



CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|---------------------------------|---------------------------|---------------------------|----------|---------------------------|----------|
| Interest Rate Futures | | | | | |
| 10-YR Eris LIBOR | 0 | 67,740 | -100.0% | 0 | - |
| 10-YR Eris SOFR | 77,268 | 1,175 | 6,476.0% | 76,943 | 0.4% |
| 10-YR MAC LIBOR | 0 | 14,074 | -100.0% | 0 | - |
| 10-YR MAC SOFR | 0 | 0 | - | 0 | - |
| 10-YR NOTE | 4,817,315 | 3,539,224 | 36.1% | 4,724,880 | 2.0% |
| 10Y YIELD | 6,337 | 3,266 | 94.0% | 5,698 | 11.2% |
| 15-YR Eris LIBOR | 0 | 0 | - | 0 | - |
| 1-MONTH EURODOLLAR | 0 | 43,471 | -100.0% | 0 | - |
| 1-YR Eris BSBY | 0 | 300 | -100.0% | 0 | - |
| 1-YR Eris SOFR | 7,599 | 8,627 | -11.9% | 7,598 | 0.0% |
| 20-YR BOND | 105 | 840 | -87.5% | 89 | 18.0% |
| 20-YR Eris LIBOR | 0 | 0 | - | 0 | - |
| 2-YR Eris LIBOR | 0 | 103,781 | -100.0% | 0 | - |
| 2-YR Eris SOFR | 22,534 | 3,949 | 470.6% | 22,227 | 1.4% |
| 2-YR NOTE | 3,632,221 | 1,992,292 | 82.3% | 3,664,567 | -0.9% |
| 2Y YIELD | 805 | 616 | 30.7% | 926 | -13.1% |
| 30-Year UMBS TBA Futures - 2.5% | 30 | 0 | - | 0 | - |
| 30-Year UMBS TBA Futures - 3.0% | 157 | 0 | - | 30 | 423.3% |
| 30-Year UMBS TBA Futures - 3.5% | 137 | 0 | - | 30 | 356.7% |
| 30-Year UMBS TBA Futures - 4.0% | 114 | 0 | - | 7 | 1,528.6% |
| 30-Year UMBS TBA Futures - 4.5% | 129 | 0 | - | 75 | 72.0% |
| 30-Year UMBS TBA Futures - 5.0% | 293 | 0 | - | 182 | 61.0% |
| 30-Year UMBS TBA Futures - 5.5% | 313 | 0 | - | 30 | 943.3% |
| 30-Year UMBS TBA Futures - 6.0% | 450 | 0 | - | 120 | 275.0% |
| 30-YR BOND | 1,274,967 | 1,184,018 | 7.7% | 1,244,847 | 2.4% |
| 30-YR Eris LIBOR | 0 | 2,273 | -100.0% | 0 | - |
| 30-YR MAC LIBOR | 0 | 0 | - | 0 | - |
| 30-YR SWAP RATE | 2,273 | 0 | - | 2,273 | 0.0% |
| 30Y YIELD | 119 | 3,045 | -96.1% | 91 | 30.8% |
| 3-YR Eris BSBY | 0 | 0 | - | 0 | - |
| 3-YR Eris LIBOR | 0 | 30,532 | -100.0% | 0 | - |
| 3-YR Eris SOFR | 18,169 | 6,733 | 169.8% | 17,538 | 3.6% |
| 3-YR NOTE | 10,880 | 7,389 | 47.2% | 10,338 | 5.2% |
| 4-YR Eris LIBOR | 0 | 9,697 | -100.0% | 0 | - |
| 4-YR Eris SOFR | 7,108 | 575 | 1,136.2% | 6,628 | 7.2% |
| 5-YR Eris LIBOR | 0 | 16,610 | -100.0% | 0 | - |
| 5-YR Eris SOFR | 22,254 | 1,271 | 1,650.9% | 20,056 | 11.0% |
| 5-YR MAC LIBOR | 0 | 19,146 | -100.0% | 0 | - |
| 5-YR MAC SOFR | 0 | 0 | - | 0 | - |
| 5-YR NOTE | 5,513,928 | 3,942,475 | 39.9% | 5,085,321 | 8.4% |
| 5Y YIELD | 3 | 1,092 | -99.7% | 2 | 50.0% |
| 7-YR Eris LIBOR | 0 | 21,100 | -100.0% | 0 | - |
| 7-YR Eris SOFR | 17,327 | 289 | 5,895.5% | 17,218 | 0.6% |
| BSBY 3-MONTH FUTURES | 7,726 | 25,493 | -69.7% | 8,390 | -7.9% |
| ESTR Basis Spread Futures | 659 | 0 | - | 657 | 0.3% |
| ESTR Futures | 7,113 | 0 | - | 7,001 | 1.6% |
| EURODOLLARS | 0 | 9,490,993 | -100.0% | 0 | - |
| FED FUND | 1,753,172 | 1,896,557 | -7.6% | 1,753,035 | 0.0% |
| FTIIE | 313 | 61 | 413.1% | 249 | 25.7% |
| SOFR | 10,967,851 | 7,298,956 | 50.3% | 10,444,136 | 5.0% |

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| Interest Rate Futures | | | | | |
| SONIA | 3,688 | 8,152 | -54.8% | 3,688 | 0.0% |
| Ultra 10-Year Note | 1,786,248 | 1,166,780 | 53.1% | 1,695,024 | 5.4% |
| ULTRA T-BOND | 1,536,173 | 1,308,803 | 17.4% | 1,522,542 | 0.9% |
| Interest Rate Options | | | | | |
| 10-YR NOTE | 2,302,435 | 2,525,113 | -8.8% | 1,858,168 | 23.9% |
| 2-YR NOTE | 153,066 | 71,484 | 114.1% | 164,453 | -6.9% |
| 30-YR BOND | 439,125 | 428,826 | 2.4% | 400,310 | 9.7% |
| 5-YR NOTE | 1,013,572 | 862,321 | 17.5% | 1,009,558 | 0.4% |
| EURODOLLARS | 0 | 23,648,758 | -100.0% | 0 | - |
| EURO MIDCURVE | 0 | 5,590,750 | -100.0% | 0 | - |
| FED FUND | 0 | 2 | -100.0% | 1 | -100.0% |
| SOFR | 29,588,482 | 7,434,390 | 298.0% | 29,518,374 | 0.2% |
| SOFR MIDCURVE | 5,935,934 | 1,301,033 | 356.2% | 5,013,159 | 18.4% |
| SOFR MISCURVE | 0 | 0 | - | 0 | - |
| Ultra 10-Year Note | 1,995 | 0 | - | 245 | 714.3% |
| ULTRA T-BOND | 2,579 | 778 | 231.5% | 750 | 243.9% |
| Equity Index Futures | | | | | |
| BITCOIN | 15,757 | 13,806 | 14.1% | 18,264 | -13.7% |
| DJ US REAL ESTATE SECTOR | 38,376 | 44,894 | -14.5% | 43,200 | -11.2% |
| E-mini (\$5) Dow | 110,328 | 74,121 | 48.8% | 94,731 | 16.5% |
| E-mini FTSE China 50 | 0 | 18 | -100.0% | 0 | - |
| E-MINI MIDCAP | 39,036 | 53,588 | -27.2% | 37,982 | 2.8% |
| E-MINI NASDAQ 100 | 260,515 | 260,662 | -0.1% | 249,607 | 4.4% |
| E-MINI RUSSELL 1000 | 7,966 | 14,279 | -44.2% | 8,191 | -2.7% |
| E-MINI RUSSELL 1000 GROWTH | 4,328 | 4,958 | -12.7% | 4,367 | -0.9% |
| E-MINI RUSSELL 1000 VALUE | 13,530 | 21,000 | -35.6% | 13,604 | -0.5% |
| E-MINI RUSSELL 2000 | 532,226 | 575,953 | -7.6% | 519,687 | 2.4% |
| E-MINI S&P500 | 2,234,537 | 2,339,217 | -4.5% | 2,217,777 | 0.8% |
| E-MINI S&P500 ESG | 17,939 | 13,504 | 32.8% | 16,461 | 9.0% |
| ETHER | 0 | 0 | - | 0 | - |
| ETHER FUTURES | 3,343 | 4,003 | -16.5% | 4,960 | -32.6% |
| FT-SE 100 | 0 | 0 | - | 0 | - |
| FTSE Emerging | 0 | 0 | - | 0 | - |
| IBOVESPA INDEX | 12 | 32 | -62.5% | 17 | -29.4% |
| MICRO BITCOIN | 19,339 | 23,679 | -18.3% | 12,893 | 50.0% |
| MICRO E-MINI NASDAQ 100 | 132,724 | 70,554 | 88.1% | 102,582 | 29.4% |
| MICRO E-MINI RUSSELL 2000 | 18,952 | 27,490 | -31.1% | 17,656 | 7.3% |
| MICRO E-MINI S&P500 | 217,539 | 144,579 | 50.5% | 162,238 | 34.1% |
| MICRO ETHER | 19,006 | 64,677 | -70.6% | 20,363 | -6.7% |
| MICRO MINI \$5 DOW | 26,207 | 16,948 | 54.6% | 19,325 | 35.6% |
| NASDAQ-100 VOLATILITY | 0 | 20 | -100.0% | 0 | - |
| NASDAQ BIOTECH SECTOR | 21 | 73 | -71.2% | 27 | -22.2% |
| Nearby BTIC+ | 0 | 100 | -100.0% | 0 | - |
| NIKKEI 225 (\$) STOCK | 16,555 | 13,627 | 21.5% | 15,595 | 6.2% |
