

CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|--------------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 10-YR Eris LIBOR | 0 | 0 | 0.0% | 40 | 2,705 | -98.52% | 0 | 0 | 0.0% | 4,082 | 21,171 | -80.7% |
| 10-YR Eris SOFR | 0 | 0 | 0.0% | 2,482 | 0 | 0.00% | 0 | 0 | 0.0% | 5,000 | 100 | 4,900.0% |
| 10-YR MAC LIBOR | 0 | 0 | 0.0% | 3,335 | 7,626 | -56.27% | 0 | 0 | 0.0% | 25,559 | 95,744 | -73.3% |
| 10-YR MAC SOFR | 0 | - | - | 0 | - | | 0 | - | - | 18 | - | - |
| 10-YR NOTE | 0 | 0 | 0.0% | 51,418,807 | 46,613,275 | 10.31% | 0 | 0 | 0.0% | 204,487,771 | 207,440,158 | -1.4% |
| 10Y YIELD | 0 | 0 | 0.0% | 85,482 | 62,443 | 36.90% | 0 | 0 | 0.0% | 419,882 | 534,292 | -21.4% |
| 15-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 0 | 170 | -100.00% | 0 | 0 | 0.0% | 6 | 227 | -97.4% |
| 1-YR Eris BSBY | 0 | 0 | 0.0% | 0 | 400 | -100.00% | 0 | 0 | 0.0% | 0 | 700 | -100.0% |
| 1-YR Eris SOFR | 0 | 0 | 0.0% | 4,926 | 13,571 | -63.70% | 0 | 0 | 0.0% | 22,234 | 149,939 | -85.2% |
| 20-YR BOND | 0 | 0 | 0.0% | 508 | 4,199 | -87.90% | 0 | 0 | 0.0% | 3,178 | 17,886 | -82.2% |
| 20-YR Eris LIBOR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| 2-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 8,063 | -100.00% | 0 | 0 | 0.0% | 4,517 | 51,894 | -91.3% |
| 2-YR Eris SOFR | 0 | 0 | 0.0% | 4,517 | 8,518 | -46.97% | 0 | 0 | 0.0% | 17,552 | 66,071 | -73.4% |
| 2-YR NOTE | 0 | 0 | 0.0% | 22,829,531 | 19,260,262 | 18.53% | 0 | 0 | 0.0% | 78,829,433 | 71,011,808 | 11.0% |
| 2Y YIELD | 0 | 0 | 0.0% | 5,238 | 7,153 | -26.77% | 0 | 0 | 0.0% | 38,504 | 39,002 | -1.3% |
| 30-Year UMBS TBA Futures - 2.5 | 0 | - | - | 484 | - | | 0 | - | - | 786 | - | - |
| 30-Year UMBS TBA Futures - 3.0 | 0 | - | - | 46 | - | | 0 | - | - | 823 | - | - |
| 30-Year UMBS TBA Futures - 3.5 | 0 | - | - | 594 | - | | 0 | - | - | 1,519 | - | - |
| 30-Year UMBS TBA Futures - 4.0 | 0 | - | - | 719 | - | | 0 | - | - | 1,264 | - | - |
| 30-Year UMBS TBA Futures - 4.5 | 0 | - | - | 2,687 | - | | 0 | - | - | 3,688 | - | - |
| 30-Year UMBS TBA Futures - 5.0 | 0 | - | - | 1,852 | - | | 0 | - | - | 2,869 | - | - |
| 30-Year UMBS TBA Futures - 5.5 | 0 | - | - | 710 | - | | 0 | - | - | 1,448 | - | - |
| 30-Year UMBS TBA Futures - 6.0 | 0 | - | - | 650 | - | | 0 | - | - | 1,322 | - | - |
| 30-YR BOND | 0 | 0 | 0.0% | 10,081,357 | 10,697,232 | -5.76% | 0 | 0 | 0.0% | 40,406,919 | 43,668,225 | -7.5% |
| 30-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 185 | -100.0% |
| 30-YR MAC LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 304 | -100.0% |
| 30Y YIELD | 0 | 0 | 0.0% | 755 | 14,667 | -94.85% | 0 | 0 | 0.0% | 5,394 | 57,904 | -90.7% |
| 3-YR Eris BSBY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 4 | -100.0% |
| 3-YR Eris LIBOR | 0 | 0 | 0.0% | 68 | 2,130 | -96.81% | 0 | 0 | 0.0% | 3,771 | 39,319 | -90.4% |
| 3-YR Eris SOFR | 0 | 0 | 0.0% | 2,408 | 2,737 | -12.02% | 0 | 0 | 0.0% | 9,725 | 17,523 | -44.5% |
| 3-YR NOTE | 0 | 0 | 0.0% | 154,314 | 319,488 | -51.70% | 0 | 0 | 0.0% | 624,046 | 1,698,043 | -63.2% |
| 4-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 1,734 | -100.00% | 0 | 0 | 0.0% | 1,140 | 22,254 | -94.9% |

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|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|-----------|------------------------------|------------------------------|----------|--------------------|-----------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 4-YR Eris SOFR | 0 | 0 | 0.0% | 1,473 | 601 | 145.09% | 0 | 0 | 0.0% | 3,400 | 3,101 | 9.6% |
| 5-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 10,727 | -100.00% | 0 | 0 | 0.0% | 21,264 | 122,091 | -82.6% |
| 5-YR Eris SOFR | 0 | 0 | 0.0% | 12,472 | 3,821 | 226.41% | 0 | 0 | 0.0% | 40,501 | 11,588 | 249.5% |
| 5-YR MAC LIBOR | 0 | 0 | 0.0% | 68 | 15,910 | -99.57% | 0 | 0 | 0.0% | 39,600 | 145,569 | -72.8% |
| 5-YR MAC SOFR | 0 | - | - | 4 | - | | 0 | - | - | 92 | - | - |
| 5-YR NOTE | 0 | 0 | 0.0% | 43,131,575 | 36,080,590 | 19.54% | 0 | 0 | 0.0% | 154,168,811 | 144,865,300 | 6.4% |
| 5Y YIELD | 0 | 0 | 0.0% | 41 | 1,394 | -97.06% | 0 | 0 | 0.0% | 906 | 11,955 | -92.4% |
| 7-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 2,113 | -100.00% | 0 | 0 | 0.0% | 2,242 | 14,429 | -84.5% |
| 7-YR Eris SOFR | 0 | 0 | 0.0% | 1,887 | 150 | 1,158.00% | 0 | 0 | 0.0% | 2,922 | 150 | 1,848.0% |
| BSBY 3-MONTH FUTURES | 0 | 0 | 0.0% | 3,235 | 59,866 | -94.60% | 0 | 0 | 0.0% | 27,412 | 422,570 | -93.5% |
| ESTR Basis Spread Futures | 0 | - | - | 178 | - | | 0 | - | - | 4,846 | - | - |
| ESTR Futures | 0 | - | - | 44,247 | - | | 0 | - | - | 177,484 | - | - |
| EURODOLLARS | 100 | 318,838 | -100.0% | 504,689 | 30,472,977 | -98.34% | 256,840 | 3,474,839 | -92.6% | 27,670,851 | 228,570,994 | -87.9% |
| FED FUND | 0 | 0 | 0.0% | 11,874,764 | 5,362,936 | 121.42% | 0 | 0 | 0.0% | 56,555,244 | 36,095,118 | 56.7% |
| FTIIE | 0 | 0 | 0.0% | 80 | 23 | 247.83% | 0 | 0 | 0.0% | 1,183 | 466 | 153.9% |
| SOFR | 509,362 | 17,887 | 2,747.7% | 72,510,557 | 30,820,084 | 135.27% | 4,135,355 | 68,587 | 5,929.4% | 354,480,365 | 132,644,567 | 167.2% |
| SONIA | 0 | 0 | 0.0% | 10 | 0 | 0.00% | 0 | 0 | 0.0% | 178 | 1,046 | -83.0% |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 12,648,903 | 9,795,042 | 29.14% | 0 | 0 | 0.0% | 46,488,878 | 43,001,738 | 8.1% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 8,417,002 | 7,341,717 | 14.65% | 0 | 0 | 0.0% | 27,608,614 | 25,248,502 | 9.3% |

