197 | 65 | 262 | 808 | 499 | 381 | 1,688 |
| Hydrogen | 120 | - | 120 | 593 | 276 | 191 | 1,060 |
| Biofuels (Including Fuel Ethanol) | 77 | 65 | 142 | 198 | 223 | 190 | 611 |
| Fuel Ethanol | 77 | 51 | 128 | 160 | 169 | 146 | 475 |
| Biodiesel | - | 14 | 14 | 38 | 54 | 24 | 116 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 20 | 20 |
| Other Hydrocarbons | - | - | - | 17 | - | - | 17 |
| Unfinished Oils (net) | 431 | -209 | 222 | -526 | -43 | -769 | -1,338 |
| Naphthas and Lighter | -160 | -180 | -340 | 299 | 17 | -170 | 146 |
| Kerosene and Light Gas Oils | 95 | - | 95 | -206 | 20 | -277 | -463 |
| Heavy Gas Oils | 288 | -26 | 262 | -140 | -80 | 15 | -205 |
| Residuum | 208 | -3 | 205 | -479 | - | -337 | -816 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,390 | 256 | -8,134 | -32,645 | -5,494 | -10,376 | -48,515 |
| Reformulated - RBOB | -6,010 | - | -6,010 | -6,627 | - | - | -6,627 |
| Conventional | -2,380 | 256 | -2,124 | -26,018 | -5,494 | -10,376 | -41,888 |
| CBOB | -2,303 | 281 | -2,022 | -26,622 | -5,483 | -10,384 | -42,489 |
| GTAB | - | - | - | - | - | - | - |
| Other | -77 | -25 | -102 | 604 | -11 | 8 | 601 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 11,655 | 1,292 | 12,947 | 39,240 | 9,589 | 16,011 | 64,840 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 652 | 39 | 691 | 2,328 | 508 | 868 | 3,704 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 90.6 | 40.2 | 84.5 | 85.6 | 92.6 | 93.6 | 88.3 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 60 | 4 | 64 | 427 | 70 | 144 | 641 |
| Catalytic Cracking | 242 | 4 | 246 | 683 | 130 | 204 | 1,016 |
| Catalytic Hydrocracking | 31 | - | 31 | 156 | 65 | 46 | 267 |
| Delayed and Fluid Coking | 35 | - | 35 | 292 | 61 | 85 | 438 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.85 | 0.86 | 0.86 | 1.59 | 1.81 | 0.73 | 1.41 |
| API Gravity, Weighted Average (degrees) | 35.26 | 37.40 | 35.39 | 33.77 | 27.56 | 38.68 | 34.06 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,661 | 510 | 928 | 4,099 |
| Idle | - | - | - | 60 | 38 | - | 98 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2022
(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 | | | |
| Crude Oil | 19,687 | 143,544 | 86,385 | 7,468 | 2,514 | 259,598 | 16,456 | 62,466 | 469,449 |
| Hydrocarbon Gas Liquids | 384 | 4,215 | 2,561 | 59 | 115 | 7,334 | 416 | 459 | 10,882 |
| Natural Gas Liquids | 384 | 4,215 | 2,561 | 59 | 115 | 7,334 | 416 | 459 | 10,882 |
| Normal Butane | 98 | 1,003 | 204 | — | — | 1,305 | 118 | 21 | 1,506 |
| Isobutane | 258 | 2,357 | 1,491 | 54 | 115 | 4,275 | 158 | 423 | 6,745 |
| Natural Gasoline | 28 | 855 | 866 | 5 | — | 1,754 | 140 | 15 | 2,631 |
| Other Liquids | -8,185 | -52,990 | -25,910 | -1,584 | -1,405 | -90,074 | -3,852 | -26,465 | -176,206 |
| Hydrogen/Biofuels/Other Hydrocarbons | 306 | 2,396 | 2,044 | 119 | 43 | 4,908 | 543 | 1,736 | 9,137 |
| Hydrogen | 79 | 2,345 | 1,515 | 61 | 36 | 4,036 | 210 | 1,355 | 6,781 |
| Biofuels (Including Fuel Ethanol) | 227 | 51 | 529 | 58 | 7 | 872 | 333 | 381 | 2,339 |
| Fuel Ethanol | 206 | 48 | 194 | 44 | 5 | 497 | 275 | 126 | 1,501 |
| Biodiesel | 21 | 3 | 44 | 14 | 2 | 84 | 27 | 17 | 258 |
| Renewable Diesel Fuel | — | — | 21 | — | — | 21 | — | 237 | 258 |
| Other Biofuels ¹ | — | — | 270 | — | — | 270 | 31 | 1 | 322 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 17 |
| Unfinished Oils (net) | -400 | -3,157 | 9,908 | -63 | -175 | 6,113 | -585 | 3,634 | 8,046 |
| Naphthas and Lighter | 259 | -6,710 | -308 | 4 | -95 | -6,850 | -241 | 123 | -7,162 |
| Kerosene and Light Gas Oils | -176 | -1,538 | -275 | 36 | -52 | -2,005 | -79 | 65 | -2,387 |
| Heavy Gas Oils | -212 | 2,021 | 6,326 | -21 | -28 | 8,086 | -255 | 2,307 | 10,195 |
| Residuum | -271 | 3,070 | 4,165 | -82 | — | 6,882 | -10 | 1,139 | 7,400 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,100 | -52,229 | -37,864 | -1,640 | -1,273 | -101,106 | -3,810 | -31,835 | -193,400 |
| Reformulated - RBOB | -699 | -14,107 | -6,427 | — | -438 | -21,671 | — | -24,513 | -58,821 |
| Conventional | -7,401 | -38,122 | -31,437 | -1,640 | -835 | -79,435 | -3,810 | -7,322 | -134,579 |
| CBOB | -7,485 | -29,538 | -29,425 | -1,630 | -798 | -68,876 | -3,941 | -8,072 | -125,400 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | 84 | -8,584 | -2,012 | -10 | -37 | -10,559 | 131 | 750 | -9,179 |
| Aviation Gasoline Blend. Comp. (net) | 9 | — | 2 | — | — | 11 | — | — | 11 |
| Total Input to Refineries | 11,886 | 94,769 | 63,036 | 5,943 | 1,224 | 176,858 | 13,020 | 36,460 | 304,125 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 661 | 4,869 | 3,120 | 221 | 84 | 8,955 | 551 | 2,222 | 16,122 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 88.6 | 93.6 | 94.9 | 85.1 | 76.2 | 93.2 | 83.0 | 83.8 | 89.9 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 145 | 776 | 476 | 37 | 16 | 1,450 | 89 | 352 | 2,596 |
| Catalytic Cracking | 156 | 1,333 | 881 | 18 | 22 | 2,409 | 145 | 660 | 4,477 |
| Catalytic Hydrocracking | 23 | 581 | 392 | 18 | 8 | 1,022 | 28 | 437 | 1,785 |
| Delayed and Fluid Coking | 19 | 769 | 511 | 33 | — | 1,332 | 44 | 384 | 2,234 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.54 | 1.46 | 1.20 | 1.33 | 0.83 | 1.28 | 1.23 | 1.32 | 1.30 |
| API Gravity, Weighted Average (degrees) | 40.08 | 34.22 | 29.83 | 31.74 | 38.68 | 33.27 | 33.48 | 28.68 | 32.92 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,203 | 3,163 | 260 | 110 | 9,482 | 592 | 2,644 | 17,634 |
| Idle | — | — | 125 | — | — | 125 | 71 | 6 | 300 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 13,311 | 13,311 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2022
(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 |
| Crude Oil | 21,394 | 2,791 | 24,185 | 76,822 | 16,470 | 27,556 | 120,848 |
| Hydrocarbon Gas Liquids | 125 | - | 125 | 1,746 | 50 | 731 | 2,527 |
| Natural Gas Liquids | 125 | - | 125 | 1,746 | 50 | 731 | 2,527 |
| Normal Butane | - | - | - | - | - | - | - |
| Isobutane | 125 | - | 125 | 1,338 | 50 | 444 | 1,832 |
| Natural Gasoline | - | - | - | 408 | - | 287 | 695 |
| Other Liquids | -8,275 | -69 | -8,344 | -34,175 | -5,552 | -10,665 | -50,392 |
| Hydrogen/Biofuels/Other Hydrocarbons | 162 | 129 | 291 | 876 | 533 | 423 | 1,832 |
| Hydrogen | 98 | - | 98 | 640 | 298 | 195 | 1,133 |
| Biofuels (Including Fuel Ethanol) | 64 | 129 | 193 | 233 | 235 | 228 | 696 |
| Fuel Ethanol | 64 | 98 | 162 | 187 | 169 | 159 | 515 |
| Biodiesel | - | 31 | 31 | 46 | 66 | 19 | 131 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 50 | 50 |
| Other Hydrocarbons | - | - | - | 3 | - | - | 3 |
| Unfinished Oils (net) | 761 | -126 | 635 | -1,067 | 31 | 474 | -562 |
| Naphthas and Lighter | 468 | -85 | 383 | -43 | -52 | 204 | 109 |
| Kerosene and Light Gas Oils | 472 | - | 472 | -20 | 39 | 344 | 363 |
| Heavy Gas Oils | -334 | -42 | -376 | -628 | 44 | -12 | -596 |
| Residuum | 155 | 1 | 156 | -376 | - | -62 | -438 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,198 | -72 | -9,270 | -33,984 | -6,116 | -11,562 | -51,662 |