| NIKKEI 225 (YEN) STOCK | 51,565 | 60,842 | -15.2% | 54,565 | -5.5% |

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| Equity Index Futures | | | | | |
| PHLX SEMICONDUCTOR SECTO | 616 | 0 | - | 762 | -19.2% |
| S&P 500 | 458,124 | 308,113 | 48.7% | 440,426 | 4.0% |
| S&P 500 ANNUAL DIVIDEND IND | 206,312 | 228,713 | -9.8% | 204,510 | 0.9% |
| S&P 500 QUARLY DIVIDEND IND | 34,735 | 10,532 | 229.8% | 29,953 | 16.0% |
| S&P 600 SMALLCAP EMINI | 537 | 0 | - | 0 | - |
| S&P BIOTECHNOLOGY SECTOR | 211 | 0 | - | 209 | 1.0% |
| S&P COMMUNICATION SERVICE | 5,628 | 2,325 | 142.1% | 4,268 | 31.9% |
| S&P CONSUMER DISCRETIONAR | 7,848 | 6,923 | 13.4% | 8,530 | -8.0% |
| S&P CONSUMER STAPLES SECT | 15,357 | 16,135 | -4.8% | 15,768 | -2.6% |
| S&P ENERGY SECTOR | 24,140 | 33,540 | -28.0% | 23,410 | 3.1% |
| S&P FINANCIAL SECTOR | 34,020 | 21,695 | 56.8% | 33,704 | 0.9% |
| S&P HEALTH CARE SECTOR | 14,821 | 21,142 | -29.9% | 13,725 | 8.0% |
| S&P INDUSTRIAL SECTOR | 15,393 | 15,947 | -3.5% | 15,062 | 2.2% |
| S&P MATERIALS SECTOR | 18,932 | 9,241 | 104.9% | 17,919 | 5.7% |
| S&P OIL & GAS EXPLORATION A | 39 | 0 | - | 9 | 333.3% |
| S&P REAL ESTATE SECTOR | 9,640 | 3,869 | 149.2% | 6,972 | 38.3% |
| S&P REGIONAL BANKS SECTOR | 627 | 0 | - | 580 | 8.1% |
| S&P RETAIL SECTOR | 699 | 0 | - | 786 | -11.1% |
| S&P TECHNOLOGY SECTOR | 11,902 | 10,644 | 11.8% | 10,134 | 17.4% |
| S&P UTILITIES SECTOR | 38,250 | 20,299 | 88.4% | 26,003 | 47.1% |
| S&P VALUE INDEX FUTURES | 0 | 0 | - | 0 | - |
| TOPIX (USD) | 0 | 0 | - | 0 | - |
| TOPIX (YEN) | 65 | 202 | -67.8% | 23 | 182.6% |
| WATER INDEX FUTURES | 0 | 0 | - | 0 | - |
| Equity Index Options | | | | | |
| BITCOIN OPTIONS | 4,756 | 5,070 | -6.2% | 10,350 | -54.0% |
| DJIA | 0 | 0 | - | 0 | 0.0% |
| E-mini (\$5) Dow | 91 | 680 | -86.6% | 78 | 16.7% |
| E-MINI NASDAQ 100 | 223,431 | 197,660 | 13.0% | 223,927 | -0.2% |
| E-MINI RUSSELL 2000 | 37,469 | 40,805 | -8.2% | 40,622 | -7.8% |
| E-MINI S&P500 | 4,973,873 | 4,422,726 | 12.5% | 4,898,448 | 1.5% |
| EOM S&P 500 | 0 | 0 | - | 0 | - |
| ETHER OPTIONS | 1,945 | 0 | - | 2,605 | -25.3% |
| EVENT CONTRACT S&P 500 | 0 | 0 | - | 0 | 0.0% |
| MICRO BITCOIN | 9,707 | 10,013 | -3.1% | 9,562 | 1.5% |
| MICRO E-MINI NASDAQ 100 | 11,247 | 4,747 | 136.9% | 10,118 | 11.2% |
| Micro E-mini S&P 500 | 48,139 | 44,142 | 9.1% | 45,909 | 4.9% |
| MICRO ETHER | 16,860 | 42,149 | -60.0% | 26,712 | -36.9% |
| S&P 500 | 0 | 0 | - | 0 | - |

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| Metals Futures | | | | | |
| ALUMINUM | 56,549 | 58,328 | -3.0% | 54,983 | 2.8% |
| COBALT METAL FUTURES | 21,918 | 5,322 | 311.8% | 21,224 | 3.3% |
| COMEX COPPER | 240,799 | 185,926 | 29.5% | 190,619 | 26.3% |
| COMEX E-Mini GOLD | 842 | 1,640 | -48.7% | 1,196 | -29.6% |
| COMEX E-Mini SILVER | 383 | 443 | -13.5% | 347 | 10.4% |
| COMEX GOLD | 444,586 | 466,838 | -4.8% | 440,991 | 0.8% |
| COMEX MINY COPPER | 365 | 444 | -17.8% | 356 | 2.5% |
| COMEX SILVER | 144,808 | 138,933 | 4.2% | 114,102 | 26.9% |
| COPPER | 15,598 | 14,202 | 9.8% | 15,858 | -1.6% |
| FERROUS PRODUCTS | 4,300 | 6,950 | -38.1% | 4,705 | -8.6% |
| GOLD | 6 | 626 | -99.0% | 748 | -99.2% |
| HOT ROLLED COIL STEEL FUTU | 5,939 | 2,962 | 100.5% | 6,327 | -6.1% |
| IRON ORE CHINA | 801 | 2,999 | -73.3% | 740 | 8.2% |
| METALS | 3,658 | 375 | 875.5% | 2,393 | 52.9% |
| MICRO GOLD | 29,261 | 21,220 | 37.9% | 24,452 | 19.7% |
| NYMEX HOT ROLLED STEEL | 20,578 | 22,522 | -8.6% | 23,581 | -12.7% |
| NYMEX PLATINUM | 67,717 | 70,945 | -4.6% | 69,283 | -2.3% |
| PALLADIUM | 18,493 | 7,156 | 158.4% | 14,631 | 26.4% |
| SILVER | 5,666 | 6,369 | -11.0% | 7,444 | -23.9% |
| URANIUM | 0 | 800 | -100.0% | 0 | - |
| Metals Options | | | | | |
| ALUMINUM | 882 | 0 | - | 1,035 | -14.8% |
| COMEX COPPER | 101,541 | 79,291 | 28.1% | 77,294 | 31.4% |
| COMEX GOLD | 735,021 | 844,167 | -12.9% | 764,717 | -3.9% |
| COMEX SILVER | 100,484 | 100,436 | 0.0% | 96,724 | 3.9% |
| COPPER | 1,894 | 323 | 486.4% | 937 | 102.1% |
| GOLD | 28,161 | 21,369 | 31.8% | 26,681 | 5.5% |
| IRON ORE CHINA | 0 | 0 | - | 0 | - |
| NYMEX HOT ROLLED STEEL | 6,748 | 3,669 | 83.9% | 6,950 | -2.9% |
| NYMEX PLATINUM | 20,323 | 7,588 | 167.8% | 23,754 | -14.4% |
| PALLADIUM | 1,765 | 6 | 29,316.7% | 1,706 | 3.5% |
| SILVER | 6,152 | 1,736 | 254.4% | 4,001 | 53.8% |
| Energy Futures | | | | | |
| AEP-DAYTON HUB DAILY | 0 | 10 | -100.0% | 0 | - |
| ARGUS LLS VS. WTI (ARG) T | 5,380 | 7,308 | -26.4% | 4,945 | 8.8% |
| ARGUS PROPAN FAR EST INDE | 6,592 | 5,136 | 28.3% | 6,741 | -2.2% |
| ARGUS PROPAN(SAUDI ARAMC | 2,150 | 1,665 | 29.1% | 2,024 | 6.2% |
| BRENT BALMO SWAP | 15 | 0 | - | 20 | -25.0% |
| BRENT CALENDAR SWAP | 22,975 | 42,912 | -46.5% | 25,722 | -10.7% |
| BRENT FINANCIAL FUTURES | 190 | 0 | - | 200 | -5.0% |
| BRENT OIL LAST DAY | 136,054 | 183,989 | -26.1% | 147,001 | -7.4% |
| CAR VINTAGE | 25,401 | 18,290 | 38.9% | 25,064 | 1.3% |
| CEU ENERGY | 330 | 0 | - | 0 | - |
| CHICAGO ETHANOL SWAP | 38,447 | 30,040 | 28.0% | 40,736 | -5.6% |
| CHICAGO ULSD PL VS HO SPR | 2,780 | 918 | 202.8% | 2,395 | 16.1% |

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| Energy Futures | | | | | |
| CHICAGO UNL GAS PL VS RBO | 0 | 0 | - | 0 | - |
| CONWAY NATURAL GASOLINE (| 393 | 2,069 | -81.0% | 413 | -4.8% |
| CONWAY NORMAL BUTANE (OPI | 1,447 | 1,882 | -23.1% | 1,283 | 12.8% |
| CONWAY PROPANE 5 DECIMALS | 29,964 | 27,439 | 9.2% | 28,363 | 5.6% |
| CRUDE OIL | 0 | 0 | - | 0 | - |
| CRUDE OIL LAST DAY | 1,200 | 0 | - | 1,500 | -20.0% |
| CRUDE OIL OUTRIGHTS | 231,249 | 152,199 | 51.9% | 242,282 | -4.6% |
| CRUDE OIL PHY | 1,768,616 | 1,620,853 | 9.1% | 1,837,756 | -3.8% |