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|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|-----------|------------------------------|------------------------------|----------|--------------------|-----------------------|----------|
| Interest Rate Options | | | | | | | | | | | | |
| 10-YR NOTE | 0 | 0 | 0.0% | 13,036,192 | 12,161,947 | 7.19% | 0 | 0 | 0.0% | 72,100,610 | 67,523,128 | 6.8% |
| 2-YR NOTE | 0 | 0 | 0.0% | 617,460 | 18,178 | 3,296.74% | 0 | 0 | 0.0% | 2,121,923 | 110,010 | 1,828.8% |
| 30-YR BOND | 0 | 0 | 0.0% | 2,919,200 | 2,696,988 | 8.24% | 0 | 0 | 0.0% | 12,654,724 | 12,713,435 | -0.5% |
| 5-YR NOTE | 0 | 0 | 0.0% | 7,081,359 | 4,330,371 | 63.53% | 0 | 0 | 0.0% | 32,942,276 | 26,160,719 | 25.9% |
| EURODOLLARS | 106,280 | 6,918,416 | -98.5% | 486,192 | 2,655,028 | -81.69% | 1,876,670 | 49,756,298 | -96.2% | 7,075,289 | 19,961,303 | -64.6% |
| EURO MIDCURVE | 0 | 4,275,541 | -100.0% | 0 | 2,213,365 | -100.00% | 396,228 | 31,998,044 | -98.8% | 201,525 | 16,190,922 | -98.8% |
| FED FUND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2 | 42 | -95.2% |
| SOFR | 23,851,073 | 2,017,626 | 1,082.1% | 9,093,557 | 525,919 | 1,629.08% | 118,606,546 | 3,561,092 | 3,230.6% | 46,319,549 | 756,908 | 6,019.6% |
| SOFR MIDCURVE | 2,988,065 | 549,852 | 443.4% | 1,049,472 | 90,411 | 1,060.78% | 22,694,970 | 1,669,393 | 1,259.5% | 8,650,916 | 362,485 | 2,286.6% |
| SOFR MISCURVE | 0 | - | - | 0 | - | - | 0 | - | - | 700 | - | - |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 3,076 | 193 | 1,493.78% | 0 | 0 | 0.0% | 3,883 | 741 | 424.0% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 5,721 | 2,165 | 164.25% | 0 | 0 | 0.0% | 10,604 | 15,839 | -33.1% |
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN | 0 | 0 | 0.0% | 200,452 | 240,374 | -16.61% | 0 | 0 | 0.0% | 1,007,009 | 899,427 | 12.0% |
| DJ US REAL ESTATE SECTOR | 0 | 0 | 0.0% | 21,282 | 28,892 | -26.34% | 0 | 0 | 0.0% | 137,297 | 165,526 | -17.1% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 3,639,804 | 4,265,315 | -14.67% | 0 | 0 | 0.0% | 18,476,547 | 22,879,833 | -19.2% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 0 | 417 | -100.00% | 0 | 0 | 0.0% | 44 | 6,087 | -99.3% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 259,547 | 275,047 | -5.64% | 0 | 0 | 0.0% | 1,367,564 | 1,677,588 | -18.5% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 14,309,612 | 15,645,484 | -8.54% | 0 | 0 | 0.0% | 68,346,854 | 73,695,661 | -7.3% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 936 | 2,510 | -62.71% | 0 | 0 | 0.0% | 8,372 | 15,469 | -45.9% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 2,003 | 2,943 | -31.94% | 0 | 0 | 0.0% | 8,964 | 26,479 | -66.1% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 2,253 | 4,533 | -50.30% | 0 | 0 | 0.0% | 17,575 | 33,835 | -48.1% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 4,554,181 | 4,925,297 | -7.53% | 0 | 0 | 0.0% | 22,151,674 | 25,239,084 | -12.2% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 35,395,685 | 42,178,038 | -16.08% | 0 | 0 | 0.0% | 189,642,854 | 194,450,907 | -2.5% |
| E-MINI S&P500 ESG | 0 | 0 | 0.0% | 11,733 | 11,906 | -1.45% | 0 | 0 | 0.0% | 88,397 | 139,497 | -36.6% |
| ETHER | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| ETHER FUTURES | 0 | 0 | 0.0% | 87,250 | 136,058 | -35.87% | 0 | 0 | 0.0% | 557,417 | 540,329 | 3.2% |
| FT-SE 100 | 0 | 0 | 0.0% | 180 | 245 | -26.53% | 0 | 0 | 0.0% | 355 | 1,137 | -68.8% |
| FTSE Emerging | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 74 | 54 | 37.04% | 0 | 0 | 0.0% | 206 | 340 | -39.4% |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| MICRO BITCOIN | 0 | 0 | 0.0% | 210,821 | 473,453 | -55.47% | 0 | 0 | 0.0% | 1,069,941 | 2,002,604 | -46.6% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 20,140,806 | 36,898,456 | -45.42% | 0 | 0 | 0.0% | 109,318,949 | 162,683,834 | -32.8% |
| MICRO E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 1,771,141 | 3,759,964 | -52.89% | 0 | 0 | 0.0% | 8,558,254 | 16,863,431 | -49.2% |
| MICRO E-MINI S&P500 | 0 | 0 | 0.0% | 20,503,731 | 32,902,509 | -37.68% | 0 | 0 | 0.0% | 117,844,524 | 141,190,858 | -16.5% |
| MICRO ETHER | 0 | 0 | 0.0% | 168,584 | 546,231 | -69.14% | 0 | 0 | 0.0% | 1,058,222 | 2,122,115 | -50.1% |
| MICRO MINI \$5 DOW | 0 | 0 | 0.0% | 2,482,208 | 4,583,217 | -45.84% | 0 | 0 | 0.0% | 13,583,014 | 22,305,451 | -39.1% |
| NASDAQ-100 VOLATILITY | 0 | 0 | 0.0% | 1 | 2,791 | -99.96% | 0 | 0 | 0.0% | 3,203 | 16,936 | -81.1% |
| NASDAQ BIOTECH SECTOR | 0 | 0 | 0.0% | 0 | 53 | -100.00% | 0 | 0 | 0.0% | 745 | 631 | 18.1% |
| Nearby BTIC+ | 0 | 0 | 0.0% | 0 | 250 | -100.00% | 0 | 0 | 0.0% | 0 | 2,600 | -100.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 136,487 | 114,518 | 19.18% | 0 | 0 | 0.0% | 509,567 | 633,260 | -19.5% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 670,175 | 750,606 | -10.72% | 0 | 0 | 0.0% | 2,855,417 | 4,167,581 | -31.5% |
| PHLX SEMICONDUCTOR SECT | 0 | - | - | 489 | - | | 0 | - | - | 1,780 | - | - |
| S&P 500 | 0 | 0 | 0.0% | 1,844 | 1,336 | 38.02% | 0 | 0 | 0.0% | 14,259 | 1,746 | 716.7% |
| S&P 500 ANNUAL DIVIDEND IN | 0 | 0 | 0.0% | 34,839 | 41,694 | -16.44% | 0 | 0 | 0.0% | 152,166 | 160,602 | -5.3% |
| S&P 500 QUARLY DIVIDEND IN | 0 | 0 | 0.0% | 12,399 | 2,344 | 428.97% | 0 | 0 | 0.0% | 55,094 | 3,271 | 1,584.3% |
| S&P BIOTECHNOLOGY SECTO | 0 | - | - | 570 | - | | 0 | - | - | 3,508 | - | - |
| S&P COMMUNICATION SERVIC | 0 | 0 | 0.0% | 2,166 | 3,368 | -35.69% | 0 | 0 | 0.0% | 14,044 | 15,482 | -9.3% |