| Reformulated - RBOB | -6,565 | - | -6,565 | -7,368 | - | - | -7,368 |
| Conventional | -2,633 | -72 | -2,705 | -26,616 | -6,116 | -11,562 | -44,294 |
| CBOB | -2,376 | -69 | -2,445 | -26,399 | -6,061 | -11,528 | -43,988 |
| GTAB | - | - | - | - | - | - | - |
| Other | -257 | -3 | -260 | -217 | -55 | -34 | -306 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 13,244 | 2,722 | 15,966 | 44,393 | 10,968 | 17,622 | 72,983 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 699 | 90 | 788 | 2,472 | 546 | 890 | 3,908 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 97.1 | 91.5 | 96.4 | 90.9 | 99.7 | 95.9 | 93.1 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 126 | 14 | 141 | 451 | 76 | 169 | 696 |
| Catalytic Cracking | 219 | 16 | 234 | 711 | 135 | 199 | 1,044 |
| Catalytic Hydrocracking | 43 | - | 43 | 168 | 67 | 54 | 288 |
| Delayed and Fluid Coking | 39 | - | 39 | 319 | 73 | 84 | 476 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.84 | 1.57 | 0.92 | 1.41 | 1.77 | 0.65 | 1.29 |
| API Gravity, Weighted Average (degrees) | 33.84 | 32.26 | 33.65 | 33.82 | 28.21 | 38.86 | 34.14 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, May 2022
(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 | | | |
| Crude Oil | 20,822 | 151,395 | 91,990 | 8,237 | 2,630 | 275,074 | 14,707 | 68,588 | 503,402 |
| Hydrocarbon Gas Liquids | 499 | 4,354 | 2,926 | 53 | 123 | 7,955 | 376 | 560 | 11,543 |
| Natural Gas Liquids | 499 | 4,354 | 2,926 | 53 | 123 | 7,955 | 376 | 560 | 11,543 |
| Normal Butane | 193 | 842 | 296 | — | — | 1,331 | 58 | 14 | 1,403 |
| Isobutane | 258 | 2,604 | 1,382 | 49 | 123 | 4,416 | 170 | 529 | 7,072 |
| Natural Gasoline | 48 | 908 | 1,248 | 4 | — | 2,208 | 148 | 17 | 3,068 |
| Other Liquids | -8,038 | -53,483 | -33,321 | -1,856 | -1,223 | -97,921 | -2,739 | -31,616 | -191,012 |
| Hydrogen/Biofuels/Other Hydrocarbons | 326 | 2,481 | 1,760 | 112 | 49 | 4,728 | 490 | 1,883 | 9,224 |
| Hydrogen | 112 | 2,392 | 1,381 | 61 | 40 | 3,986 | 202 | 1,531 | 6,950 |
| Biofuels (Including Fuel Ethanol) | 214 | 89 | 379 | 51 | 9 | 742 | 288 | 352 | 2,271 |
| Fuel Ethanol | 191 | 49 | 200 | 44 | 6 | 490 | 254 | 133 | 1,554 |
| Biodiesel | 23 | 40 | 30 | 7 | 3 | 103 | 18 | 16 | 299 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 203 | 203 |
| Other Biofuels ¹ | — | — | 149 | — | — | 149 | 16 | — | 215 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 3 |
| Unfinished Oils (net) | 41 | -3,574 | 5,768 | -217 | 90 | 2,108 | -49 | 686 | 2,818 |
| Naphthas and Lighter | -14 | -6,782 | -295 | -54 | 2 | -7,143 | -141 | -535 | -7,327 |
| Kerosene and Light Gas Oils | 77 | -1,090 | -293 | -89 | 47 | -1,348 | 47 | -607 | -1,073 |
| Heavy Gas Oils | 50 | 953 | 4,180 | -9 | 41 | 5,215 | 125 | 1,539 | 5,907 |
| Residuum | -72 | 3,345 | 2,176 | -65 | — | 5,384 | -80 | 289 | 5,311 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,413 | -52,390 | -40,849 | -1,751 | -1,362 | -104,765 | -3,180 | -34,185 | -203,062 |
| Reformulated - RBOB | -988 | -16,179 | -7,261 | — | -611 | -25,039 | — | -24,983 | -63,955 |
| Conventional | -7,425 | -36,211 | -33,588 | -1,751 | -751 | -79,726 | -3,180 | -9,202 | -139,107 |
| CBOB | -7,420 | -28,881 | -32,051 | -1,737 | -823 | -70,912 | -3,607 | -9,278 | -130,230 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -5 | -7,330 | -1,537 | -14 | 72 | -8,814 | 427 | 76 | -8,877 |
| Aviation Gasoline Blend. Comp. (net) | 8 | — | — | — | — | 8 | — | — | 8 |
| Total Input to Refineries | 13,283 | 102,266 | 61,595 | 6,434 | 1,530 | 185,108 | 12,344 | 37,532 | 323,933 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 676 | 5,109 | 3,148 | 238 | 85 | 9,257 | 472 | 2,309 | 16,734 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 90.6 | 98.2 | 95.8 | 91.6 | 77.1 | 96.4 | 71.1 | 87.1 | 93.3 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 142 | 757 | 554 | 39 | 19 | 1,510 | 77 | 381 | 2,805 |
| Catalytic Cracking | 171 | 1,376 | 843 | 19 | 22 | 2,430 | 129 | 638 | 4,476 |
| Catalytic Hydrocracking | 47 | 530 | 437 | 17 | 15 | 1,046 | 28 | 437 | 1,842 |
| Delayed and Fluid Coking | 26 | 779 | 497 | 33 | — | 1,336 | 26 | 401 | 2,278 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.63 | 1.47 | 1.16 | 1.28 | 0.83 | 1.28 | 1.08 | 1.28 | 1.26 |
| API Gravity, Weighted Average (degrees) | 39.65 | 34.48 | 31.80 | 31.84 | 38.14 | 34.00 | 34.23 | 29.85 | 33.47 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 592 | 2,644 | 17,819 |
| Idle | — | — | — | — | — | — | 71 | 6 | 115 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 15,965 | 15,965 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2022
(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 |
| Crude Oil | 20,792 | 2,877 | 23,669 | 77,807 | 15,095 | 27,693 | 120,595 |
| Hydrocarbon Gas Liquids | 120 | - | 120 | 1,642 | 69 | 871 | 2,582 |
| Natural Gas Liquids | 120 | - | 120 | 1,642 | 69 | 871 | 2,582 |
| Normal Butane | - | - | - | 7 | - | - | 7 |
| Isobutane | 120 | - | 120 | 1,240 | 69 | 478 | 1,787 |
| Natural Gasoline | - | - | - | 395 | - | 393 | 788 |
| Other Liquids | -8,417 | 81 | -8,336 | -35,351 | -5,264 | -10,895 | -51,510 |
| Hydrogen/Biofuels/Other Hydrocarbons | 163 | 141 | 304 | 908 | 517 | 416 | 1,841 |
| Hydrogen | 93 | - | 93 | 676 | 252 | 188 | 1,116 |
| Biofuels (Including Fuel Ethanol) | 70 | 141 | 211 | 215 | 265 | 228 | 708 |
| Fuel Ethanol | 70 | 108 | 178 | 178 | 184 | 146 | 508 |
| Biodiesel | - | 33 | 33 | 37 | 81 | 23 | 141 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 59 | 59 |
| Other Hydrocarbons | - | - | - | 17 | - | - | 17 |
| Unfinished Oils (net) | 1,254 | -42 | 1,212 | -1,299 | 65 | 212 | -1,022 |
| Naphthas and Lighter | 533 | -5 | 528 | 228 | 47 | 102 | 377 |
| Kerosene and Light Gas Oils | 209 | - | 209 | -573 | 7 | -23 | -589 |
| Heavy Gas Oils | 283 | -34 | 249 | -412 | 11 | 81 | -320 |
| Residuum | 229 | -3 | 226 | -542 | - | 52 | -490 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,834 | -18 | -9,852 | -34,960 | -5,846 | -11,523 | -52,329 |
| Reformulated - RBOB | -6,899 | - | -6,899 | -7,699 | - | - | -7,699 |
| Conventional | -2,935 | -18 | -2,953 | -27,261 | -5,846 | -11,523 | -44,630 |
| CBOB | -2,701 | -2 | -2,703 | -26,781 | -5,761 | -11,671 | -44,213 |
| GTAB | - | - | - | - | - | - | - |
| Other | -234 | -16 | -250 | -480 | -85 | 148 | -417 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 12,495 | 2,958 | 15,453 | 44,098 | 9,900 | 17,669 | 71,667 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 722 | 96 | 819 | 2,584 | 520 | 931 | 4,034 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 100.4 | 98.1 | 100.1 | 95.0 | 94.8 | 100.3 | 96.1 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 134 | 16 | 149 | 495 | 79 | 179 | 753 |
| Catalytic Cracking | 249 | 16 | 266 | 748 | 139 | 224 | 1,112 |
| Catalytic Hydrocracking | 48 | - | 48 | 197 | 62 | 53 | 312 |
| Delayed and Fluid Coking | 40 | - | 40 | 317 | 66 | 75 | 457 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.87 | 1.70 | 0.96 | 1.50 | 1.57 | 0.70 | 1.32 |