| CRUDE OIL SPRDS | 204,945 | 139,136 | 47.3% | 207,174 | -1.1% |
| CRUDE OIL TRADE AT MARKER | 0 | 0 | 0.0% | 0 | 0.0% |
| DAILY PJM | 0 | 8,736 | -100.0% | 0 | - |
| DATED TO FRONTLINE BRENT | 1,110 | 2,370 | -53.2% | 1,295 | -14.3% |
| DIESEL 10P BRG FOB RDM VS | 0 | 0 | - | 0 | - |
| DOMINION TRANSMISSION INC | 0 | 0 | - | 0 | - |
| DUBAI CRUDE OIL CALENDAR | 400 | 500 | -20.0% | 0 | - |
| DUTCH TTF NATURAL GAS CAL | 4,755 | 4,445 | 7.0% | 16,922 | -71.9% |
| EAST/WEST FUEL OIL SPREAD | 0 | 0 | - | 0 | - |
| EIA FLAT TAX ONHWAY DIESE | 1,368 | 939 | 45.7% | 1,525 | -10.3% |
| ELEC FINSETTLED | 0 | 0 | - | 0 | - |
| ELECTRICITY OFF PEAK | 0 | 0 | - | 0 | - |
| EMMISSIONS | 125 | 214 | -41.6% | 50 | 150.0% |
| ETHANOL | 10 | 0 | - | 0 | - |
| ETHANOL SWAP | 845 | 700 | 20.7% | 900 | -6.1% |
| ETHANOL T2 FOB ROTT INCL DU | 6,249 | 4,657 | 34.2% | 6,031 | 3.6% |
| EURO 3.5% FUEL OIL RDAM B | 0 | 0 | - | 87 | -100.0% |
| EURO GASOIL 10 CAL SWAP | 0 | 0 | - | 1 | -100.0% |
| EURO GASOIL 10PPM VS ICE | 180 | 630 | -71.4% | 210 | -14.3% |
| EUROPE 1% FUEL OIL NWE CA | 0 | 30 | -100.0% | 0 | - |
| EUROPE 3.5% FUEL OIL MED | 0 | 0 | - | 0 | - |
| EUROPE 3.5% FUEL OIL RDAM | 34 | 132 | -74.2% | 76 | -55.3% |
| EUROPEAN GASOIL (ICE) | 451 | 2,356 | -80.9% | 462 | -2.4% |
| EUROPEAN NAPHTHA BALMO | 20 | 7 | 185.7% | 0 | - |
| EUROPEAN NAPHTHA CRACK SP | 6,250 | 7,292 | -14.3% | 5,988 | 4.4% |
| EUROPE DATED BRENT SWAP | 0 | 6 | -100.0% | 0 | - |
| EUROPE JET KERO NWE CALSW | 0 | 0 | - | 0 | - |
| EUROPE NAPHTHA CALSWAP | 1,210 | 750 | 61.3% | 1,315 | -8.0% |
| EURO PROPANE CIF ARA SWA | 2,870 | 2,500 | 14.8% | 2,968 | -3.3% |
| FREIGHT MARKETS | 324 | 802 | -59.6% | 386 | -16.1% |
| FUEL OIL CRACK VS ICE | 21 | 600 | -96.5% | 24 | -12.5% |
| FUEL OIL NWE CRACK VS ICE | 30 | 63 | -52.4% | 30 | 0.0% |
| FUELOIL SWAP:CARGOES VS.B | 0 | 0 | - | 0 | - |
| GAS EURO-BOB OXY NWE BARG | 861 | 445 | 93.5% | 644 | 33.7% |
| GAS EURO-BOB OXY NWE BARG | 3,742 | 7,070 | -47.1% | 3,970 | -5.7% |
| GASOIL 0.1CIF MED VS ICE | 0 | 30 | -100.0% | 0 | - |
| GASOIL 0.1 RDAM BRGS VS I | 0 | 0 | - | 0 | - |
| GASOIL 0.1 ROTTERDAM BARG | 0 | 39 | -100.0% | 0 | - |
| GASOIL 10PPM VS ICE SWAP | 12 | 0 | - | 12 | 0.0% |
| GASOIL CALENDAR SWAP | 42 | 203 | -79.3% | 80 | -47.5% |
| GASOIL CRACK SPREAD CALEN | 522 | 2,730 | -80.9% | 528 | -1.1% |
| GASOIL MINI CALENDAR SWAP | 650 | 612 | 6.2% | 493 | 31.8% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|-----------------------------|---------------------------|---------------------------|----------|---------------------------|---------|
| Energy Futures | | | | | |
| GERMAN POWER BASELOAD CA | 0 | 108 | -100.0% | 0 | - |
| GRP THREE ULSD(PLT)VS HEA | 7,439 | 5,725 | 29.9% | 9,185 | -19.0% |
| GRP THREE UNL GS (PLT) VS | 3,142 | 3,385 | -7.2% | 3,147 | -0.2% |
| GULF COAST 3% FUEL OIL BA | 0 | 107 | -100.0% | 0 | - |
| GULF COAST JET FUEL CLNDR | 0 | 0 | - | 0 | - |
| GULF COAST JET VS NYM 2 H | 18,246 | 9,988 | 82.7% | 17,939 | 1.7% |
| GULF COAST NO.6 FUEL OIL | 17,893 | 9,941 | 80.0% | 18,261 | -2.0% |
| GULF COAST ULSD CALENDAR | 1,427 | 776 | 83.9% | 1,590 | -10.3% |
| GULF COAST ULSD CRACK SPR | 0 | 0 | - | 0 | - |
| HEATING OIL BALMO CLNDR S | 93 | 265 | -64.9% | 295 | -68.5% |
| HEATING OIL CRCK SPRD BAL | 0 | 127 | -100.0% | 0 | - |
| HEATING OIL PHY | 330,356 | 271,173 | 21.8% | 304,373 | 8.5% |
| HENRY HUB SWAP | 421,003 | 494,556 | -14.9% | 433,375 | -2.9% |
| HOUSTON SHIP CHANNEL BASI | 0 | 0 | - | 0 | - |
| HTG OIL | 120 | 108 | 11.1% | 93 | 29.0% |
| ICE BRENT DUBAI SWAP | 70 | 1,440 | -95.1% | 140 | -50.0% |
| ICE GASOIL BALMO SWAP | 0 | 0 | - | 0 | - |
| INDIANA MISO | 0 | 0 | - | 0 | - |
| INDONESIAN COAL ICI4 | 0 | 0 | - | 0 | - |
| JAPAN C&F NAPHTHA CRACK S | 5 | 122 | -95.9% | 5 | 0.0% |
| JAPAN C&F NAPHTHA SWAP | 626 | 329 | 90.3% | 622 | 0.6% |
| JAPAN NAPHTHA BALMO SWAP | 0 | 0 | - | 0 | - |
| JET CIF NWE VS ICE | 492 | 1,020 | -51.8% | 559 | -12.0% |
| JET FUEL UP-DOWN BALMO CL | 1,505 | 665 | 126.3% | 1,375 | 9.5% |
| JKM LNG Futures | 175 | 1,334 | -86.9% | 260 | -32.7% |
| LA CARB DIESEL (OPIS) SWA | 570 | 661 | -13.8% | 717 | -20.5% |
| LA CARBOB GASOLINE(OPIS)S | 0 | 0 | - | 50 | -100.0% |
| LA JET (OPIS) SWAP | 1,115 | 475 | 134.7% | 1,505 | -25.9% |
| LLS (ARGUS) CALENDAR SWAP | 0 | 0 | - | 0 | - |
| LLS (ARGUS) VS WTI SWAP | 582 | 2,106 | -72.4% | 639 | -8.9% |
| LTD NAT GAS | 365,428 | 374,380 | -2.4% | 365,104 | 0.1% |
| MARS (ARGUS) VS WTI SWAP | 0 | 675 | -100.0% | 0 | - |
| MARS (ARGUS) VS WTI TRD M | 12,315 | 12,435 | -1.0% | 9,780 | 25.9% |
| MCCLOSKEY ARA ARGS COAL | 6,693 | 11,978 | -44.1% | 6,903 | -3.0% |
| MCCLOSKEY RCH BAY COAL | 48 | 853 | -94.4% | 66 | -27.3% |
| MGN1 SWAP FUT | 0 | 0 | - | 0 | - |
| MINI GAS EUROBOB OXY NWE A | 110 | 10 | 1,000.0% | 0 | - |
| MINI RBOB V. EBOBARG NWE BF | 0 | 0 | - | 0 | - |
| MINI RBOB V. EBOB(ARGUS) NW | 179 | 464 | -61.4% | 385 | -53.5% |
| MINY HTG OIL | 0 | 0 | 0.0% | 0 | 0.0% |
| MINY NATURAL GAS | 12,146 | 8,177 | 48.5% | 13,322 | -8.8% |
| MINY RBOB GAS | 0 | 1 | -100.0% | 1 | -100.0% |
| MINY WTI CRUDE OIL | 3,621 | 5,202 | -30.4% | 3,777 | -4.1% |
| MJC FUT | 0 | 0 | - | 0 | - |
| MNC FUT | 940 | 2,593 | -63.7% | 1,235 | -23.9% |
| MONT BELVIEU ETHANE 5 DECI | 50,198 | 43,496 | 15.4% | 51,353 | -2.2% |
| MONT BELVIEU ETHANE OPIS B | 80 | 390 | -79.5% | 415 | -80.7% |
| MONT BELVIEU LDH PROPANE 5 | 164,627 | 119,767 | 37.5% | 173,057 | -4.9% |
| MONT BELVIEU LDH PROPANE C | 2,443 | 2,286 | 6.9% | 1,265 | 93.1% |