| S&P CONSUMER DISCRETION | 0 | 0 | 0.0% | 4,918 | 4,060 | 21.13% | 0 | 0 | 0.0% | 24,647 | 34,487 | -28.5% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 11,568 | 18,211 | -36.48% | 0 | 0 | 0.0% | 70,868 | 73,459 | -3.5% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 16,865 | 34,025 | -50.43% | 0 | 0 | 0.0% | 117,311 | 198,625 | -40.9% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 13,613 | 21,823 | -37.62% | 0 | 0 | 0.0% | 91,252 | 117,122 | -22.1% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 7,314 | 20,110 | -63.63% | 0 | 0 | 0.0% | 56,853 | 92,124 | -38.3% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 7,458 | 11,867 | -37.15% | 0 | 0 | 0.0% | 48,176 | 64,332 | -25.1% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 5,593 | 8,503 | -34.22% | 0 | 0 | 0.0% | 37,586 | 36,415 | 3.2% |
| S&P OIL & GAS EXPLORATION | 0 | - | - | 115 | - | | 0 | - | - | 1,053 | - | - |
| S&P REAL ESTATE SECTOR | 0 | 0 | 0.0% | 1,574 | 2,449 | -35.73% | 0 | 0 | 0.0% | 21,945 | 18,005 | 21.9% |
| S&P REGIONAL BANKS SECTO | 0 | - | - | 1,233 | - | | 0 | - | - | 4,825 | - | - |
| S&P RETAIL SECTOR | 0 | - | - | 144 | - | | 0 | - | - | 1,555 | - | - |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 5,574 | 15,059 | -62.99% | 0 | 0 | 0.0% | 51,955 | 97,042 | -46.5% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 11,704 | 17,127 | -31.66% | 0 | 0 | 0.0% | 78,767 | 85,243 | -7.6% |
| S&P VALUE INDEX FUTURES | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| TOPIX (USD) | 0 | - | - | 30 | - | | 0 | - | - | 169 | - | - |
| TOPIX (YEN) | 0 | 0 | 0.0% | 149 | 100 | 49.00% | 0 | 0 | 0.0% | 1,132 | 15,268 | -92.6% |
| WATER INDEX FUTURES | 0 | 0 | 0.0% | 19 | 66 | -71.21% | 0 | 0 | 0.0% | 103 | 546 | -81.1% |

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| Equity Index Options | | | | | | | | | | | | |
| BITCOIN OPTIONS | 0 | 0 | 0.0% | 2,543 | 2,457 | 3.50% | 0 | 0 | 0.0% | 13,598 | 6,501 | 109.2% |
| DJIA | 0 | - | - | 5,882 | - | | 0 | - | - | 40,212 | - | - |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 695 | 1,900 | -63.42% | 0 | 0 | 0.0% | 4,829 | 11,604 | -58.4% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 1,399,373 | 1,513,168 | -7.52% | 0 | 0 | 0.0% | 5,588,686 | 4,917,421 | 13.7% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 200,197 | 153,370 | 30.53% | 0 | 0 | 0.0% | 746,462 | 796,301 | -6.3% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 24,238,280 | 23,083,730 | 5.00% | 0 | 0 | 0.0% | 115,868,878 | 108,484,149 | 6.8% |
| EOM S&P 500 | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ETHER OPTIONS | 0 | - | - | 1,334 | - | | 0 | - | - | 3,990 | - | - |
| EVENT CONTRACT S&P 500 | 0 | - | - | 10,206 | - | | 0 | - | - | 24,708 | - | - |
| MICRO BITCOIN | 0 | 0 | 0.0% | 7,810 | 8,534 | -8.48% | 0 | 0 | 0.0% | 38,340 | 12,207 | 214.1% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 56,900 | 59,126 | -3.76% | 0 | 0 | 0.0% | 269,023 | 326,345 | -17.6% |
| Micro E-mini S&P 500 | 0 | 0 | 0.0% | 220,568 | 228,475 | -3.46% | 0 | 0 | 0.0% | 1,243,559 | 1,250,871 | -0.6% |
| MICRO ETHER | 0 | 0 | 0.0% | 42,643 | 6,554 | 550.64% | 0 | 0 | 0.0% | 82,015 | 9,224 | 789.1% |
| S&P 500 | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Metals Futures | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 87,742 | 35,046 | 150.36% | 0 | 0 | 0.0% | 367,760 | 88,283 | 316.6% |
| COBALT METAL FUTURES | 0 | 0 | 0.0% | 6 | 0 | 0.00% | 0 | 0 | 0.0% | 314 | 11 | 2,754.5% |
| COMEX COPPER | 0 | 0 | 0.0% | 1,918,522 | 1,337,849 | 43.40% | 0 | 0 | 0.0% | 10,757,425 | 8,301,518 | 29.6% |
| COMEX E-Mini GOLD | 0 | 0 | 0.0% | 35,675 | 34,446 | 3.57% | 0 | 0 | 0.0% | 209,819 | 161,148 | 30.2% |
| COMEX E-Mini SILVER | 0 | 0 | 0.0% | 6,172 | 3,709 | 66.41% | 0 | 0 | 0.0% | 33,859 | 20,852 | 62.4% |
| COMEX GOLD | 0 | 0 | 0.0% | 6,006,442 | 4,810,571 | 24.86% | 0 | 0 | 0.0% | 25,459,787 | 24,054,631 | 5.8% |
| COMEX MINY COPPER | 0 | 0 | 0.0% | 6,294 | 3,014 | 108.83% | 0 | 0 | 0.0% | 30,990 | 18,153 | 70.7% |
| COMEX SILVER | 0 | 0 | 0.0% | 1,421,761 | 1,182,851 | 20.20% | 0 | 0 | 0.0% | 7,467,746 | 6,894,511 | 8.3% |
| COPPER | 0 | 0 | 0.0% | 111,840 | 42,917 | 160.60% | 0 | 0 | 0.0% | 560,029 | 42,917 | 1,204.9% |
| FERROUS PRODUCTS | 0 | 0 | 0.0% | 361 | 343 | 5.25% | 0 | 0 | 0.0% | 1,622 | 2,713 | -40.2% |
| GOLD | 0 | 0 | 0.0% | 985 | 718 | 37.19% | 0 | 0 | 0.0% | 3,825 | 49,962 | -92.3% |
| HOT ROLLED COIL STEEL FUT | 0 | 0 | 0.0% | 1,289 | 763 | 68.94% | 0 | 0 | 0.0% | 7,909 | 3,337 | 137.0% |
| IRON ORE CHINA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| METALS | 0 | 0 | 0.0% | 0 | 24 | -100.00% | 0 | 0 | 0.0% | 103 | 51 | 102.0% |
| MICRO GOLD | 0 | 0 | 0.0% | 1,924,257 | 988,435 | 94.68% | 0 | 0 | 0.0% | 7,771,354 | 5,964,365 | 30.3% |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 7,616 | 3,963 | 92.18% | 0 | 0 | 0.0% | 42,093 | 24,184 | 74.1% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 401,023 | 330,849 | 21.21% | 0 | 0 | 0.0% | 2,166,539 | 1,970,883 | 9.9% |
| PALLADIUM | 0 | 0 | 0.0% | 90,096 | 51,282 | 75.69% | 0 | 0 | 0.0% | 318,987 | 249,637 | 27.8% |
| SILVER | 0 | 0 | 0.0% | 245,426 | 165,072 | 48.68% | 0 | 0 | 0.0% | 1,154,901 | 883,848 | 30.7% |
| URANIUM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 24 | -100.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Metals Options | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 585 | 0 | 0.00% | 0 | 0 | 0.0% | 2,225 | 0 | 0.0% |
| COMEX COPPER | 0 | 0 | 0.0% | 75,981 | 57,469 | 32.21% | 0 | 0 | 0.0% | 507,865 | 276,104 | 83.9% |