| API Gravity, Weighted Average (degrees) | 35.56 | 31.73 | 35.12 | 33.59 | 28.70 | 39.18 | 34.18 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2022
(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 | | | |
| Crude Oil | 21,576 | 146,872 | 89,317 | 7,894 | 2,752 | 268,411 | 18,198 | 66,257 | 497,130 |
| Hydrocarbon Gas Liquids | 326 | 3,727 | 2,703 | 58 | 116 | 6,930 | 408 | 489 | 10,529 |
| Natural Gas Liquids | 326 | 3,727 | 2,703 | 58 | 116 | 6,930 | 408 | 489 | 10,529 |
| Normal Butane | 5 | 378 | 220 | - | - | 603 | 75 | 9 | 694 |
| Isobutane | 284 | 2,415 | 1,445 | 54 | 116 | 4,314 | 183 | 461 | 6,865 |
| Natural Gasoline | 37 | 934 | 1,038 | 4 | - | 2,013 | 150 | 19 | 2,970 |
| Other Liquids | -8,953 | -53,161 | -28,590 | -1,743 | -1,405 | -93,852 | -3,964 | -28,754 | -186,416 |
| Hydrogen/Biofuels/Other Hydrocarbons | 338 | 2,427 | 1,840 | 106 | 28 | 4,739 | 531 | 1,895 | 9,310 |
| Hydrogen | 104 | 2,384 | 1,584 | 63 | 17 | 4,152 | 221 | 1,463 | 7,045 |
| Biofuels (Including Fuel Ethanol) | 234 | 43 | 256 | 43 | 11 | 587 | 310 | 432 | 2,248 |
| Fuel Ethanol | 211 | 45 | 191 | 39 | 8 | 494 | 273 | 135 | 1,588 |
| Biodiesel | 23 | -2 | 37 | 4 | 3 | 65 | 27 | 16 | 282 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - | 281 | 281 |
| Other Biofuels ¹ | - | - | 28 | - | - | 28 | 10 | - | 97 |
| Other Hydrocarbons | - | - | - | - | - | - | - | - | 17 |
| Unfinished Oils (net) | -198 | -3,361 | 9,013 | -39 | 52 | 5,467 | 139 | 2,568 | 8,364 |
| Naphthas and Lighter | -47 | -6,161 | -161 | -2 | 102 | -6,269 | 115 | -156 | -5,405 |
| Kerosene and Light Gas Oils | -91 | -703 | 68 | -15 | -17 | -758 | -68 | 80 | -1,126 |
| Heavy Gas Oils | -87 | 1,060 | 7,479 | 60 | -33 | 8,479 | 236 | 2,397 | 11,041 |
| Residuum | 27 | 2,443 | 1,627 | -82 | - | 4,015 | -144 | 247 | 3,854 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,087 | -52,227 | -39,449 | -1,810 | -1,485 | -104,058 | -4,634 | -33,217 | -204,090 |
| Reformulated - RBOB | -695 | -17,470 | -6,517 | - | -541 | -25,223 | - | -23,981 | -63,802 |
| Conventional | -8,392 | -34,757 | -32,932 | -1,810 | -944 | -78,835 | -4,634 | -9,236 | -140,288 |
| CBOB | -8,108 | -26,936 | -30,339 | -1,779 | -907 | -68,069 | -4,730 | -8,767 | -128,482 |
| GTAB | - | - | - | - | - | - | - | - | - |
| Other | -284 | -7,821 | -2,593 | -31 | -37 | -10,766 | 96 | -469 | -11,806 |
| Aviation Gasoline Blend. Comp. (net) | -6 | - | 6 | - | - | 0 | - | - | 0 |
| Total Input to Refineries | 12,949 | 97,438 | 63,430 | 6,209 | 1,463 | 181,489 | 14,642 | 37,992 | 321,243 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 723 | 5,051 | 3,205 | 240 | 92 | 9,312 | 605 | 2,339 | 17,108 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operable Utilization Rate (percent) ² | 97.0 | 97.1 | 97.5 | 92.5 | 83.4 | 96.9 | 91.3 | 88.3 | 95.4 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 155 | 828 | 587 | 39 | 21 | 1,630 | 101 | 417 | 3,049 |
| Catalytic Cracking | 183 | 1,332 | 888 | 18 | 23 | 2,444 | 168 | 622 | 4,610 |
| Catalytic Hydrocracking | 41 | 588 | 484 | 18 | 15 | 1,146 | 24 | 443 | 1,974 |
| Delayed and Fluid Coking | 29 | 789 | 509 | 28 | - | 1,355 | 40 | 402 | 2,295 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.61 | 1.51 | 1.31 | 1.31 | 0.83 | 1.34 | 1.27 | 1.33 | 1.31 |
| API Gravity, Weighted Average (degrees) | 39.76 | 33.61 | 31.50 | 31.99 | 38.22 | 33.52 | 33.25 | 30.02 | 33.27 |
| Operable Capacity (daily average) | 746 | 5,203 | 3,288 | 260 | 110 | 9,607 | 663 | 2,650 | 17,934 |
| Operating | 746 | 5,160 | 3,288 | 260 | 110 | 9,564 | 654 | 2,644 | 17,838 |
| Idle | - | 43 | - | - | - | 43 | 10 | 6 | 96 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - | 13,784 | 13,784 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2022
(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 |
| Crude Oil | 21,770 | 2,864 | 24,634 | 76,932 | 14,084 | 26,894 | 117,910 |
| Hydrocarbon Gas Liquids | 119 | - | 119 | 1,653 | 60 | 926 | 2,639 |
| Natural Gas Liquids | 119 | - | 119 | 1,653 | 60 | 926 | 2,639 |
| Normal Butane | - | - | - | - | - | - | - |
| Isobutane | 119 | - | 119 | 1,245 | 60 | 447 | 1,752 |
| Natural Gasoline | - | - | - | 408 | - | 479 | 887 |
| Other Liquids | -8,654 | 60 | -8,594 | -34,101 | -4,749 | -11,187 | -50,037 |
| Hydrogen/Biofuels/Other Hydrocarbons | 151 | 142 | 293 | 950 | 497 | 398 | 1,845 |
| Hydrogen | 75 | - | 75 | 701 | 294 | 173 | 1,168 |
| Biofuels (Including Fuel Ethanol) | 76 | 142 | 218 | 236 | 203 | 225 | 664 |
| Fuel Ethanol | 76 | 110 | 186 | 195 | 144 | 148 | 487 |
| Biodiesel | - | 32 | 32 | 41 | 59 | 22 | 122 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 55 | 55 |
| Other Hydrocarbons | - | - | - | 13 | - | - | 13 |
| Unfinished Oils (net) | 1,313 | -54 | 1,259 | 130 | -141 | -109 | -120 |
| Naphthas and Lighter | 690 | 19 | 709 | 602 | -236 | -15 | 351 |
| Kerosene and Light Gas Oils | 152 | - | 152 | -291 | -74 | -44 | -409 |
| Heavy Gas Oils | 87 | -76 | 11 | 40 | 169 | 42 | 251 |
| Residuum | 384 | 3 | 387 | -221 | - | -92 | -313 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -10,118 | -28 | -10,146 | -35,181 | -5,105 | -11,476 | -51,762 |
| Reformulated - RBOB | -6,590 | - | -6,590 | -7,012 | - | - | -7,012 |
| Conventional | -3,528 | -28 | -3,556 | -28,169 | -5,105 | -11,476 | -44,750 |
| CBOB | -2,760 | -7 | -2,767 | -28,038 | -4,734 | -11,468 | -44,240 |
| GTAB | - | - | - | - | - | - | - |
| Other | -768 | -21 | -789 | -131 | -371 | -8 | -510 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 13,235 | 2,924 | 16,159 | 44,484 | 9,395 | 16,633 | 70,512 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 726 | 92 | 819 | 2,466 | 469 | 874 | 3,809 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 100.9 | 94.1 | 100.1 | 90.6 | 85.6 | 94.2 | 90.8 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 137 | 16 | 153 | 483 | 54 | 171 | 708 |
| Catalytic Cracking | 235 | 15 | 249 | 752 | 124 | 218 | 1,094 |
| Catalytic Hydrocracking | 49 | - | 49 | 208 | 54 | 50 | 312 |
| Delayed and Fluid Coking | 41 | - | 41 | 317 | 75 | 79 | 471 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.92 | 1.71 | 1.02 | 1.58 | 1.77 | 0.58 | 1.37 |
| API Gravity, Weighted Average (degrees) | 35.30 | 31.96 | 34.89 | 33.02 | 27.85 | 39.34 | 33.77 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, July 2022
(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 | | | |
| Crude Oil | 20,434 | 150,711 | 97,246 | 7,801 | 3,042 | 279,234 | 19,591 | 65,729 | 507,098 |
| Hydrocarbon Gas Liquids | 424 | 3,835 | 3,229 | 57 | 134 | 7,679 | 515 | 690 | 11,642 |
| Natural Gas Liquids | 424 | 3,835 | 3,229 | 57 | 134 | 7,679 | 515 | 690 | 11,642 |
| Normal Butane | 102 | 332 | 405 | — | — | 839 | 127 | 19 | 985 |
| Isobutane | 250 | 2,537 | 1,562 | 54 | 134 | 4,537 | 199 | 652 | 7,259 |
| Natural Gasoline | 72 | 966 | 1,262 | 3 | — | 2,303 | 189 | 19 | 3,398 |
| Other Liquids | -8,182 | -54,167 | -31,583 | -1,668 | -1,452 | -97,052 | -4,852 | -29,186 | -189,721 |
| Hydrogen/Biofuels/Other Hydrocarbons | 312 | 2,374 | 1,943 | 113 | 31 | 4,773 | 567 | 1,805 | 9,283 |