| MONT BELVIEU NATURAL GASO | 36,113 | 37,788 | -4.4% | 35,921 | 0.5% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|-----------------------------|---------------------------|---------------------------|---------|---------------------------|---------|
| Energy Futures | | | | | |
| MONT BELVIEU NATURAL GASO | 615 | 1,845 | -66.7% | 1,805 | -65.9% |
| MONT BELVIEU NORMAL BUTAN | 70,274 | 56,473 | 24.4% | 65,285 | 7.6% |
| MONT BELVIEU NORMAL BUTAN | 696 | 729 | -4.5% | 767 | -9.3% |
| NATURAL GAS | 187,574 | 235,372 | -20.3% | 192,284 | -2.4% |
| NATURAL GAS PEN SWP | 132,812 | 206,958 | -35.8% | 137,966 | -3.7% |
| NATURAL GAS PHY | 1,188,766 | 983,986 | 20.8% | 1,234,829 | -3.7% |
| NEPOOL INTR HUB 5MW D AH | 0 | 2,502 | -100.0% | 0 | - |
| NEW ENGLAND HUB PEAK DAIL | 0 | 102 | -100.0% | 0 | - |
| NEW YORK ETHANOL SWAP | 1,610 | 1,890 | -14.8% | 1,715 | -6.1% |
| NEW YORK HUB ZONE G PEAK | 0 | 850 | -100.0% | 0 | - |
| NEW YORK HUB ZONE J PEAK | 0 | 0 | - | 0 | - |
| N ILLINOIS HUB DAILY | 0 | 20 | -100.0% | 0 | - |
| NY1% VS GC SPREAD SWAP | 0 | 0 | - | 0 | - |
| NY HARBOR 1% FUEL OIL BAL | 0 | 0 | - | 0 | - |
| NY HARBOR HEAT OIL SWP | 12,021 | 7,206 | 66.8% | 11,932 | 0.7% |
| NY HARBOR LOW SULPUR GAS | 0 | 300 | -100.0% | 0 | - |
| NY HARBOR RESIDUAL FUEL 1 | 155 | 200 | -22.5% | 230 | -32.6% |
| NYH NO 2 CRACK SPREAD CAL | 21,622 | 12,044 | 79.5% | 20,421 | 5.9% |
| NYISO CAPACITY | 0 | 0 | - | 0 | - |
| NYISO ZONE G 5MW D AH O P | 0 | 0 | - | 0 | - |
| NYISO ZONE G 5MW D AH PK | 0 | 2,100 | -100.0% | 0 | - |
| NY ULSD (ARGUS) VS HEATING | 2,804 | 1,724 | 62.6% | 2,844 | -1.4% |
| PANHANDLE BASIS SWAP FUTU | 0 | 0 | - | 0 | - |
| PETROCHEMICALS | 12,842 | 12,001 | 7.0% | 12,585 | 2.0% |
| PETRO CRCKS & SPRDS ASIA | 0 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | 24,780 | 34,103 | -27.3% | 26,081 | -5.0% |
| PETRO CRK&SPRD EURO | 2,442 | 2,153 | 13.4% | 2,380 | 2.6% |
| PETROLEUM PRODUCTS | 7,457 | 9,238 | -19.3% | 8,041 | -7.3% |
| PETROLEUM PRODUCTS ASIA | 715 | 949 | -24.7% | 683 | 4.7% |
| PETRO OUTRIGHT EURO | 13,393 | 18,527 | -27.7% | 13,883 | -3.5% |
| PETRO OUTRIGHT NA | 7,579 | 4,087 | 85.4% | 9,462 | -19.9% |
| PJM AD HUB 5MW REAL TIME | 0 | 10,340 | -100.0% | 0 | - |
| PJM DAILY | 126 | 284 | -55.6% | 126 | 0.0% |
| PJM NI HUB 5MW REAL TIME | 0 | 230 | -100.0% | 0 | - |
| PJM WESTH RT OFF-PEAK | 0 | 88,245 | -100.0% | 0 | - |
| PJM WESTH RT PEAK | 6,678 | 21,036 | -68.3% | 7,938 | -15.9% |
| PLASTICS | 3,690 | 3,940 | -6.3% | 3,994 | -7.6% |
| PREMIUM UNLD 10P FOB MED | 0 | 90 | -100.0% | 5 | -100.0% |
| PROPANE NON-LDH MB (OPIS) B | 2,425 | 1,140 | 112.7% | 1,070 | 126.6% |
| PROPANE NON-LDH MT. BEL (OF | 72,133 | 38,921 | 85.3% | 72,286 | -0.2% |
| RBOB CALENDAR SWAP | 18,808 | 10,289 | 82.8% | 12,940 | 45.3% |
| RBOB CRACK SPREAD | 9,006 | 13,576 | -33.7% | 9,616 | -6.3% |
| RBOB CRACK SPREAD BALMO S | 0 | 127 | -100.0% | 0 | - |
| RBOB GAS | 72 | 76 | -5.3% | 66 | 9.1% |
| RBOB GASOLINE BALMO CLNDR | 531 | 794 | -33.1% | 1,359 | -60.9% |
| RBOB PHY | 361,023 | 259,385 | 39.2% | 321,655 | 12.2% |
| RBOB VS HEATING OIL SWAP | 180 | 315 | -42.9% | 205 | -12.2% |
| SINGAPORE 180CST BALMO | 0 | 0 | - | 3 | -100.0% |
| SINGAPORE 380CST BALMO | 0 | 0 | - | 0 | - |
| SINGAPORE 380CST FUEL OIL | 338 | 209 | 61.7% | 368 | -8.2% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|----------------------------|---------------------------|---------------------------|--------|---------------------------|--------|
| Energy Futures | | | | | |
| SINGAPORE FUEL 180CST CAL | 3 | 0 | - | 3 | 0.0% |
| SINGAPORE FUEL OIL 180 CS | 0 | 0 | - | 0 | - |
| SINGAPORE FUEL OIL SPREAD | 81 | 30 | 170.0% | 81 | 0.0% |
| SINGAPORE GASOIL | 318 | 1,270 | -75.0% | 355 | -10.4% |
| SINGAPORE GASOIL CALENDAR | 178 | 102 | 74.5% | 53 | 235.8% |
| SINGAPORE GASOIL SWAP | 391 | 940 | -58.4% | 478 | -18.2% |
| SINGAPORE GASOIL VS ICE | 1,122 | 3,930 | -71.5% | 1,316 | -14.7% |
| SINGAPORE JET KERO GASOIL | 1,014 | 3,339 | -69.6% | 1,171 | -13.4% |
| SINGAPORE JET KEROSENE SW | 0 | 0 | - | 0 | - |
| SINGAPORE MOGAS 92 UNLEAD | 0 | 0 | - | 0 | - |
| SINGAPORE MOGAS 92 UNLEAD | 365 | 0 | - | 335 | 9.0% |
| TC2 ROTTERDAM TO USAC 37K | 72 | 90 | -20.0% | 152 | -52.6% |
| TC5 RAS TANURA TO YOKOHAM | 60 | 270 | -77.8% | 70 | -14.3% |
| TD3 MEG TO JAPAN 250K MT | 1,650 | 3,345 | -50.7% | 1,715 | -3.8% |
| TEXAS EASTERN ZONE M-3 BA | 0 | 0 | - | 0 | - |
| UK NBP NAT GAS CAL MTH FUT | 0 | 0 | - | 0 | - |
| ULSD UP-DOWN BALMO SWP | 3,915 | 3,124 | 25.3% | 6,165 | -36.5% |
| UP DOWN GC ULSD VS NMX HO | 41,739 | 26,836 | 55.5% | 38,395 | 8.7% |
| WTI-BRENT CALENDAR SWAP | 129,150 | 101,705 | 27.0% | 116,906 | 10.5% |
| WTI CALENDAR | 145,294 | 156,164 | -7.0% | 134,927 | 7.7% |
| WTI MIDLAND CRUDE OIL | 1,390 | 0 | - | 1,760 | -21.0% |
| WTS (ARGUS) VS WTI SWAP | 21,690 | 23,949 | -9.4% | 22,178 | -2.2% |
| WTS (ARGUS) VS WTI TRD MT | 1,836 | 6,265 | -70.7% | 1,720 | 6.7% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|-----------------------------|---------------------------|---------------------------|----------|---------------------------|-----------|
| Energy Options | | | | | |
| BRENT CALENDAR SWAP | 3,260 | 2,766 | 17.9% | 2,809 | 16.1% |
| BRENT CRUDE OIL 1 M CSO | 3,750 | 600 | 525.0% | 4,800 | -21.9% |
| BRENT OIL LAST DAY | 44,926 | 93,760 | -52.1% | 47,261 | -4.9% |
| COAL API2 INDEX | 305 | 365 | -16.4% | 305 | 0.0% |
| CRUDE OIL | 0 | 0 | - | 0 | - |
| CRUDE OIL 1MO | 158,075 | 139,193 | 13.6% | 157,875 | 0.1% |
| CRUDE OIL APO | 164,430 | 217,937 | -24.6% | 162,009 | 1.5% |
| CRUDE OIL CALNDR STRIP | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | 0 | 0 | - | 0 | 0.0% |
| CRUDE OIL PHY | 2,153,401 | 2,230,476 | -3.5% | 2,153,883 | 0.0% |