| COMEX GOLD | 0 | 0 | 0.0% | 1,053,041 | 762,803 | 38.05% | 0 | 0 | 0.0% | 4,830,682 | 4,014,010 | 20.3% |
| COMEX SILVER | 0 | 0 | 0.0% | 159,476 | 122,101 | 30.61% | 0 | 0 | 0.0% | 787,549 | 532,449 | 47.9% |
| COPPER | 0 | 0 | 0.0% | 6,332 | 665 | 852.18% | 0 | 0 | 0.0% | 48,194 | 2,371 | 1,932.6% |
| GOLD | 0 | 0 | 0.0% | 317,036 | 180,490 | 75.65% | 0 | 0 | 0.0% | 1,447,527 | 1,030,277 | 40.5% |
| IRON ORE CHINA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 10 | 0 | 0.0% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 6,253 | 695 | 799.71% | 0 | 0 | 0.0% | 18,084 | 2,908 | 521.9% |
| PALLADIUM | 0 | 0 | 0.0% | 1,227 | 7 | 17,428.57% | 0 | 0 | 0.0% | 3,307 | 97 | 3,309.3% |
| SILVER | 0 | 0 | 0.0% | 41,123 | 15,443 | 166.29% | 0 | 0 | 0.0% | 188,353 | 91,578 | 105.7% |
| Energy Futures | | | | | | | | | | | | |
| AEP-DAYTON HUB DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ARGUS LLS VS. WTI (ARG) T | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ARGUS PROPAN FAR EST IND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ARGUS PROPAN(SAUDI ARAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT BALMO SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT FINANCIAL FUTURES | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT OIL LAST DAY | 0 | 0 | 0.0% | 1,183,035 | 1,188,940 | -0.50% | 0 | 0 | 0.0% | 5,678,612 | 7,977,078 | -28.8% |
| CAR VINTAGE | 0 | 0 | 0.0% | 11,304 | 5,176 | 118.39% | 0 | 0 | 0.0% | 53,935 | 18,635 | 189.4% |
| CHICAGO ETHANOL SWAP | 0 | 0 | 0.0% | 77 | 13 | 492.31% | 0 | 0 | 0.0% | 684 | 905 | -24.4% |
| CHICAGO ULSD PL VS HO SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHICAGO UNL GAS PL VS RBO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY NATURAL GASOLINE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY NORMAL BUTANE (O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY PROPANE 5 DECIMA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL LAST DAY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 235 | 0 | 0.00% | 0 | 0 | 0.0% | 983 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 18,995,706 | 15,841,121 | 19.91% | 0 | 0 | 0.0% | 90,552,380 | 106,515,593 | -15.0% |
| CRUDE OIL SPRDS | 0 | 0 | 0.0% | 170 | 0 | 0.00% | 0 | 0 | 0.0% | 612 | 0 | 0.0% |
| CRUDE OIL TRADE AT MARKE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DATED TO FRONTLINE BRENT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DIESEL 10P BRG FOB RDM VS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DOMINION TRANSMISSION INC | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DUBAI CRUDE OIL CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DUTCH TTF NATURAL GAS CA | 0 | 0 | 0.0% | 7,704 | 487 | 1,481.93% | 0 | 0 | 0.0% | 12,931 | 10,640 | 21.5% |
| EAST/WEST FUEL OIL SPREAD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EIA FLAT TAX ONHWAY DIESE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC FINSETTLED | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ELECTRICITY OFF PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EMMISSIONS | 0 | 0 | 0.0% | 3,532 | 842 | 319.48% | 0 | 0 | 0.0% | 11,198 | 2,053 | 445.4% |
| ETHANOL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL T2 FOB ROTT INCL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO 3.5% FUEL OIL RDAM B | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO GASOIL 10 CAL SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| EURO GASOIL 10PPM VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 1% FUEL OIL NWE CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 3.5% FUEL OIL MED | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUROPE 3.5% FUEL OIL RDAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPEAN GASOIL (ICE) | 0 | 0 | 0.0% | 14 | 664 | -97.89% | 0 | 0 | 0.0% | 237 | 1,496 | -84.2% |
| EUROPEAN NAPHTHA BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPEAN NAPHTHA CRACK S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE DATED BRENT SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE JET KERO NWE CALS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUROPE NAPHTHA CALSWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO PROPANE CIF ARA SW | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FREIGHT MARKETS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL CRACK VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL NWE CRACK VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUELOIL SWAP:CARGOES VS. | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| GAS EURO-BOB OXY NWE BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GAS EURO-BOB OXY NWE BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 RDAM BRGS VS I | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 ROTTERDAM BAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 10PPM VS ICE SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| GASOIL CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL CRACK SPREAD CALE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL MINI CALENDAR SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GERMAN POWER BASELOAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GRP THREE ULSD(PLT)VS HEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GRP THREE UNL GS (PLT) VS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST 3% FUEL OIL BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST JET FUEL CLNDR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GULF COAST JET VS NYM 2 H | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST NO.6 FUEL OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST ULSD CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST ULSD CRACK SP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL BALMO CLNDR S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL CRCK SPRD BAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL PHY | 0 | 0 | 0.0% | 2,662,241 | 2,856,768 | -6.81% | 0 | 0 | 0.0% | 14,855,413 | 17,001,208 | -12.6% |