| Hydrogen | 102 | 2,274 | 1,632 | 64 | 21 | 4,093 | 223 | 1,391 | 6,950 |
| Biofuels (Including Fuel Ethanol) | 210 | 100 | 311 | 49 | 10 | 680 | 344 | 414 | 2,320 |
| Fuel Ethanol | 197 | 50 | 192 | 42 | 5 | 486 | 288 | 125 | 1,572 |
| Biodiesel | 13 | 50 | 36 | 7 | 1 | 107 | 20 | 18 | 299 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 271 | 271 |
| Other Biofuels ¹ | — | — | 83 | — | 4 | 87 | 36 | — | 178 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 13 |
| Unfinished Oils (net) | -208 | -2,586 | 9,613 | 51 | 28 | 6,898 | -300 | 2,729 | 10,466 |
| Naphthas and Lighter | -119 | -6,362 | 1,061 | 14 | 26 | -5,380 | -37 | 0 | -4,357 |
| Kerosene and Light Gas Oils | 90 | -1,267 | 235 | 47 | -3 | -898 | -134 | -222 | -1,511 |
| Heavy Gas Oils | -156 | 2,401 | 7,737 | 94 | 5 | 10,081 | -93 | 3,084 | 13,334 |
| Residuum | -23 | 2,642 | 580 | -104 | — | 3,095 | -36 | -133 | 3,000 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,298 | -53,955 | -43,128 | -1,832 | -1,511 | -108,724 | -5,119 | -33,720 | -209,471 |
| Reformulated - RBOB | -717 | -16,114 | -7,584 | — | -602 | -25,017 | — | -24,013 | -62,632 |
| Conventional | -7,581 | -37,841 | -35,544 | -1,832 | -909 | -83,707 | -5,119 | -9,707 | -146,839 |
| CBOB | -7,525 | -29,944 | -32,981 | -1,821 | -892 | -73,163 | -5,040 | -10,535 | -135,745 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -56 | -7,897 | -2,563 | -11 | -17 | -10,544 | -79 | 828 | -11,094 |
| Aviation Gasoline Blend. Comp. (net) | 12 | — | -11 | — | — | 1 | — | — | 1 |
| Total Input to Refineries | 12,676 | 100,379 | 68,892 | 6,190 | 1,724 | 189,861 | 15,254 | 37,233 | 329,019 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 663 | 5,047 | 3,355 | 234 | 98 | 9,396 | 623 | 2,240 | 16,887 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,650 | 17,955 |
| Operable Utilization Rate (percent) ² | 88.8 | 96.6 | 102.0 | 89.9 | 89.2 | 97.6 | 94.0 | 84.5 | 94.1 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 148 | 811 | 607 | 38 | 23 | 1,627 | 100 | 374 | 2,963 |
| Catalytic Cracking | 178 | 1,388 | 896 | 19 | 23 | 2,503 | 173 | 601 | 4,621 |
| Catalytic Hydrocracking | 40 | 580 | 484 | 19 | 15 | 1,139 | 23 | 445 | 1,968 |
| Delayed and Fluid Coking | 29 | 789 | 530 | 27 | — | 1,375 | 56 | 402 | 2,345 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.63 | 1.44 | 1.30 | 1.26 | 0.83 | 1.31 | 1.29 | 1.32 | 1.31 |
| API Gravity, Weighted Average (degrees) | 39.76 | 33.64 | 31.58 | 32.25 | 38.59 | 33.49 | 32.68 | 29.16 | 33.00 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,650 | 17,955 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 654 | 2,644 | 17,902 |
| Idle | — | — | — | — | — | — | 10 | 6 | 54 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 16,065 | 16,065 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2022
(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 |
| Crude Oil | 22,347 | 2,784 | 25,131 | 76,304 | 14,681 | 28,455 | 119,440 |
| Hydrocarbon Gas Liquids | 116 | - | 116 | 1,817 | 60 | 1,014 | 2,891 |
| Natural Gas Liquids | 116 | - | 116 | 1,817 | 60 | 1,014 | 2,891 |
| Normal Butane | - | - | - | 29 | - | - | 29 |
| Isobutane | 116 | - | 116 | 1,304 | 60 | 565 | 1,929 |
| Natural Gasoline | - | - | - | 484 | - | 449 | 933 |
| Other Liquids | -9,179 | -51 | -9,230 | -33,368 | -4,739 | -11,608 | -49,715 |
| Hydrogen/Biofuels/Other Hydrocarbons | 155 | 126 | 281 | 924 | 494 | 437 | 1,855 |
| Hydrogen | 76 | - | 76 | 689 | 281 | 204 | 1,174 |
| Biofuels (Including Fuel Ethanol) | 79 | 126 | 205 | 233 | 213 | 233 | 679 |
| Fuel Ethanol | 79 | 94 | 173 | 190 | 151 | 147 | 488 |
| Biodiesel | - | 32 | 32 | 43 | 62 | 21 | 126 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 65 | 65 |
| Other Hydrocarbons | - | - | - | 2 | - | - | 2 |
| Unfinished Oils (net) | 283 | -176 | 107 | 591 | 20 | -111 | 500 |
| Naphthas and Lighter | 389 | -113 | 276 | 408 | 112 | -86 | 434 |
| Kerosene and Light Gas Oils | -19 | - | -19 | -790 | 7 | -47 | -830 |
| Heavy Gas Oils | -90 | -63 | -153 | 923 | -99 | 66 | 890 |
| Residuum | 3 | 0 | 3 | 50 | - | -44 | 6 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,617 | -1 | -9,618 | -34,883 | -5,253 | -11,934 | -52,070 |
| Reformulated - RBOB | -6,956 | - | -6,956 | -6,694 | - | - | -6,694 |
| Conventional | -2,661 | -1 | -2,662 | -28,189 | -5,253 | -11,934 | -45,376 |
| CBOB | -2,365 | -3 | -2,368 | -27,775 | -4,976 | -12,031 | -44,782 |
| GTAB | - | - | - | - | - | - | - |
| Other | -296 | 2 | -294 | -414 | -277 | 97 | -594 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 13,284 | 2,733 | 16,017 | 44,753 | 10,002 | 17,861 | 72,616 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 744 | 90 | 834 | 2,447 | 497 | 924 | 3,868 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 103.4 | 91.4 | 102.0 | 89.9 | 90.7 | 99.6 | 92.2 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 132 | 14 | 145 | 476 | 47 | 174 | 697 |
| Catalytic Cracking | 235 | 13 | 248 | 763 | 130 | 218 | 1,111 |
| Catalytic Hydrocracking | 47 | - | 47 | 206 | 66 | 53 | 324 |
| Delayed and Fluid Coking | 42 | - | 42 | 324 | 73 | 94 | 492 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.86 | 1.60 | 0.95 | 1.55 | 1.73 | 0.74 | 1.38 |
| API Gravity, Weighted Average (degrees) | 35.41 | 32.52 | 35.08 | 33.03 | 28.41 | 38.60 | 33.75 |
| Operable Capacity (daily average) | 720 | 98 | 818 | 2,721 | 548 | 928 | 4,197 |
| Operating | 720 | 98 | 818 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2022
(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 | | | |
| Crude Oil | 20,676 | 148,931 | 96,390 | 7,790 | 2,788 | 276,575 | 19,202 | 68,910 | 509,258 |
| Hydrocarbon Gas Liquids | 507 | 4,045 | 3,492 | 61 | 128 | 8,233 | 449 | 699 | 12,388 |
| Natural Gas Liquids | 507 | 4,045 | 3,492 | 61 | 128 | 8,233 | 449 | 699 | 12,388 |
| Normal Butane | 165 | 650 | 438 | — | — | 1,253 | 128 | 24 | 1,434 |
| Isobutane | 299 | 2,425 | 1,451 | 58 | 128 | 4,361 | 159 | 654 | 7,219 |
| Natural Gasoline | 43 | 970 | 1,603 | 3 | — | 2,619 | 162 | 21 | 3,735 |
| Other Liquids | -8,490 | -55,781 | -30,997 | -1,765 | -1,312 | -98,345 | -4,412 | -30,577 | -192,279 |
| Hydrogen/Biofuels/Other Hydrocarbons | 326 | 2,316 | 1,833 | 98 | 63 | 4,636 | 576 | 1,868 | 9,216 |
| Hydrogen | 106 | 2,292 | 1,473 | 61 | 52 | 3,984 | 207 | 1,440 | 6,881 |
| Biofuels (Including Fuel Ethanol) | 220 | 24 | 360 | 37 | 11 | 652 | 369 | 428 | 2,333 |
| Fuel Ethanol | 208 | 38 | 180 | 36 | 6 | 468 | 291 | 147 | 1,567 |
| Biodiesel | 12 | -14 | 54 | 1 | 3 | 56 | 38 | 15 | 267 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 265 | 265 |
| Other Biofuels ¹ | — | — | 126 | — | 2 | 128 | 40 | 1 | 234 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 2 |
| Unfinished Oils (net) | -201 | -4,868 | 8,091 | 23 | 0 | 3,045 | -5 | 1,460 | 5,107 |
| Naphthas and Lighter | -276 | -6,257 | 636 | 41 | -58 | -5,914 | 62 | -153 | -5,295 |
| Kerosene and Light Gas Oils | 44 | -1,121 | 267 | 30 | 20 | -760 | 47 | -504 | -2,066 |