| ELEC FINSETTLED | 0 | 0 | 0.0% | 0 | - |
| ETHANOL SWAP | 5,455 | 4,915 | 11.0% | 6,017 | -9.3% |
| FREIGHT MARKETS | 0 | 30 | -100.0% | 0 | - |
| HEATING OIL CRK SPD AVG PRI | 0 | 1,750 | -100.0% | 0 | - |
| HEATING OIL PHY | 10,012 | 14,536 | -31.1% | 9,077 | 10.3% |
| HENRY HUB FINANCIAL LAST | 60,227 | 27,572 | 118.4% | 59,757 | 0.8% |
| HO 1 MONTH CLNDR OPTIONS | 9,600 | 1,900 | 405.3% | 0 | - |
| LLS CRUDE OIL | 4,900 | 2,700 | 81.5% | 5,375 | -8.8% |
| MCCLOSKEY ARA ARGS COAL | 0 | 120 | -100.0% | 0 | - |
| NATURAL GAS | 490 | 5 | 9,700.0% | 3 | 16,233.3% |
| NATURAL GAS 1 M CSO FIN | 195,728 | 143,246 | 36.6% | 175,753 | 11.4% |
| NATURAL GAS 2 M CSO FIN | 1,250 | 0 | - | 250 | 400.0% |
| NATURAL GAS 3 M CSO FIN | 102,900 | 88,725 | 16.0% | 99,090 | 3.8% |
| NATURAL GAS 5 M CSO FIN | 0 | 0 | - | 0 | - |
| NATURAL GAS 6 M CSO FIN | 0 | 7,500 | -100.0% | 0 | - |
| NATURAL GAS OPT | 125 | 2,675 | -95.3% | 250 | -50.0% |
| NATURAL GAS OPTION ON CALE | 224 | 7,784 | -97.1% | 224 | 0.0% |
| NATURAL GAS PHY | 3,158,365 | 3,059,540 | 3.2% | 3,226,537 | -2.1% |
| NATURAL GAS SUMMER STRIP | 0 | 0 | - | 0 | - |
| NY HARBOR HEAT OIL SWP | 18,867 | 7,180 | 162.8% | 19,910 | -5.2% |
| PETROCHEMICALS | 2,212 | 4,790 | -53.8% | 2,463 | -10.2% |
| PETRO OUTRIGHT EURO | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | 90 | 810 | -88.9% | 100 | -10.0% |
| PJM WES HUB PEAK CAL MTH | 0 | 180 | -100.0% | 0 | - |
| PJM WES HUB PEAK LMP 50MW | 0 | 0 | - | 0 | - |
| RBOB 1MO CAL SPD OPTIONS | 0 | 500 | -100.0% | 0 | - |
| RBOB CALENDAR SWAP | 80 | 1,309 | -93.9% | 96 | -16.7% |
| RBOB PHY | 5,590 | 5,591 | 0.0% | 4,607 | 21.3% |
| SHORT TERM | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | 350 | 0 | - | 0 | - |
| WTI-BRENT BULLET SWAP | 57,125 | 197,210 | -71.0% | 71,300 | -19.9% |
| WTI CRUDE OIL 1 M CSO FI | 188,105 | 163,755 | 14.9% | 226,880 | -17.1% |
| FX Futures | | | | | |
| AD/CD CROSS RATES | 5 | 42 | -88.1% | 5 | 0.0% |
| AD/JY CROSS RATES | 560 | 877 | -36.1% | 511 | 9.6% |
| AD/NE CROSS RATES | 4,462 | 6,658 | -33.0% | 562 | 694.0% |
| AUSTRALIAN DOLLAR | 147,655 | 166,254 | -11.2% | 146,712 | 0.6% |

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|------------------------|---------------------------|---------------------------|----------|---------------------------|--------|
| FX Futures | | | | | |
| BP/JY CROSS RATES | 1,801 | 2,182 | -17.5% | 1,751 | 2.9% |
| BP/SF CROSS RATES | 3,288 | 1,746 | 88.3% | 3,485 | -5.7% |
| BRAZIL REAL | 62,342 | 47,203 | 32.1% | 65,703 | -5.1% |
| BRITISH POUND | 224,773 | 227,256 | -1.1% | 219,979 | 2.2% |
| CANADIAN DOLLAR | 155,634 | 146,218 | 6.4% | 160,537 | -3.1% |
| CD/JY CROSS RATES | 104 | 2 | 5,100.0% | 162 | -35.8% |
| CHILEAN PESO | 0 | 1 | -100.0% | 0 | - |
| CHINESE RENMINBI (CNH) | 9,316 | 4,999 | 86.4% | 11,675 | -20.2% |
| CZECK KORUNA (EC) | 1 | 0 | - | 1 | 0.0% |
| CZECK KORUNA (US) | 2 | 2 | 0.0% | 1 | 100.0% |
| EC/AD CROSS RATES | 3,349 | 2,178 | 53.8% | 3,435 | -2.5% |
| EC/CD CROSS RATES | 3,524 | 3,431 | 2.7% | 3,591 | -1.9% |
| EC/NOK CROSS RATES | 1,875 | 1,744 | 7.5% | 3,136 | -40.2% |
| EC/SEK CROSS RATES | 5,497 | 2,421 | 127.1% | 5,606 | -1.9% |
| EFX/BP CROSS RATES | 28,575 | 31,762 | -10.0% | 28,322 | 0.9% |
| EFX/JY CROSS RATES | 21,460 | 19,237 | 11.6% | 23,209 | -7.5% |
| EFX/SF CROSS RATES | 9,649 | 14,194 | -32.0% | 11,230 | -14.1% |
| E-MICRO USD/CAD | 43 | 27 | 59.3% | 32 | 34.4% |
| E-MICRO USD/CHF | 60 | 35 | 71.4% | 12 | 400.0% |
| E-MICRO USD/JPY | 255 | 252 | 1.2% | 463 | -44.9% |
| E-MINI EURO FX | 9,820 | 13,573 | -27.7% | 9,088 | 8.1% |
| E-MINI JAPANESE YEN | 4,002 | 1,273 | 214.4% | 1,926 | 107.8% |
| EURO FX | 748,653 | 679,641 | 10.2% | 725,122 | 3.2% |
| HUNGARIAN FORINT (EC) | 3 | 0 | - | 4 | -25.0% |
| HUNGARIAN FORINT (US) | 2 | 1 | 100.0% | 0 | - |
| INDIAN RUPEE | 1,706 | 1,581 | 7.9% | 2,600 | -34.4% |
| JAPANESE YEN | 230,142 | 231,375 | -0.5% | 262,146 | -12.2% |
| KOREAN WON | 658 | 91 | 623.1% | 2,423 | -72.8% |
| MEXICAN PESO | 238,149 | 198,773 | 19.8% | 230,515 | 3.3% |
| MICRO AUD/USD | 4,778 | 4,345 | 10.0% | 4,688 | 1.9% |
| MICRO CAD/USD | 2,866 | 2,624 | 9.2% | 2,628 | 9.1% |
| MICRO CHF/USD | 1,678 | 1,909 | -12.1% | 1,292 | 29.9% |
| MICRO EUR/USD | 13,768 | 25,809 | -46.7% | 10,982 | 25.4% |
| MICRO GBP/USD | 2,936 | 3,072 | -4.4% | 2,515 | 16.7% |
| MICRO INR/USD | 17 | 10 | 70.0% | 19 | -10.5% |
| MICRO JPY/USD | 0 | 0 | - | 0 | - |
| MICRO USD/CNH | 0 | 0 | - | 0 | - |
| NEW ZEALND DOLLAR | 34,911 | 43,458 | -19.7% | 34,456 | 1.3% |
| NKR/USD CROSS RATE | 1,535 | 804 | 90.9% | 1,040 | 47.6% |
| POLISH ZLOTY (EC) | 96 | 102 | -5.9% | 65 | 47.7% |
| POLISH ZLOTY (US) | 795 | 409 | 94.4% | 729 | 9.1% |
| RMB USD | 0 | 10 | -100.0% | 0 | - |
| RUSSIAN RUBLE | 0 | 135 | -100.0% | 0 | - |
| S.AFRICAN RAND | 35,564 | 31,155 | 14.2% | 27,995 | 27.0% |
| SF/JY CROSS RATES | 957 | 1,780 | -46.2% | 1,020 | -6.2% |
| SHEKEL | 18 | 16 | 12.5% | 35 | -48.6% |
| SKR/USD CROSS RATES | 892 | 2,326 | -61.7% | 1,415 | -37.0% |
| SWISS FRANC | 43,836 | 45,010 | -2.6% | 38,163 | 14.9% |
| TURKISH LIRA | 66 | 55 | 20.0% | 66 | 0.0% |
| USDZAR | 5 | 4 | 25.0% | 5 | 0.0% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|----------------------------|---------------------------|---------------------------|---------|---------------------------|-----------|
| FX Options | | | | | |
| AUD/USD MONDAY OPTION WEE | 4 | 13 | -69.2% | 578 | -99.3% |
| AUD/USD MONDAY OPTION WEE | 5 | 2 | 150.0% | 107 | -95.3% |
| AUD/USD MONDAY OPTION WEE | 0 | 1 | -100.0% | 10 | -100.0% |