| HENRY HUB SWAP | 0 | 0 | 0.0% | 30 | 2 | 1,400.00% | 0 | 0 | 0.0% | 176 | 1,238 | -85.8% |
| HOUSTON SHIP CHANNEL BAS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HTG OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ICE BRENT DUBAI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ICE GASOIL BALMO SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| INDIANA MISO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| INDONESIAN COAL ICI4 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN C&F NAPHTHA CRACK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN C&F NAPHTHA SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN NAPHTHA BALMO SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET CIF NWE VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET FUEL UP-DOWN BALMO C | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JKM LNG Futures | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| LA CARB DIESEL (OPIS) SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA CARBOB GASOLINE(OPIS)S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA JET (OPIS) SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LLS (ARGUS) CALENDAR SWA | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| LLS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LTD NAT GAS | 0 | 0 | 0.0% | 261,416 | 249,143 | 4.93% | 0 | 0 | 0.0% | 1,277,385 | 1,282,911 | -0.4% |
| MARS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MARS (ARGUS) VS WTI TRD M | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 444 | 660 | -32.73% | 0 | 0 | 0.0% | 1,560 | 4,084 | -61.8% |
| MCCLOSKEY RCH BAY COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MGN1 SWAP FUT | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MINI GAS EUROBOB OXY NWE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINI RBOB V. EBOBARG NWE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINI RBOB V. EBOB(ARGUS) N | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINY HTG OIL | 0 | 0 | 0.0% | 10 | 5 | 100.00% | 0 | 0 | 0.0% | 54 | 38 | 42.1% |
| MINY NATURAL GAS | 0 | 0 | 0.0% | 169,967 | 432,558 | -60.71% | 0 | 0 | 0.0% | 1,365,973 | 1,537,054 | -11.1% |
| MINY RBOB GAS | 0 | 0 | 0.0% | 7 | 8 | -12.50% | 0 | 0 | 0.0% | 55 | 46 | 19.6% |
| MINY WTI CRUDE OIL | 0 | 0 | 0.0% | 366,925 | 513,591 | -28.56% | 0 | 0 | 0.0% | 1,669,272 | 3,235,117 | -48.4% |
| MJC FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MNC FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU ETHANE 5 DEC | 0 | 0 | 0.0% | 0 | 90 | -100.00% | 0 | 0 | 0.0% | 0 | 235 | -100.0% |
| MONT BELVIEU ETHANE OPIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU LDH PROPANE | 0 | 0 | 0.0% | 12 | 41 | -70.73% | 0 | 0 | 0.0% | 123 | 99 | 24.2% |
| MONT BELVIEU LDH PROPANE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 19 | 0 | 0.0% |
| MONT BELVIEU NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NORMAL BUTA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NORMAL BUTA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS | 0 | 0 | 0.0% | 66,381 | 46,701 | 42.14% | 0 | 0 | 0.0% | 322,636 | 249,276 | 29.4% |
| NATURAL GAS PEN SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 8,410,168 | 6,572,965 | 27.95% | 0 | 0 | 0.0% | 41,704,196 | 38,592,503 | 8.1% |
| NEPOOL INTR HUB 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW ENGLAND HUB PEAK DAI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| NEW YORK HUB ZONE G PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK HUB ZONE J PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ILLINOIS HUB DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY1% VS GC SPREAD SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR 1% FUEL OIL BAL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 12 | 11 | 9.09% | 0 | 0 | 0.0% | 143 | 26 | 450.0% |
| NY HARBOR LOW SULPUR GA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR RESIDUAL FUEL 1 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYH NO 2 CRACK SPREAD CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO CAPACITY | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO ZONE G 5MW D AH O P | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO ZONE G 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY ULSD (ARGUS) VS HEATIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PANHANDLE BASIS SWAP FUT | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS ASIA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS ASIA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTRIGHT EURO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTRIGHT NA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM AD HUB 5MW REAL TIME | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NI HUB 5MW REAL TIME | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PLASTICS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PREMIUM UNLD 10P FOB MED | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PROPANE NON-LDH MB (OPIS) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PROPANE NON-LDH MT. BEL (| 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CRACK SPREAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CRACK SPREAD BALMO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| RBOB GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB GASOLINE BALMO CLNC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB PHY | 0 | 0 | 0.0% | 3,814,932 | 3,837,729 | -0.59% | 0 | 0 | 0.0% | 16,535,402 | 18,664,226 | -11.4% |