| Heavy Gas Oils | -8 | -139 | 5,792 | 45 | 38 | 5,728 | 8 | 2,574 | 9,047 |
| Residuum | 39 | 2,649 | 1,396 | -93 | — | 3,991 | -122 | -457 | 3,421 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,622 | -53,229 | -40,936 | -1,886 | -1,375 | -106,048 | -4,983 | -33,905 | -206,624 |
| Reformulated - RBOB | -727 | -16,426 | -6,560 | — | -591 | -24,304 | — | -24,939 | -62,893 |
| Conventional | -7,895 | -36,803 | -34,376 | -1,886 | -784 | -81,744 | -4,983 | -8,966 | -143,731 |
| CBOB | -7,862 | -29,720 | -31,786 | -1,864 | -753 | -71,985 | -5,055 | -9,909 | -134,099 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -33 | -7,083 | -2,590 | -22 | -31 | -9,759 | 72 | 943 | -9,632 |
| Aviation Gasoline Blend. Comp. (net) | 7 | — | 15 | — | — | 22 | — | — | 22 |
| Total Input to Refineries | 12,693 | 97,195 | 68,885 | 6,086 | 1,604 | 186,463 | 15,239 | 39,032 | 329,367 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 672 | 4,974 | 3,288 | 230 | 90 | 9,254 | 616 | 2,331 | 16,903 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,650 | 17,955 |
| Operable Utilization Rate (percent) ² | 90.2 | 95.2 | 100.0 | 88.5 | 81.8 | 96.1 | 93.0 | 88.0 | 94.1 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 146 | 821 | 586 | 38 | 19 | 1,610 | 104 | 368 | 2,924 |
| Catalytic Cracking | 182 | 1,210 | 870 | 19 | 24 | 2,305 | 173 | 640 | 4,477 |
| Catalytic Hydrocracking | 41 | 571 | 440 | 16 | 14 | 1,083 | 16 | 420 | 1,891 |
| Delayed and Fluid Coking | 28 | 752 | 518 | 28 | — | 1,325 | 51 | 401 | 2,311 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.62 | 1.45 | 1.30 | 1.26 | 0.83 | 1.30 | 1.21 | 1.18 | 1.28 |
| API Gravity, Weighted Average (degrees) | 39.74 | 33.63 | 32.08 | 32.24 | 38.62 | 33.70 | 32.90 | 28.71 | 33.07 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,650 | 17,955 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 654 | 2,644 | 17,902 |
| Idle | — | — | — | — | — | — | 10 | 6 | 54 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 13,920 | 13,920 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2022
(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 |
| Crude Oil | 19,604 | 2,853 | 22,457 | 74,796 | 14,651 | 25,169 | 114,616 |
| Hydrocarbon Gas Liquids | 235 | - | 235 | 1,938 | 70 | 817 | 2,825 |
| Natural Gas Liquids | 235 | - | 235 | 1,938 | 70 | 817 | 2,825 |
| Normal Butane | 96 | - | 96 | 132 | - | 1 | 133 |
| Isobutane | 139 | - | 139 | 1,389 | 70 | 429 | 1,888 |
| Natural Gasoline | - | - | - | 417 | - | 387 | 804 |
| Other Liquids | -8,026 | 146 | -7,880 | -34,402 | -5,165 | -10,338 | -49,905 |
| Hydrogen/Biofuels/Other Hydrocarbons | 151 | 153 | 304 | 912 | 445 | 401 | 1,758 |
| Hydrogen | 79 | - | 79 | 668 | 223 | 177 | 1,068 |
| Biofuels (Including Fuel Ethanol) | 72 | 153 | 225 | 232 | 222 | 224 | 678 |
| Fuel Ethanol | 72 | 123 | 195 | 189 | 162 | 143 | 494 |
| Biodiesel | - | 30 | 30 | 43 | 60 | 14 | 117 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 67 | 67 |
| Other Hydrocarbons | - | - | - | 12 | - | - | 12 |
| Unfinished Oils (net) | 1,103 | -46 | 1,057 | -460 | 66 | -22 | -416 |
| Naphthas and Lighter | 478 | 14 | 492 | 73 | 119 | 50 | 242 |
| Kerosene and Light Gas Oils | 93 | - | 93 | -409 | -3 | -96 | -508 |
| Heavy Gas Oils | 681 | -58 | 623 | -1 | -50 | -108 | -159 |
| Residuum | -149 | -2 | -151 | -123 | - | 132 | 9 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,280 | 39 | -9,241 | -34,854 | -5,676 | -10,717 | -51,247 |
| Reformulated - RBOB | -6,659 | - | -6,659 | -6,647 | - | - | -6,647 |
| Conventional | -2,621 | 39 | -2,582 | -28,207 | -5,676 | -10,717 | -44,600 |
| CBOB | -2,230 | 32 | -2,198 | -28,180 | -5,975 | -10,696 | -44,851 |
| GTAB | - | - | - | - | - | - | - |
| Other | -391 | 7 | -384 | -27 | 299 | -21 | 251 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 11,813 | 2,999 | 14,812 | 42,332 | 9,556 | 15,648 | 67,536 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 674 | 95 | 769 | 2,477 | 512 | 846 | 3,835 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 86.5 | 96.9 | 87.6 | 91.0 | 93.4 | 91.2 | 91.4 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 122 | 16 | 138 | 448 | 57 | 163 | 669 |
| Catalytic Cracking | 236 | 16 | 252 | 737 | 131 | 205 | 1,073 |
| Catalytic Hydrocracking | 43 | - | 43 | 183 | 67 | 41 | 291 |
| Delayed and Fluid Coking | 37 | - | 37 | 323 | 60 | 93 | 476 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.97 | 1.62 | 1.05 | 1.61 | 1.64 | 0.66 | 1.41 |
| API Gravity, Weighted Average (degrees) | 34.84 | 32.36 | 34.52 | 33.16 | 29.67 | 38.98 | 33.94 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operating | 780 | 98 | 878 | 2,721 | 510 | 928 | 4,159 |
| Idle | - | - | - | - | 38 | - | 38 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, September 2022
(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 | | | |
| Crude Oil | 21,297 | 143,751 | 88,738 | 7,842 | 2,621 | 264,249 | 18,268 | 64,646 | 484,236 |
| Hydrocarbon Gas Liquids | 582 | 4,513 | 3,808 | 65 | 110 | 9,078 | 457 | 545 | 13,140 |
| Natural Gas Liquids | 582 | 4,513 | 3,808 | 65 | 110 | 9,078 | 457 | 545 | 13,140 |
| Normal Butane | 266 | 1,250 | 1,138 | 5 | - | 2,659 | 134 | 39 | 3,061 |
| Isobutane | 290 | 2,513 | 1,470 | 58 | 110 | 4,441 | 158 | 486 | 7,112 |
| Natural Gasoline | 26 | 750 | 1,200 | 2 | - | 1,978 | 165 | 20 | 2,967 |
| Other Liquids | -8,933 | -53,074 | -29,031 | -1,962 | -1,295 | -94,295 | -4,331 | -28,860 | -185,271 |
| Hydrogen/Biofuels/Other Hydrocarbons | 326 | 2,317 | 1,810 | 99 | 66 | 4,618 | 532 | 1,803 | 9,015 |
| Hydrogen | 109 | 2,236 | 1,542 | 60 | 48 | 3,995 | 194 | 1,334 | 6,670 |
| Biofuels (Including Fuel Ethanol) | 217 | 81 | 268 | 39 | 18 | 623 | 338 | 469 | 2,333 |
| Fuel Ethanol | 199 | 43 | 194 | 38 | 6 | 480 | 270 | 132 | 1,571 |
| Biodiesel | 18 | 38 | 45 | 1 | 8 | 110 | 20 | 14 | 291 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - | 319 | 319 |
| Other Biofuels ¹ | - | - | 29 | - | 4 | 33 | 48 | 4 | 152 |
| Other Hydrocarbons | - | - | - | - | - | - | - | - | 12 |
| Unfinished Oils (net) | -100 | -3,213 | 8,695 | -139 | -81 | 5,162 | -285 | 1,152 | 6,670 |
| Naphthas and Lighter | 20 | -5,771 | 396 | -39 | 9 | -5,385 | -77 | -434 | -5,162 |
| Kerosene and Light Gas Oils | -113 | -2,216 | -152 | -18 | -25 | -2,524 | 18 | 372 | -2,549 |
| Heavy Gas Oils | 11 | 1,958 | 7,767 | 38 | -65 | 9,709 | -198 | 1,200 | 11,175 |
| Residuum | -18 | 2,816 | 684 | -120 | - | 3,362 | -28 | 14 | 3,206 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,171 | -52,178 | -39,541 | -1,922 | -1,280 | -104,092 | -4,578 | -31,815 | -200,973 |
| Reformulated - RBOB | -775 | -14,086 | -1,185 | - | -591 | -16,637 | - | -23,672 | -53,615 |
| Conventional | -8,396 | -38,092 | -38,356 | -1,922 | -689 | -87,455 | -4,578 | -8,143 | -147,358 |
| CBOB | -8,314 | -29,269 | -34,893 | -1,902 | -693 | -75,071 | -4,710 | -8,957 | -135,787 |
| GTAB | - | - | - | - | - | - | - | - | - |
| Other | -82 | -8,823 | -3,463 | -20 | 4 | -12,384 | 132 | 814 | -11,571 |
| Aviation Gasoline Blend. Comp. (net) | 12 | - | 5 | - | - | 17 | - | - | 17 |