| AUD/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| AUD/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| AUD/USD MONTHLY OPTIONS | 82,635 | 90,326 | -8.5% | 80,829 | 2.2% |
| AUD/USD THURSDAY WKLY OPT | 817 | 0 | - | 4 | 20,325.0% |
| AUD/USD THURSDAY WKLY OPT | 1 | 0 | - | 0 | - |
| AUD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | 0.0% |
| AUD/USD TUESDAY WKLY OPT | 22 | 0 | - | 0 | - |
| AUD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| AUD/USD WKLY FRIDAY OPTION | 1 | 0 | - | 0 | - |
| AUD/USD WKLY FRIDAY OPTION | 757 | 536 | 41.2% | 750 | 0.9% |
| AUD/USD WKLY FRIDAY OPTION | 594 | 775 | -23.4% | 639 | -7.0% |
| AUD/USD WKLY FRIDAY OPTION | 696 | 653 | 6.6% | 590 | 18.0% |
| AUD/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| AUD/USD WKLY WED OPTIONS - | 138 | 15 | 820.0% | 262 | -47.3% |
| AUD/USD WKLY WED OPTIONS - | 9 | 185 | -95.1% | 8 | 12.5% |
| AUD/USD WKLY WED OPTIONS - | 4 | 52 | -92.3% | 247 | -98.4% |
| AUD/USD WKLY WED OPTIONS - | 8 | 50 | -84.0% | 0 | - |
| AUD/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| BRL/USD MONTHLY OPTIONS | 0 | 202 | -100.0% | 0 | - |
| CAD/USD MONDAY OPTIONS WE | 112 | 189 | -40.7% | 581 | -80.7% |
| CAD/USD MONDAY OPTIONS WE | 0 | 379 | -100.0% | 260 | -100.0% |
| CAD/USD MONDAY OPTIONS WE | 0 | 5 | -100.0% | 0 | - |
| CAD/USD MONDAY OPTIONS WE | 0 | 0 | - | 0 | - |
| CAD/USD MONDAY OPTIONS WE | 0 | 0 | - | 0 | - |
| CAD/USD MONTHLY OPTIONS | 93,001 | 232,153 | -59.9% | 96,036 | -3.2% |
| CAD/USD THURSDAY WKLY OPT | 112 | 0 | - | 0 | - |
| CAD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | 0.0% |
| CAD/USD TUESDAY WKLY OPT | 183 | 0 | - | 0 | - |
| CAD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| CAD/USD WKLY FRIDAY OPTION | 65 | 0 | - | 0 | - |
| CAD/USD WKLY FRIDAY OPTION | 1,725 | 1,852 | -6.9% | 607 | 184.2% |
| CAD/USD WKLY FRIDAY OPTION | 623 | 1,604 | -61.2% | 654 | -4.7% |
| CAD/USD WKLY FRIDAY OPTION | 731 | 422 | 73.2% | 573 | 27.6% |
| CAD/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| CAD/USD WKLY WED OPTIONS - | 218 | 187 | 16.6% | 1,287 | -83.1% |
| CAD/USD WKLY WED OPTIONS - | 455 | 689 | -34.0% | 519 | -12.3% |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|----------------------------|---------------------------|---------------------------|-----------|---------------------------|---------|
| FX Options | | | | | |
| CAD/USD WKLY WED OPTIONS - | 15 | 2 | 650.0% | 4 | 275.0% |
| CAD/USD WKLY WED OPTIONS - | 19 | 0 | - | 0 | - |
| CAD/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| CHF/USD MONTHLY OPTIONS | 8,791 | 6,573 | 33.7% | 7,951 | 10.6% |
| CHF/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| CHF/USD WKLY FRIDAY OPTION | 13 | 1 | 1,200.0% | 2,517 | -99.5% |
| CHF/USD WKLY FRIDAY OPTION | 355 | 350 | 1.4% | 551 | -35.6% |
| CHF/USD WKLY FRIDAY OPTION | 0 | 0 | - | 1,001 | -100.0% |
| CHF/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| EUR/GBP MONTHLY OPTIONS | 0 | 0 | - | 0 | - |
| EUR/GBP WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| EUR/USD MONDAY OPTION WEE | 137 | 1,094 | -87.5% | 2,674 | -94.9% |
| EUR/USD MONDAY OPTION WEE | 571 | 20 | 2,755.0% | 634 | -9.9% |
| EUR/USD MONDAY OPTION WEE | 414 | 50 | 728.0% | 1,499 | -72.4% |
| EUR/USD MONDAY OPTION WEE | 0 | 18 | -100.0% | 551 | -100.0% |
| EUR/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| EUR/USD MONTHLY OPTIONS | 283,471 | 319,939 | -11.4% | 318,717 | -11.1% |
| EUR/USD THURSDAY WKLY OPT | 511 | 0 | - | 1,265 | -59.6% |
| EUR/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | 0.0% |
| EUR/USD TUESDAY WKLY OPT | 997 | 0 | - | 0 | - |
| EUR/USD TUESDAY WKLY OPT | 100 | 0 | - | 250 | -60.0% |
| EUR/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| EUR/USD WKLY FRIDAY OPTION | 51 | 0 | - | 0 | - |
| EUR/USD WKLY FRIDAY OPTION | 14,352 | 3,916 | 266.5% | 5,738 | 150.1% |
| EUR/USD WKLY FRIDAY OPTION | 3,590 | 963 | 272.8% | 3,450 | 4.1% |
| EUR/USD WKLY FRIDAY OPTION | 416 | 447 | -6.9% | 341 | 22.0% |
| EUR/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| EUR/USD WKLY WED OPTIONS - | 4,484 | 5,502 | -18.5% | 3,052 | 46.9% |
| EUR/USD WKLY WED OPTIONS - | 1,378 | 1,401 | -1.6% | 1,358 | 1.5% |
| EUR/USD WKLY WED OPTIONS - | 484 | 2 | 24,100.0% | 755 | -35.9% |
| EUR/USD WKLY WED OPTIONS - | 274 | 0 | - | 1,334 | -79.5% |
| EUR/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| EVENT CONTRACT EUR/USD | 0 | 0 | - | 0 | 0.0% |
| GBP/USD MONDAY OPTION WEE | 6 | 1,317 | -99.5% | 677 | -99.1% |
| GBP/USD MONDAY OPTION WEE | 609 | 549 | 10.9% | 793 | -23.2% |
| GBP/USD MONDAY OPTION WEE | 0 | 0 | - | 130 | -100.0% |
| GBP/USD MONDAY OPTION WEE | 0 | 4 | -100.0% | 0 | - |
| GBP/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| GBP/USD MONTHLY OPTIONS | 98,646 | 100,174 | -1.5% | 102,862 | -4.1% |
| GBP/USD THURSDAY WKLY OPT | 14 | 0 | - | 4 | 250.0% |
| GBP/USD THURSDAY WKLY OPT | 5 | 0 | - | 0 | - |
| GBP/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| GBP/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| GBP/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | 0.0% |
| GBP/USD TUESDAY WKLY OPT | 30 | 0 | - | 0 | - |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|----------------------------|---------------------------|---------------------------|----------|---------------------------|------------|
| FX Options | | | | | |
| GBP/USD TUESDAY WKLY OPT | 12 | 0 | - | 0 | - |
| GBP/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| GBP/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| GBP/USD TUESDAY WKLY OPT | 0 | 0 | - | 0 | - |
| GBP/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| GBP/USD WKLY FRIDAY OPTION | 1,895 | 1,710 | 10.8% | 2,069 | -8.4% |