| RBOB VS HEATING OIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE 180CST BALMO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| SINGAPORE 380CST BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE 380CST FUEL OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE FUEL 180CST CAL | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| SINGAPORE FUEL OIL 180 CS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE FUEL OIL SPREA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL CALEND A | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KERO GASOI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KEROSENE S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE MOGAS 92 UNLEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE MOGAS 92 UNLEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TC2 ROTTERDAM TO USAC 37 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TC5 RAS TANURA TO YOKOHA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TD3 MEG TO JAPAN 250K MT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TEXAS EASTERN ZONE M-3 BA | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| UK NBP NAT GAS CAL MTH FU | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ULSD UP-DOWN BALMO SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| UP DOWN GC ULSD VS NMX H | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 16 | 0 | 0.0% |
| WTI-BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI MIDLAND CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTS (ARGUS) VS WTI TRD MT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

Energy Options

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|-----------|
| Energy Options | | | | | | | | | | | | |
| BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CRUDE OIL 1 M CSO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT OIL LAST DAY | 0 | 0 | 0.0% | 3,637 | 2,785 | 30.59% | 0 | 0 | 0.0% | 25,693 | 8,197 | 213.4% |
| COAL API2 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL 1MO | 0 | 0 | 0.0% | 1,525 | 6,470 | -76.43% | 0 | 0 | 0.0% | 3,000 | 28,721 | -89.6% |
| CRUDE OIL APO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL CALNDR STRIP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | 0 | - | - | 3,548 | - | | 0 | - | - | 37,400 | - | - |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 2,328,340 | 1,664,644 | 39.87% | 0 | 0 | 0.0% | 9,929,506 | 11,313,673 | -12.2% |
| ELEC FINSETTLED | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FREIGHT MARKETS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL CRK SPD AVG P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL PHY | 0 | 0 | 0.0% | 386 | 1,735 | -77.75% | 0 | 0 | 0.0% | 5,176 | 14,173 | -63.5% |
| HENRY HUB FINANCIAL LAST | 0 | 0 | 0.0% | 655 | 0 | 0.00% | 0 | 0 | 0.0% | 15,483 | 66 | 23,359.1% |
| HO 1 MONTH CLNDR OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LLS CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS | 0 | 0 | 0.0% | 13 | 137 | -90.51% | 0 | 0 | 0.0% | 13 | 3,454 | -99.6% |
| NATURAL GAS 1 M CSO FIN | 0 | 0 | 0.0% | 2,200 | 0 | 0.00% | 0 | 0 | 0.0% | 5,454 | 4,900 | 11.3% |
| NATURAL GAS 2 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS 3 M CSO FIN | 0 | 0 | 0.0% | 30,540 | 400 | 7,535.00% | 0 | 0 | 0.0% | 53,340 | 400 | 13,235.0% |
| NATURAL GAS 5 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS 6 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS OPT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS OPTION ON CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 1,597,563 | 892,353 | 79.03% | 0 | 0 | 0.0% | 6,604,318 | 5,336,431 | 23.8% |
| NATURAL GAS SUMMER STRIF | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 69 | 209 | -66.99% | 0 | 0 | 0.0% | 550 | 449 | 22.5% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 8 | 6 | 33.33% | 0 | 0 | 0.0% | 8 | 11 | -27.3% |
| PETRO OUTRIGHT EURO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETRO OUTRIGHT NA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WES HUB PEAK CAL MTH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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|--------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Energy Options | | | | | | | | | | | | |
| PJM WES HUB PEAK LMP 50M | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| RBOB 1MO CAL SPD OPTIONS | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| RBOB CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB PHY | 0 | 0 | 0.0% | 376 | 635 | -40.79% | 0 | 0 | 0.0% | 3,054 | 5,483 | -44.3% |
| SHORT TERM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SHORT TERM NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 0 | 0 | 0.0% | 1,400 | 651 | 115.05% | 0 | 0 | 0.0% | 3,875 | 3,601 | 7.6% |