| Total Input to Refineries | 12,946 | 95,190 | 63,515 | 5,945 | 1,436 | 179,032 | 14,394 | 36,331 | 312,105 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 717 | 4,965 | 3,164 | 232 | 87 | 9,165 | 601 | 2,291 | 16,661 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,651 | 18,017 |
| Operable Utilization Rate (percent) ² | 96.2 | 95.1 | 96.2 | 89.1 | 79.4 | 95.2 | 90.6 | 86.4 | 92.5 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 158 | 778 | 520 | 40 | 20 | 1,516 | 97 | 373 | 2,793 |
| Catalytic Cracking | 176 | 1,326 | 866 | 18 | 22 | 2,408 | 165 | 584 | 4,481 |
| Catalytic Hydrocracking | 51 | 547 | 457 | 19 | 8 | 1,083 | 15 | 423 | 1,856 |
| Delayed and Fluid Coking | 30 | 772 | 483 | 35 | - | 1,321 | 47 | 389 | 2,270 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.61 | 1.47 | 1.32 | 1.55 | 0.83 | 1.33 | 1.23 | 1.24 | 1.32 |
| API Gravity, Weighted Average (degrees) | 39.87 | 33.58 | 31.89 | 31.25 | 38.72 | 33.65 | 32.56 | 28.94 | 33.09 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,651 | 18,017 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 654 | 2,645 | 17,963 |
| Idle | - | - | - | - | - | - | 10 | 6 | 54 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - | 14,126 | 14,126 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022
(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 |
| Crude Oil | 21,035 | 3,108 | 24,143 | 73,650 | 16,427 | 28,279 | 118,356 |
| Hydrocarbon Gas Liquids | 446 | - | 446 | 1,954 | 86 | 871 | 2,911 |
| Natural Gas Liquids | 446 | - | 446 | 1,954 | 86 | 871 | 2,911 |
| Normal Butane | 295 | - | 295 | 481 | - | 9 | 490 |
| Isobutane | 151 | - | 151 | 1,467 | 86 | 504 | 2,057 |
| Natural Gasoline | - | - | - | 6 | - | 358 | 364 |
| Other Liquids | -9,298 | 89 | -9,209 | -35,245 | -6,295 | -12,248 | -53,788 |
| Hydrogen/Biofuels/Other Hydrocarbons | 148 | 161 | 309 | 843 | 493 | 430 | 1,766 |
| Hydrogen | 78 | - | 78 | 604 | 296 | 189 | 1,089 |
| Biofuels (Including Fuel Ethanol) | 70 | 161 | 231 | 215 | 197 | 241 | 653 |
| Fuel Ethanol | 70 | 132 | 202 | 172 | 177 | 158 | 507 |
| Biodiesel | - | 29 | 29 | 43 | 20 | 20 | 83 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 63 | 63 |
| Other Hydrocarbons | - | - | - | 24 | - | - | 24 |
| Unfinished Oils (net) | 1,065 | -100 | 965 | -2,034 | 20 | -637 | -2,651 |
| Naphthas and Lighter | -250 | -47 | -297 | -146 | 26 | -145 | -265 |
| Kerosene and Light Gas Oils | -85 | - | -85 | -406 | 35 | -90 | -461 |
| Heavy Gas Oils | 804 | -47 | 757 | -976 | -41 | -160 | -1,177 |
| Residuum | 596 | -6 | 590 | -506 | - | -242 | -748 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -10,511 | 28 | -10,483 | -34,054 | -6,808 | -12,041 | -52,903 |
| Reformulated - RBOB | -6,773 | - | -6,773 | -6,274 | - | - | -6,274 |
| Conventional | -3,738 | 28 | -3,710 | -27,780 | -6,808 | -12,041 | -46,629 |
| CBOB | -3,433 | -4 | -3,437 | -26,844 | -6,754 | -11,739 | -45,337 |
| GTAB | - | - | - | - | - | - | - |
| Other | -305 | 32 | -273 | -936 | -54 | -302 | -1,292 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 12,183 | 3,197 | 15,380 | 40,359 | 10,218 | 16,902 | 67,479 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 696 | 100 | 797 | 2,363 | 549 | 911 | 3,823 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 89.4 | 102.2 | 90.8 | 86.9 | 100.1 | 98.2 | 91.1 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 116 | 15 | 132 | 407 | 55 | 169 | 631 |
| Catalytic Cracking | 250 | 16 | 267 | 672 | 142 | 218 | 1,032 |
| Catalytic Hydrocracking | 38 | - | 38 | 132 | 66 | 45 | 243 |
| Delayed and Fluid Coking | 39 | - | 39 | 290 | 79 | 87 | 455 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 1.00 | 1.81 | 1.10 | 1.63 | 1.73 | 0.59 | 1.40 |
| API Gravity, Weighted Average (degrees) | 35.99 | 31.28 | 35.40 | 32.87 | 28.59 | 39.47 | 33.77 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operating | 780 | 98 | 878 | 2,570 | 510 | 928 | 4,008 |
| Idle | - | - | - | 151 | 38 | - | 189 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, October 2022
(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 | | | |
| Crude Oil | 20,138 | 141,640 | 88,985 | 8,200 | 2,824 | 261,787 | 18,683 | 66,081 | 489,050 |
| Hydrocarbon Gas Liquids | 651 | 5,289 | 3,126 | 79 | 106 | 9,251 | 547 | 928 | 14,083 |
| Natural Gas Liquids | 651 | 5,289 | 3,126 | 79 | 106 | 9,251 | 547 | 928 | 14,083 |
| Normal Butane | 296 | 1,698 | 1,235 | 14 | - | 3,243 | 210 | 548 | 4,786 |
| Isobutane | 327 | 2,570 | 1,212 | 62 | 106 | 4,277 | 154 | 357 | 6,996 |
| Natural Gasoline | 28 | 1,021 | 679 | 3 | - | 1,731 | 183 | 23 | 2,301 |
| Other Liquids | -8,584 | -56,095 | -28,536 | -2,184 | -1,420 | -96,819 | -4,856 | -30,619 | -195,291 |
| Hydrogen/Biofuels/Other Hydrocarbons | 325 | 2,309 | 1,822 | 116 | 40 | 4,612 | 476 | 1,908 | 9,071 |
| Hydrogen | 96 | 2,232 | 1,553 | 64 | 23 | 3,968 | 172 | 1,440 | 6,747 |
| Biofuels (Including Fuel Ethanol) | 229 | 77 | 269 | 52 | 17 | 644 | 304 | 468 | 2,300 |
| Fuel Ethanol | 200 | 44 | 192 | 51 | 5 | 492 | 280 | 131 | 1,612 |
| Biodiesel | 29 | 33 | 40 | 1 | 5 | 108 | 18 | 14 | 252 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - | 321 | 321 |
| Other Biofuels ¹ | - | - | 37 | - | 7 | 44 | 6 | 2 | 115 |
| Other Hydrocarbons | - | - | - | - | - | - | - | - | 24 |
| Unfinished Oils (net) | 457 | -4,315 | 7,609 | -86 | -91 | 3,574 | -67 | 2,818 | 4,639 |
| Naphthas and Lighter | 228 | -5,600 | 839 | 4 | -19 | -4,548 | -50 | 80 | -5,080 |
| Kerosene and Light Gas Oils | 187 | -1,886 | 37 | -89 | -5 | -1,756 | 8 | -138 | -2,432 |
| Heavy Gas Oils | -83 | 1,129 | 5,528 | 70 | -67 | 6,577 | 105 | 2,343 | 8,605 |
| Residuum | 125 | 2,042 | 1,205 | -71 | - | 3,301 | -130 | 533 | 3,546 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,385 | -54,089 | -37,968 | -2,214 | -1,369 | -105,025 | -5,265 | -35,345 | -209,021 |
| Reformulated - RBOB | -997 | -14,251 | -1,827 | - | -576 | -17,651 | - | -26,352 | -57,050 |
| Conventional | -8,388 | -39,838 | -36,141 | -2,214 | -793 | -87,374 | -5,265 | -8,993 | -151,971 |
| CBOB | -8,524 | -29,912 | -33,194 | -2,196 | -802 | -74,628 | -5,226 | -9,046 | -137,674 |
| GTAB | - | - | - | - | - | - | - | - | - |
| Other | 136 | -9,926 | -2,947 | -18 | 9 | -12,746 | -39 | 53 | -14,297 |
| Aviation Gasoline Blend. Comp. (net) | 19 | - | 1 | - | - | 20 | - | - | 20 |
| Total Input to Refineries | 12,205 | 90,834 | 63,575 | 6,095 | 1,510 | 174,219 | 14,374 | 36,390 | 307,842 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 656 | 4,713 | 3,098 | 236 | 91 | 8,794 | 598 | 2,255 | 16,266 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,651 | 18,017 |
| Operable Utilization Rate (percent) ² | 88.0 | 90.2 | 94.2 | 90.7 | 82.8 | 91.3 | 90.1 | 85.1 | 90.3 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 154 | 735 | 538 | 41 | 20 | 1,488 | 101 | 367 | 2,718 |
| Catalytic Cracking | 160 | 1,254 | 703 | 20 | 22 | 2,159 | 169 | 584 | 4,212 |
| Catalytic Hydrocracking | 52 | 526 | 454 | 20 | 11 | 1,063 | 17 | 460 | 1,821 |