| GBP/USD WKLY FRIDAY OPTION | 1,954 | 1,428 | 36.8% | 755 | 158.8% |
| GBP/USD WKLY FRIDAY OPTION | 507 | 685 | -26.0% | 536 | -5.4% |
| GBP/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| GBP/USD WKLY WED OPTIONS - | 1,074 | 1,274 | -15.7% | 258 | 316.3% |
| GBP/USD WKLY WED OPTIONS - | 167 | 137 | 21.9% | 439 | -62.0% |
| GBP/USD WKLY WED OPTIONS - | 19 | 133 | -85.7% | 42 | -54.8% |
| GBP/USD WKLY WED OPTIONS - | 0 | 0 | - | 100 | -100.0% |
| GBP/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| JPY/USD MONDAY OPTION WEE | 289 | 715 | -59.6% | 746 | -61.3% |
| JPY/USD MONDAY OPTION WEE | 439 | 38 | 1,055.3% | 601 | -27.0% |
| JPY/USD MONDAY OPTION WEE | 2 | 5 | -60.0% | 35 | -94.3% |
| JPY/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| JPY/USD MONDAY OPTION WEE | 0 | 0 | - | 0 | - |
| JPY/USD MONTHLY OPTIONS | 101,909 | 189,559 | -46.2% | 80,423 | 26.7% |
| JPY/USD THURSDAY WKLY OPT | 1,212 | 0 | - | 1 | 121,100.0% |
| JPY/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| JPY/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| JPY/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | - |
| JPY/USD THURSDAY WKLY OPT | 0 | 0 | - | 0 | 0.0% |
| JPY/USD TUESDAY WKLY OPT W | 9 | 0 | - | 0 | - |
| JPY/USD TUESDAY WKLY OPT W | 9 | 0 | - | 1,002 | -99.1% |
| JPY/USD TUESDAY WKLY OPT W | 0 | 0 | - | 0 | - |
| JPY/USD TUESDAY WKLY OPT W | 0 | 0 | - | 0 | - |
| JPY/USD TUESDAY WKLY OPT W | 0 | 0 | - | 0 | - |
| JPY/USD WKLY FRIDAY OPTION | 2 | 0 | - | 0 | - |
| JPY/USD WKLY FRIDAY OPTION | 2,192 | 2,723 | -19.5% | 3,561 | -38.4% |
| JPY/USD WKLY FRIDAY OPTION | 1,408 | 750 | 87.7% | 692 | 103.5% |
| JPY/USD WKLY FRIDAY OPTION | 4,092 | 562 | 628.1% | 527 | 676.5% |
| JPY/USD WKLY FRIDAY OPTION | 0 | 0 | 0.0% | 0 | 0.0% |
| JPY/USD WKLY WED OPTIONS - | 6,051 | 3,380 | 79.0% | 1,554 | 289.4% |
| JPY/USD WKLY WED OPTIONS - | 1,660 | 1,183 | 40.3% | 1,172 | 41.6% |
| JPY/USD WKLY WED OPTIONS - | 298 | 45 | 562.2% | 8 | 3,625.0% |
| JPY/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| JPY/USD WKLY WED OPTIONS - | 0 | 0 | - | 0 | - |
| MXN/USD MONTHLY OPTIONS | 1,507 | 3,319 | -54.6% | 262 | 475.2% |
| MXN/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| MXN/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| MXN/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| NZD/USD MONTHLY OPTIONS | 41 | 6,655 | -99.4% | 17 | 141.2% |
| NZD/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| NZD/USD WKLY FRIDAY OPTION | 0 | 0 | - | 0 | - |
| RUB/USD MONTHLY OPTIONS | 0 | 0 | - | 0 | - |
| USD/CNH MONTHLY OPTIONS | 750 | 0 | - | 750 | 0.0% |
| USD/CNH WEEKLY FRIDAY OPTI | 0 | 0 | - | 0 | - |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|-------------------------|---------------------------|---------------------------|-------|---------------------------|-------|
| FX Options | | | | | |
| ZAR/USD MONTHLY OPTIONS | 0 | 0 | - | 0 | - |

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|-----------------------------|---------------------------|---------------------------|---------|---------------------------|--------|
| Ag Products Futures | | | | | |
| BLOCK CHEESE | 1,573 | 836 | 88.2% | 1,063 | 48.0% |
| BUTTER CS | 10,062 | 10,876 | -7.5% | 8,600 | 17.0% |
| CASH-SETTLED CHEESE | 24,170 | 21,318 | 13.4% | 22,150 | 9.1% |
| CAT ASIA WEATHER | 0 | 0 | - | 0 | - |
| CATTLE | 320,046 | 252,932 | 26.5% | 345,174 | -7.3% |
| CAT WEATHER EUROPEAN | 0 | 0 | - | 0 | - |
| CDD SEASONAL STRIP | 3,900 | 6,400 | -39.1% | 3,900 | 0.0% |
| CDD WEATHER | 11,000 | 9,750 | 12.8% | 11,250 | -2.2% |
| CHI WHEAT | 317,037 | 309,976 | 2.3% | 292,139 | 8.5% |
| CLASS IV MILK | 6,040 | 14,597 | -58.6% | 5,181 | 16.6% |
| COFFEE | 0 | 0 | - | 0 | - |
| CORN | 1,304,298 | 1,325,691 | -1.6% | 1,234,388 | 5.7% |
| DJ_UBS ROLL SELECT INDEX FU | 12,432 | 10,654 | 16.7% | 12,194 | 2.0% |
| DOW-UBS COMMOD INDEX | 59,611 | 66,314 | -10.1% | 56,038 | 6.4% |
| DOW-UBS COMMOD INDEX SWA | 107,730 | 0 | - | 215,460 | -50.0% |
| DRY WHEY | 2,837 | 3,157 | -10.1% | 2,537 | 11.8% |
| FEEDER CATTLE | 57,185 | 39,181 | 46.0% | 60,144 | -4.9% |
| FERTILIZER PRODUCTS | 2,753 | 3,719 | -26.0% | 2,743 | 0.4% |
| GOLDMAN SACHS | 590 | 1,582 | -62.7% | 546 | 8.1% |
| GSCI EXCESS RETURN FUT | 35,164 | 60,428 | -41.8% | 35,454 | -0.8% |
| HDD EURO SEASONAL STRIP | 0 | 1,250 | -100.0% | 0 | - |
| HDD SEASONAL STRIP | 0 | 0 | - | 0 | - |
| HDD WEATHER | 0 | 0 | - | 0 | - |
| HDD WEATHER EUROPEAN | 0 | 0 | - | 0 | - |
| HOGS | 206,558 | 216,986 | -4.8% | 198,315 | 4.2% |
| HOUSING INDEX | 66 | 65 | 1.5% | 58 | 13.8% |
| KC WHEAT | 189,594 | 168,580 | 12.5% | 148,378 | 27.8% |
| LUMBER | 5,987 | 2,149 | 178.6% | 6,576 | -9.0% |
| MALAYSIAN PALM SWAP | 0 | 0 | - | 0 | - |
| MILK | 27,395 | 32,621 | -16.0% | 25,536 | 7.3% |
| MINI CORN | 9,547 | 15,887 | -39.9% | 8,535 | 11.9% |
| MINI SOYBEAN | 21,610 | 26,795 | -19.4% | 17,296 | 24.9% |
| MINI WHEAT | 3,456 | 3,176 | 8.8% | 1,748 | 97.7% |
| MLK MID OPTIONS | 0 | 0 | - | 0 | - |
| NFD MILK | 8,859 | 9,086 | -2.5% | 7,975 | 11.1% |
| OATS | 4,621 | 2,583 | 78.9% | 3,817 | 21.1% |
| OTC SP GSCI ER SWAP | 56,430 | 0 | - | 38,449 | 46.8% |
| PACIFIC RIM DAT SS WTHR | 0 | 0 | - | 0 | - |
| PORK CUTOUT | 756 | 1,105 | -31.6% | 682 | 10.9% |
| ROUGH RICE | 9,890 | 8,207 | 20.5% | 8,508 | 16.2% |
| SOYBEAN | 645,217 | 578,190 | 11.6% | 597,222 | 8.0% |
| SOYBEAN MEAL | 488,887 | 398,628 | 22.6% | 480,266 | 1.8% |
| SOYBEAN OIL | 473,661 | 362,067 | 30.8% | 484,634 | -2.3% |
| S&P GSCI ENHANCED ER SWAP | 0 | 0 | - | 0 | - |
| USD CRUDE PALM OIL | 45,178 | 49,899 | -9.5% | 47,965 | -5.8% |
| WHEAT | 1,835 | 2,721 | -32.6% | 1,110 | 65.3% |