| WTI CRUDE OIL 1 M CSO FI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 200 | 271 | -26.2% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 1 | 68 | -98.53% | 0 | 0 | 0.0% | 154 | 204 | -24.5% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 863 | 5,043 | -82.89% | 0 | 0 | 0.0% | 7,661 | 28,058 | -72.7% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 3,205 | 1,694 | 89.20% | 0 | 0 | 0.0% | 12,892 | 8,524 | 51.2% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 1,811,442 | 2,193,548 | -17.42% | 0 | 0 | 0.0% | 9,404,365 | 9,807,919 | -4.1% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 855 | 3,203 | -73.31% | 0 | 0 | 0.0% | 11,945 | 17,289 | -30.9% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 1,262 | 1,602 | -21.22% | 0 | 0 | 0.0% | 12,101 | 10,227 | 18.3% |
| BRAZIL REAL | 0 | 0 | 0.0% | 217,600 | 314,884 | -30.90% | 0 | 0 | 0.0% | 1,256,936 | 1,474,480 | -14.8% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,040,064 | 2,170,093 | -5.99% | 0 | 0 | 0.0% | 10,219,464 | 11,007,368 | -7.2% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,590,984 | 1,720,804 | -7.54% | 0 | 0 | 0.0% | 8,439,659 | 8,326,735 | 1.4% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 4 | 6 | -33.33% | 0 | 0 | 0.0% | 10 | 251 | -96.0% |
| CHILEAN PESO | 0 | 0 | 0.0% | 10 | 0 | 0.00% | 0 | 0 | 0.0% | 13 | 23 | -43.5% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 16,208 | 40,264 | -59.75% | 0 | 0 | 0.0% | 114,932 | 129,678 | -11.4% |
| CZECK KORUNA (EC) | 0 | 0 | 0.0% | 0 | 3 | -100.00% | 0 | 0 | 0.0% | 4 | 16 | -75.0% |
| CZECK KORUNA (US) | 0 | 0 | 0.0% | 3 | 4 | -25.00% | 0 | 0 | 0.0% | 17 | 15 | 13.3% |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 1,224 | 4,307 | -71.58% | 0 | 0 | 0.0% | 18,596 | 24,527 | -24.2% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 1,489 | 3,052 | -51.21% | 0 | 0 | 0.0% | 24,496 | 34,233 | -28.4% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 613 | 1,591 | -61.47% | 0 | 0 | 0.0% | 5,118 | 6,162 | -16.9% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 622 | 588 | 5.78% | 0 | 0 | 0.0% | 10,812 | 8,736 | 23.8% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 34,405 | 74,159 | -53.61% | 0 | 0 | 0.0% | 244,318 | 440,542 | -44.5% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 24,360 | 30,706 | -20.67% | 0 | 0 | 0.0% | 189,443 | 277,814 | -31.8% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 13,655 | 42,574 | -67.93% | 0 | 0 | 0.0% | 94,771 | 204,976 | -53.8% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|-----------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Futures | | | | | | | | | | | | |
| E-MICRO USD/CAD | 0 | 0 | 0.0% | 117 | 152 | -23.03% | 0 | 0 | 0.0% | 817 | 1,442 | -43.3% |
| E-MICRO USD/CHF | 0 | 0 | 0.0% | 104 | 96 | 8.33% | 0 | 0 | 0.0% | 1,039 | 360 | 188.6% |
| E-MICRO USD/JPY | 0 | 0 | 0.0% | 3,115 | 15,976 | -80.50% | 0 | 0 | 0.0% | 11,854 | 42,307 | -72.0% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 106,943 | 127,139 | -15.88% | 0 | 0 | 0.0% | 668,962 | 646,126 | 3.5% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 11,037 | 9,511 | 16.04% | 0 | 0 | 0.0% | 55,159 | 41,110 | 34.2% |
| EURO FX | 0 | 0 | 0.0% | 4,454,981 | 4,034,455 | 10.42% | 0 | 0 | 0.0% | 22,870,118 | 21,706,426 | 5.4% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 0 | 1 | -100.00% | 0 | 0 | 0.0% | 13 | 2 | 550.0% |
| HUNGARIAN FORINT (US) | 0 | 0 | 0.0% | 7 | 4 | 75.00% | 0 | 0 | 0.0% | 76 | 33 | 130.3% |
| INDIAN RUPEE | 0 | 0 | 0.0% | 23,714 | 17,800 | 33.22% | 0 | 0 | 0.0% | 149,753 | 97,568 | 53.5% |
| JAPANESE YEN | 0 | 0 | 0.0% | 3,702,561 | 2,943,077 | 25.81% | 0 | 0 | 0.0% | 16,691,854 | 13,421,333 | 24.4% |
| KOREAN WON | 0 | 0 | 0.0% | 277 | 253 | 9.49% | 0 | 0 | 0.0% | 1,102 | 1,999 | -44.9% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,087,963 | 1,072,113 | 1.48% | 0 | 0 | 0.0% | 6,139,259 | 5,069,160 | 21.1% |
| MICRO AUD/USD | 0 | 0 | 0.0% | 228,707 | 315,396 | -27.49% | 0 | 0 | 0.0% | 1,374,468 | 1,358,361 | 1.2% |
| MICRO CAD/USD | 0 | 0 | 0.0% | 47,619 | 75,059 | -36.56% | 0 | 0 | 0.0% | 288,138 | 287,429 | 0.2% |
| MICRO CHF/USD | 0 | 0 | 0.0% | 13,815 | 18,799 | -26.51% | 0 | 0 | 0.0% | 74,207 | 61,973 | 19.7% |
| MICRO EUR/USD | 0 | 0 | 0.0% | 572,054 | 690,536 | -17.16% | 0 | 0 | 0.0% | 3,321,669 | 3,441,559 | -3.5% |
| MICRO GBP/USD | 0 | 0 | 0.0% | 60,201 | 112,785 | -46.62% | 0 | 0 | 0.0% | 344,346 | 437,089 | -21.2% |
| MICRO INR/USD | 0 | 0 | 0.0% | 348 | 745 | -53.29% | 0 | 0 | 0.0% | 2,670 | 4,063 | -34.3% |
| MICRO JPY/USD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 101,719 | -100.0% |
| MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 664,716 | 616,162 | 7.88% | 0 | 0 | 0.0% | 3,075,284 | 2,845,593 | 8.1% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 2,541 | 2,147 | 18.35% | 0 | 0 | 0.0% | 14,279 | 15,160 | -5.8% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 44 | 45 | -2.22% | 0 | 0 | 0.0% | 101 | 653 | -84.5% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 1,039 | 807 | 28.75% | 0 | 0 | 0.0% | 4,162 | 6,561 | -36.6% |
| RMB USD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 5 | 0.0% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 0 | 1,265 | -100.00% | 0 | 0 | 0.0% | 0 | 575,914 | -100.0% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 70,919 | 81,000 | -12.45% | 0 | 0 | 0.0% | 313,362 | 416,842 | -24.8% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 285 | 541 | -47.32% | 0 | 0 | 0.0% | 2,586 | 2,030 | 27.4% |
| SHEKEL | 0 | 0 | 0.0% | 40 | 15 | 166.67% | 0 | 0 | 0.0% | 345 | 59 | 484.7% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 3,859 | 4,977 | -22.46% | 0 | 0 | 0.0% | 21,631 | 28,692 | -24.6% |
| SWISS FRANC | 0 | 0 | 0.0% | 427,188 | 528,881 | -19.23% | 0 | 0 | 0.0% | 2,162,047 | 2,391,620 | -9.6% |
| TURKISH LIRA | 0 | 0 | 0.0% | 9 | 0 | 0.00% | 0 | 0 | 0.0% | 9 | 0 | 0.0% |