| Delayed and Fluid Coking | 25 | 762 | 455 | 33 | - | 1,276 | 52 | 393 | 2,214 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.52 | 1.45 | 1.12 | 1.43 | 0.83 | 1.24 | 1.30 | 1.25 | 1.27 |
| API Gravity, Weighted Average (degrees) | 40.52 | 33.95 | 32.27 | 32.27 | 39.24 | 34.08 | 33.01 | 28.59 | 33.25 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 663 | 2,651 | 18,017 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 654 | 2,645 | 17,812 |
| Idle | - | - | - | - | - | - | 10 | 6 | 204 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - | 15,046 | 15,046 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2022
(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 |
| Crude Oil | 21,660 | 2,963 | 24,623 | 73,606 | 15,462 | 26,788 | 115,856 |
| Hydrocarbon Gas Liquids | 347 | - | 347 | 2,516 | 79 | 885 | 3,480 |
| Natural Gas Liquids | 347 | - | 347 | 2,516 | 79 | 885 | 3,480 |
| Normal Butane | 208 | - | 208 | 729 | - | 46 | 775 |
| Isobutane | 139 | - | 139 | 1,415 | 79 | 545 | 2,039 |
| Natural Gasoline | - | - | - | 372 | - | 294 | 666 |
| Other Liquids | -9,729 | 30 | -9,699 | -35,497 | -6,011 | -11,315 | -52,823 |
| Hydrogen/Biofuels/Other Hydrocarbons | 151 | 153 | 304 | 866 | 476 | 353 | 1,695 |
| Hydrogen | 89 | - | 89 | 637 | 294 | 167 | 1,098 |
| Biofuels (Including Fuel Ethanol) | 62 | 153 | 215 | 225 | 182 | 186 | 593 |
| Fuel Ethanol | 62 | 126 | 188 | 185 | 162 | 155 | 502 |
| Biodiesel | - | 27 | 27 | 40 | 20 | 24 | 84 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 7 | 7 |
| Other Hydrocarbons | - | - | - | 4 | - | - | 4 |
| Unfinished Oils (net) | 889 | -125 | 764 | -339 | 83 | 118 | -138 |
| Naphthas and Lighter | 133 | -58 | 75 | 214 | 13 | 187 | 414 |
| Kerosene and Light Gas Oils | 236 | - | 236 | -131 | -3 | 33 | -101 |
| Heavy Gas Oils | 186 | -65 | 121 | -341 | 73 | -170 | -438 |
| Residuum | 334 | -2 | 332 | -81 | - | 68 | -13 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -10,769 | 2 | -10,767 | -36,024 | -6,570 | -11,786 | -54,380 |
| Reformulated - RBOB | -7,785 | - | -7,785 | -6,435 | - | - | -6,435 |
| Conventional | -2,984 | 2 | -2,982 | -29,589 | -6,570 | -11,786 | -47,945 |
| CBOB | -2,689 | 6 | -2,683 | -29,275 | -6,491 | -11,788 | -47,554 |
| GTAB | - | - | - | - | - | - | - |
| Other | -295 | -4 | -299 | -314 | -79 | 2 | -391 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 12,278 | 2,993 | 15,271 | 40,625 | 9,530 | 16,358 | 66,513 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 748 | 99 | 847 | 2,443 | 530 | 892 | 3,865 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 96.0 | 100.8 | 96.5 | 89.8 | 96.7 | 96.1 | 92.1 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 121 | 15 | 136 | 449 | 61 | 166 | 676 |
| Catalytic Cracking | 239 | 15 | 254 | 669 | 133 | 220 | 1,021 |
| Catalytic Hydrocracking | 43 | - | 43 | 170 | 62 | 33 | 265 |
| Delayed and Fluid Coking | 36 | - | 36 | 303 | 71 | 87 | 461 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.79 | 1.78 | 0.91 | 1.62 | 1.87 | 0.58 | 1.41 |
| API Gravity, Weighted Average (degrees) | 36.06 | 31.77 | 35.49 | 33.15 | 27.54 | 39.74 | 33.84 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operating | 780 | 98 | 878 | 2,570 | 510 | 928 | 4,008 |
| Idle | - | - | - | 151 | 38 | - | 189 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, November 2022
(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 | | | |
| Crude Oil | 20,274 | 143,043 | 93,275 | 7,642 | 2,368 | 266,602 | 17,432 | 69,001 | 493,514 |
| Hydrocarbon Gas Liquids | 721 | 5,936 | 3,641 | 71 | 114 | 10,483 | 536 | 1,257 | 16,103 |
| Natural Gas Liquids | 721 | 5,936 | 3,641 | 71 | 114 | 10,483 | 536 | 1,257 | 16,103 |
| Normal Butane | 340 | 2,599 | 1,548 | 40 | — | 4,527 | 258 | 658 | 6,426 |
| Isobutane | 344 | 2,392 | 1,347 | 28 | 114 | 4,225 | 131 | 582 | 7,116 |
| Natural Gasoline | 37 | 945 | 746 | 3 | — | 1,731 | 147 | 17 | 2,561 |
| Other Liquids | -9,450 | -53,520 | -32,427 | -2,000 | -1,008 | -98,405 | -4,541 | -33,280 | -198,748 |
| Hydrogen/Biofuels/Other Hydrocarbons | 309 | 2,315 | 1,786 | 111 | 67 | 4,588 | 480 | 1,941 | 9,008 |
| Hydrogen | 116 | 2,284 | 1,521 | 66 | 56 | 4,043 | 155 | 1,426 | 6,811 |
| Biofuels (Including Fuel Ethanol) | 193 | 31 | 265 | 45 | 11 | 545 | 325 | 515 | 2,193 |
| Fuel Ethanol | 173 | 41 | 180 | 44 | 6 | 444 | 273 | 131 | 1,538 |
| Biodiesel | 20 | -10 | 52 | 1 | 5 | 68 | 20 | 14 | 213 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 362 | 362 |
| Other Biofuels ¹ | — | — | 33 | — | — | 33 | 32 | 8 | 80 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 4 |
| Unfinished Oils (net) | -155 | -528 | 5,799 | -132 | -24 | 4,960 | -111 | 533 | 6,008 |
| Naphthas and Lighter | 151 | -5,158 | 832 | -71 | 12 | -4,234 | 10 | -356 | -4,091 |
| Kerosene and Light Gas Oils | 15 | -287 | -455 | -27 | -29 | -783 | -42 | -536 | -1,226 |
| Heavy Gas Oils | -205 | 2,883 | 4,097 | 46 | -7 | 6,814 | 103 | 1,865 | 8,465 |
| Residuum | -116 | 2,034 | 1,325 | -80 | — | 3,163 | -182 | -440 | 2,860 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -9,605 | -55,307 | -40,020 | -1,979 | -1,051 | -107,962 | -4,910 | -35,754 | -213,773 |
| Reformulated - RBOB | -980 | -14,834 | -1,282 | — | -515 | -17,611 | — | -25,703 | -57,534 |
| Conventional | -8,625 | -40,473 | -38,738 | -1,979 | -536 | -90,351 | -4,910 | -10,051 | -156,239 |
| CBOB | -8,511 | -30,001 | -35,252 | -1,977 | -527 | -76,268 | -4,954 | -8,747 | -140,206 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -114 | -10,472 | -3,486 | -2 | -9 | -14,083 | 44 | -1,304 | -16,033 |
| Aviation Gasoline Blend. Comp. (net) | 1 | — | 8 | — | — | 9 | — | — | 9 |
| Total Input to Refineries | 11,545 | 95,459 | 64,489 | 5,713 | 1,474 | 178,680 | 13,427 | 36,978 | 310,869 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 680 | 4,913 | 3,338 | 225 | 79 | 9,236 | 574 | 2,418 | 16,940 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 650 | 2,651 | 18,004 |
| Operable Utilization Rate (percent) ² | 91.1 | 94.1 | 101.5 | 86.7 | 71.8 | 95.9 | 88.3 | 91.2 | 94.1 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 149 | 803 | 575 | 40 | 17 | 1,584 | 92 | 350 | 2,838 |
| Catalytic Cracking | 157 | 1,330 | 719 | 15 | 26 | 2,246 | 164 | 614 | 4,299 |
| Catalytic Hydrocracking | 49 | 571 | 434 | 20 | 13 | 1,087 | 13 | 466 | 1,873 |
| Delayed and Fluid Coking | 31 | 789 | 516 | 32 | — | 1,368 | 35 | 402 | 2,303 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.57 | 1.40 | 1.34 | 1.32 | 0.83 | 1.29 | 1.33 | 1.37 | 1.31 |
| API Gravity, Weighted Average (degrees) | 40.10 | 34.13 | 31.92 | 31.40 | 39.30 | 33.95 | 33.38 | 29.04 | 33.30 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 650 | 2,651 | 18,004 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 641 | 2,645 | 17,799 |
| Idle | — | — | — | — | — | — | 10 | 6 | 204 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 12,950 | 12,950 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2022
(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 |