Ag Products Options

| | | | | | |
|--------------------------|---|---|---|-------|---------|
| AUG-DEC SOYBEAN MEAL CSO | 0 | 0 | - | 1,200 | -100.0% |
|--------------------------|---|---|---|-------|---------|

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CME Group Exchange Open Interest Report - Monthly

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|----------------------------|---------------------------|---------------------------|----------|---------------------------|---------|
| Ag Products Options | | | | | |
| AUG-NOV SOYBEAN CAL SPRD | 0 | 0 | - | 700 | -100.0% |
| BLOCK CHEESE | 1,372 | 2,107 | -34.9% | 934 | 46.9% |
| BUTTER CS | 9,521 | 7,833 | 21.5% | 6,930 | 37.4% |
| CASH-SETTLED CHEESE | 33,313 | 35,369 | -5.8% | 27,246 | 22.3% |
| CATTLE | 302,631 | 214,220 | 41.3% | 273,925 | 10.5% |
| CDD SEASONAL STRIP | 82,200 | 20,000 | 311.0% | 82,200 | 0.0% |
| CDD WEATHER | 60,000 | 0 | - | 74,500 | -19.5% |
| CHI WHEAT | 289,317 | 355,570 | -18.6% | 216,584 | 33.6% |
| CLASS IV MILK | 32,595 | 34,397 | -5.2% | 22,488 | 44.9% |
| CORN | 1,633,639 | 1,807,097 | -9.6% | 1,665,987 | -1.9% |
| CORN NEARBY+2 CAL SPRD | 18,246 | 15,242 | 19.7% | 13,089 | 39.4% |
| DEC-DEC CORN CAL SPRD | 2,545 | 0 | - | 2,397 | 6.2% |
| DEC-JULY CORN CAL SPRD | 11,312 | 5,389 | 109.9% | 10,667 | 6.0% |
| DEC-JULY WHEAT CAL SPRD | 80 | 0 | - | 80 | 0.0% |
| DRY WHEY | 20 | 2,957 | -99.3% | 20 | 0.0% |
| FEEDER CATTLE | 74,962 | 46,417 | 61.5% | 66,791 | 12.2% |
| HDD EURO SEASONAL STRIP | 23,000 | 2,500 | 820.0% | 22,000 | 4.5% |
| HDD SEASONAL STRIP | 29,500 | 0 | - | 15,000 | 96.7% |
| HDD WEATHER | 0 | 0 | - | 0 | - |
| HDD WEATHER EUROPEAN | 0 | 0 | - | 0 | - |
| HOGS | 336,127 | 234,250 | 43.5% | 327,973 | 2.5% |
| Intercommodity Spread | 0 | 0 | - | 0 | - |
| JAN-MAY SOYBEAN CAL SPRD | 0 | 0 | - | 0 | - |
| JULY-DEC CORN CAL SPRD | 774 | 6,350 | -87.8% | 0 | - |
| JULY-DEC SOYMEAL CAL SPRD | 0 | 0 | - | 0 | - |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | - | 0 | - |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | - | 0 | - |
| JULY-JULY WHEAT CAL SPRD | 0 | 0 | - | 0 | - |
| JULY-NOV SOYBEAN CAL SPRD | 0 | 0 | - | 0 | - |
| KC WHEAT | 47,062 | 56,834 | -17.2% | 39,387 | 19.5% |
| LUMBER | 143 | 262 | -45.4% | 47 | 204.3% |
| LV CATL CSO | 0 | 0 | - | 0 | - |
| MAR-DEC CORN CAL SPRD | 0 | 0 | - | 0 | - |
| MAR-JULY CORN CAL SPRD | 3,050 | 0 | - | 2,350 | 29.8% |
| MAR-JULY SOYBEAN CAL SPRD | 0 | 0 | - | 0 | - |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | - | 0 | - |
| MILK | 88,791 | 105,667 | -16.0% | 75,066 | 18.3% |
| MLK MID OPTIONS | 10 | 22 | -54.5% | 6 | 66.7% |
| NFD MILK | 13,557 | 12,605 | 7.6% | 10,985 | 23.4% |
| NOV-JULY SOYBEAN CAL SPRD | 200 | 300 | -33.3% | 200 | 0.0% |
| NOV-MAR SOYBEAN CSO | 15 | 0 | - | 15 | 0.0% |
| OATS | 499 | 539 | -7.4% | 240 | 107.9% |
| PORK CUTOUT | 4 | 0 | - | 0 | - |
| ROUGH RICE | 3,225 | 3,284 | -1.8% | 2,679 | 20.4% |
| SEP-DEC SOYBEAN MEAL CSO | 1,050 | 0 | - | 0 | - |
| SOYBEAN | 683,029 | 569,942 | 19.8% | 628,411 | 8.7% |
| SOYBEAN CRUSH | 0 | 41 | -100.0% | 0 | - |
| SOYBEAN MEAL | 148,690 | 151,273 | -1.7% | 143,597 | 3.5% |
| SOYBEAN OIL | 187,430 | 173,890 | 7.8% | 210,228 | -10.8% |
| SOYBN NEARBY+2 CAL SPRD | 4,451 | 190 | 2,242.6% | 13,500 | -67.0% |

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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CME Group Exchange Open Interest Report - Monthly

| | Open Interest JUL 2023 | Open Interest JUL 2022 | % CHG | Open Interest JUN 2023 | % CHG |
|----------------------------|---------------------------|---------------------------|--------------|---------------------------|-------------|
| Ag Products Options | | | | | |
| SOYMEAL NEARBY+2 CAL SPRD | 0 | 0 | - | 0 | - |
| SOY OIL NEARBY+2 CAL SPRD | 0 | 0 | - | 0 | - |
| WHEAT | 329 | 400 | -17.8% | 157 | 109.6% |
| WHEAT-CORN ICSD | 20 | 2,000 | -99.0% | 20 | 0.0% |
| WHEAT NEARBY+2 CAL SPRD | 810 | 4,863 | -83.3% | 300 | 170.0% |
| TOTAL FUTURES GROUP | | | | | |
| Interest Rate Futures | 31,495,778 | 32,221,395 | -2.3% | 30,342,436 | 3.8% |
| Equity Index Futures | 4,677,697 | 4,551,944 | 2.8% | 4,486,845 | 4.3% |
| Metals Futures | 1,082,267 | 1,015,000 | 6.6% | 993,980 | 8.9% |
| Energy Futures | 6,483,444 | 6,083,325 | 6.6% | 6,576,934 | -1.4% |
| FX Futures | 2,062,083 | 1,968,062 | 4.8% | 2,051,057 | 0.5% |
| Ag Products Futures | 4,475,975 | 4,017,406 | 11.4% | 4,386,031 | 2.1% |
| TOTAL FUTURES | 50,277,244 | 49,857,132 | 0.8% | 48,837,283 | 2.9% |
| TOTAL OPTIONS GROUP | | | | | |
| Interest Rate Options | 39,437,188 | 41,863,455 | -5.8% | 37,965,018 | 3.9% |
| Equity Index Options | 5,327,518 | 4,767,992 | 11.7% | 5,268,331 | 1.1% |
| Metals Options | 1,002,971 | 1,058,585 | -5.3% | 1,003,799 | -0.1% |
| Energy Options | 6,349,842 | 6,429,420 | -1.2% | 6,436,631 | -1.3% |
| FX Options | 730,147 | 986,913 | -26.0% | 738,199 | -1.1% |
| Ag Products Options | 4,123,519 | 3,871,810 | 6.5% | 3,957,899 | 4.2% |
| TOTAL OPTIONS | 56,971,185 | 58,978,175 | -3.4% | 55,369,877 | 2.9% |
| TOTAL COMBINED | | | | | |
| Interest Rate | 70,932,966 | 74,084,850 | -4.3% | 68,307,454 | 3.8% |
| Equity Index | 10,005,215 | 9,319,936 | 7.4% | 9,755,176 | 2.6% |
| Metals | 2,085,238 | 2,073,585 | 0.6% | 1,997,779 | 4.4% |
| Energy | 12,833,286 | 12,512,745 | 2.6% | 13,013,565 | -1.4% |
| FX | 2,792,230 | 2,954,975 | -5.5% | 2,789,256 | 0.1% |
| Ag Products | 8,599,494 | 7,889,216 | 9.0% | 8,343,930 | 3.1% |
| GRAND TOTAL | 107,248,429 | 108,835,307 | -1.5% | 104,207,160 | 2.9% |

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