| Crude Oil | 20,708 | 2,785 | 23,493 | 71,904 | 15,045 | 27,366 | 114,315 |
| Hydrocarbon Gas Liquids | 378 | - | 378 | 2,868 | 42 | 659 | 3,569 |
| Natural Gas Liquids | 378 | - | 378 | 2,868 | 42 | 659 | 3,569 |
| Normal Butane | 257 | - | 257 | 949 | - | 62 | 1,011 |
| Isobutane | 121 | - | 121 | 1,436 | 42 | 517 | 1,995 |
| Natural Gasoline | - | - | - | 483 | - | 80 | 563 |
| Other Liquids | -9,044 | -14 | -9,058 | -37,683 | -5,519 | -11,802 | -55,004 |
| Hydrogen/Biofuels/Other Hydrocarbons | 154 | 128 | 282 | 931 | 471 | 472 | 1,874 |
| Hydrogen | 88 | - | 88 | 696 | 301 | 219 | 1,216 |
| Biofuels (Including Fuel Ethanol) | 66 | 128 | 194 | 221 | 170 | 253 | 644 |
| Fuel Ethanol | 66 | 109 | 175 | 187 | 157 | 154 | 498 |
| Biodiesel | - | 19 | 19 | 34 | 13 | 23 | 70 |
| Renewable Diesel Fuel | - | - | - | - | - | - | - |
| Other Biofuels ¹ | - | - | - | - | - | 76 | 76 |
| Other Hydrocarbons | - | - | - | 14 | - | - | 14 |
| Unfinished Oils (net) | 1,327 | -126 | 1,201 | -1,982 | 82 | 275 | -1,625 |
| Naphthas and Lighter | -40 | -88 | -128 | 266 | -18 | 316 | 564 |
| Kerosene and Light Gas Oils | 69 | - | 69 | -702 | -20 | 19 | -703 |
| Heavy Gas Oils | 449 | -34 | 415 | -1,175 | 120 | -73 | -1,128 |
| Residuum | 849 | -4 | 845 | -371 | - | 13 | -358 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -10,525 | -16 | -10,541 | -36,632 | -6,072 | -12,549 | -55,253 |
| Reformulated - RBOB | -6,869 | - | -6,869 | -7,004 | - | - | -7,004 |
| Conventional | -3,656 | -16 | -3,672 | -29,628 | -6,072 | -12,549 | -48,249 |
| CBOB | -2,871 | -16 | -2,887 | -29,342 | -5,928 | -12,680 | -47,950 |
| GTAB | - | - | - | - | - | - | - |
| Other | -785 | 0 | -785 | -286 | -144 | 131 | -299 |
| Aviation Gasoline Blend. Comp. (net) | - | - | - | - | - | - | - |
| Total Input to Refineries | 12,042 | 2,771 | 14,813 | 37,089 | 9,568 | 16,223 | 62,880 |
| Atmospheric Crude Oil Distillation | | | | | | | |
| Gross Input (daily average) | 713 | 89 | 803 | 2,303 | 501 | 882 | 3,685 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operable Utilization Rate (percent) ² | 91.5 | 91.0 | 91.4 | 84.6 | 91.4 | 95.0 | 87.8 |
| Downstream Processing | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | |
| Catalytic Reforming | 116 | 12 | 129 | 422 | 66 | 172 | 660 |
| Catalytic Cracking | 232 | 15 | 246 | 643 | 122 | 210 | 975 |
| Catalytic Hydrocracking | 41 | - | 41 | 159 | 59 | 51 | 268 |
| Delayed and Fluid Coking | 33 | - | 33 | 301 | 69 | 89 | 459 |
| Crude Oil Qualities | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.83 | 1.84 | 0.95 | 1.62 | 1.94 | 0.62 | 1.42 |
| API Gravity, Weighted Average (degrees) | 36.35 | 31.43 | 35.75 | 33.16 | 26.63 | 39.94 | 33.81 |
| Operable Capacity (daily average) | 780 | 98 | 878 | 2,721 | 548 | 928 | 4,197 |
| Operating | 780 | 98 | 878 | 2,570 | 510 | 928 | 4,008 |
| Idle | - | - | - | 151 | 38 | - | 189 |
| Alaskan Crude Oil Receipts | - | - | - | - | - | - | - |

See footnotes at end of table.

Table 18. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, December 2022
(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 | | | |
| Crude Oil | 19,142 | 130,360 | 93,257 | 6,706 | 2,561 | 252,026 | 17,289 | 69,562 | 476,685 |
| Hydrocarbon Gas Liquids | 786 | 5,659 | 3,972 | 67 | 111 | 10,595 | 535 | 1,307 | 16,384 |
| Natural Gas Liquids | 786 | 5,659 | 3,972 | 67 | 111 | 10,595 | 535 | 1,307 | 16,384 |
| Normal Butane | 484 | 2,556 | 1,718 | 35 | — | 4,793 | 263 | 855 | 7,179 |
| Isobutane | 272 | 2,328 | 1,307 | 29 | 111 | 4,047 | 155 | 431 | 6,749 |
| Natural Gasoline | 30 | 775 | 947 | 3 | — | 1,755 | 117 | 21 | 2,456 |
| Other Liquids | -9,010 | -50,801 | -31,027 | -1,519 | -1,245 | -93,602 | -4,871 | -32,329 | -194,864 |
| Hydrogen/Biofuels/Other Hydrocarbons | 300 | 2,164 | 1,884 | 103 | 64 | 4,515 | 453 | 1,816 | 8,940 |
| Hydrogen | 101 | 2,012 | 1,559 | 62 | 54 | 3,788 | 154 | 1,368 | 6,614 |
| Biofuels (Including Fuel Ethanol) | 199 | 152 | 325 | 41 | 10 | 727 | 299 | 448 | 2,312 |
| Fuel Ethanol | 185 | 43 | 187 | 40 | 6 | 461 | 251 | 131 | 1,516 |
| Biodiesel | 14 | 19 | 43 | 1 | 4 | 81 | 13 | 10 | 193 |
| Renewable Diesel Fuel | — | — | — | — | — | — | — | 295 | 295 |
| Other Biofuels ¹ | — | 90 | 95 | — | — | 185 | 35 | 12 | 308 |
| Other Hydrocarbons | — | — | — | — | — | — | — | — | 14 |
| Unfinished Oils (net) | -633 | -2,256 | 6,712 | -1 | -238 | 3,584 | -278 | 420 | 3,302 |
| Naphthas and Lighter | -211 | -4,795 | 673 | -6 | -24 | -4,363 | -42 | 367 | -3,602 |
| Kerosene and Light Gas Oils | -177 | -274 | 182 | 28 | -219 | -460 | -183 | -467 | -1,744 |
| Heavy Gas Oils | -132 | 752 | 4,590 | 47 | 5 | 5,262 | -5 | 492 | 5,036 |
| Residuum | -113 | 2,061 | 1,267 | -70 | — | 3,145 | -48 | 28 | 3,612 |
| Motor Gasoline Blend.Comp. (MGBC)(net) | -8,686 | -50,709 | -39,628 | -1,621 | -1,071 | -101,715 | -5,046 | -34,565 | -207,120 |
| Reformulated - RBOB | -954 | -11,651 | -1,151 | — | -570 | -14,326 | — | -25,748 | -53,947 |
| Conventional | -7,732 | -39,058 | -38,477 | -1,621 | -501 | -87,389 | -5,046 | -8,817 | -153,173 |
| CBOB | -7,707 | -30,135 | -34,684 | -1,615 | -555 | -74,696 | -5,045 | -9,344 | -139,922 |
| GTAB | — | — | — | — | — | — | — | — | — |
| Other | -25 | -8,923 | -3,793 | -6 | 54 | -12,693 | -1 | 527 | -13,251 |
| Aviation Gasoline Blend. Comp. (net) | 9 | — | 5 | — | — | 14 | — | — | 14 |
| Total Input to Refineries | 10,918 | 85,218 | 66,202 | 5,254 | 1,427 | 169,019 | 12,953 | 38,540 | 298,205 |
| Atmospheric Crude Oil Distillation | | | | | | | | | |
| Gross Input (daily average) | 626 | 4,357 | 3,179 | 191 | 83 | 8,435 | 549 | 2,371 | 15,843 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 650 | 2,651 | 18,004 |
| Operable Utilization Rate (percent) ² | 83.9 | 83.4 | 96.7 | 73.6 | 75.1 | 87.6 | 84.5 | 89.4 | 88.0 |
| Downstream Processing | | | | | | | | | |
| Fresh Feed Input (daily average) | | | | | | | | | |
| Catalytic Reforming | 131 | 692 | 554 | 31 | 15 | 1,424 | 90 | 373 | 2,675 |
| Catalytic Cracking | 150 | 1,173 | 751 | 15 | 24 | 2,113 | 156 | 589 | 4,079 |
| Catalytic Hydrocracking | 46 | 478 | 433 | 19 | 8 | 983 | 16 | 434 | 1,743 |
| Delayed and Fluid Coking | 17 | 669 | 499 | 29 | — | 1,215 | 50 | 409 | 2,166 |
| Crude Oil Qualities | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 0.52 | 1.41 | 0.98 | 1.35 | 1.00 | 1.16 | 1.31 | 1.39 | 1.25 |
| API Gravity, Weighted Average (degrees) | 40.12 | 34.01 | 32.56 | 32.38 | 38.73 | 34.12 | 33.40 | 28.50 | 33.27 |
| Operable Capacity (daily average) | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 650 | 2,651 | 18,004 |
| Operating | 746 | 5,224 | 3,288 | 260 | 110 | 9,628 | 641 | 2,645 | 17,799 |
| Idle | — | — | — | — | — | — | 10 | 6 | 204 |
| Alaskan Crude Oil Receipts | — | — | — | — | — | — | — | 15,306 | 15,306 |

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Other Biofuels includes renewable heating oil, renewable jet fuel, renewable naphtha and gasoline, and other biofuels and biointermediates.

² 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."