| USDZAR | 0 | 0 | 0.0% | 3 | 0 | 0.00% | 0 | 0 | 0.0% | 100 | 27 | 270.4% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 241 | 148 | 62.84% | 0 | 0 | 0.0% | 686 | 1,597 | -57.0% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 332 | 388 | -14.43% | 0 | 0 | 0.0% | 2,386 | 2,717 | -12.2% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 394 | 391 | 0.77% | 0 | 0 | 0.0% | 1,401 | 1,888 | -25.8% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 126 | 560 | -77.50% | 0 | 0 | 0.0% | 1,208 | 2,173 | -44.4% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 315 | 779 | -59.6% |
| AUD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 36,259 | 77,854 | -53.43% | 0 | 0 | 0.0% | 240,108 | 343,702 | -30.1% |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 83 | - | | 0 | - | - | 155 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 215 | - | | 0 | - | - | 267 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 1,104 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 11 | - | | 0 | - | - | 391 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 11 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 19 | - | | 0 | - | - | 201 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 20 | - | | 0 | - | - | 1,091 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 108 | - | | 0 | - | - | 446 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 11 | - | | 0 | - | - | 301 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 100 | - | | 0 | - | - | 205 | - | - |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,064 | 0 | 0.00% | 0 | 0 | 0.0% | 1,064 | 1,420 | -25.1% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 212 | 2,700 | -92.15% | 0 | 0 | 0.0% | 7,215 | 10,528 | -31.5% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,985 | 2,351 | -15.57% | 0 | 0 | 0.0% | 7,867 | 12,065 | -34.8% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,047 | 1,924 | -45.58% | 0 | 0 | 0.0% | 8,361 | 8,160 | 2.5% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 434 | 0 | 0.00% | 0 | 0 | 0.0% | 1,383 | 1,720 | -19.6% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,426 | 1,822 | -21.73% | 0 | 0 | 0.0% | 2,223 | 4,930 | -54.9% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 212 | 161 | 31.68% | 0 | 0 | 0.0% | 1,209 | 2,818 | -57.1% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 82 | 590 | -86.10% | 0 | 0 | 0.0% | 1,187 | 3,538 | -66.4% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 94 | 1,094 | -91.41% | 0 | 0 | 0.0% | 1,314 | 2,970 | -55.8% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 212 | 0 | 0.00% | 0 | 0 | 0.0% | 522 | 211 | 147.4% |
| BRL/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 183 | -100.00% | 0 | 0 | 0.0% | 205 | 1,964 | -89.6% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 313 | 138 | 126.81% | 0 | 0 | 0.0% | 3,940 | 999 | 294.4% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 1,919 | 756 | 153.84% | 0 | 0 | 0.0% | 7,975 | 6,600 | 20.8% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 1,320 | 1,010 | 30.69% | 0 | 0 | 0.0% | 4,930 | 4,470 | 10.3% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 660 | 254 | 159.84% | 0 | 0 | 0.0% | 4,506 | 4,700 | -4.1% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 247 | 1,256 | -80.3% |
| CAD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 42,015 | 78,193 | -46.27% | 0 | 0 | 0.0% | 298,212 | 320,409 | -6.9% |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 975 | - | | 0 | - | - | 1,570 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 249 | - | | 0 | - | - | 872 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 409 | - | | 0 | - | - | 1,773 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 402 | - | | 0 | - | - | 1,767 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 1,586 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 518 | - | | 0 | - | - | 1,720 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 534 | - | | 0 | - | - | 3,604 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 612 | - | | 0 | - | - | 2,027 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 384 | - | | 0 | - | - | 608 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 732 | - | | 0 | - | - | 808 | - | - |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,701 | 0 | 0.00% | 0 | 0 | 0.0% | 2,701 | 5,805 | -53.5% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,013 | 4,524 | -77.61% | 0 | 0 | 0.0% | 12,024 | 19,690 | -38.9% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,708 | 3,913 | -30.79% | 0 | 0 | 0.0% | 12,090 | 26,133 | -53.7% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,093 | 4,023 | -47.97% | 0 | 0 | 0.0% | 15,588 | 25,984 | -40.0% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 21 | 0 | 0.00% | 0 | 0 | 0.0% | 5,094 | 4,281 | 19.0% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,973 | 746 | 298.53% | 0 | 0 | 0.0% | 6,929 | 5,384 | 28.7% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,279 | 553 | 312.12% | 0 | 0 | 0.0% | 5,307 | 5,839 | -9.1% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 731 | 1,477 | -50.51% | 0 | 0 | 0.0% | 5,283 | 8,296 | -36.3% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 827 | 1,875 | -55.89% | 0 | 0 | 0.0% | 7,166 | 9,462 | -24.3% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,242 | 0 | 0.00% | 0 | 0 | 0.0% | 2,131 | 2,938 | -27.5% |
| CHF/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 3,234 | 3,185 | 1.54% | 0 | 0 | 0.0% | 17,339 | 27,378 | -36.7% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 133 | 10 | 1,230.00% | 0 | 0 | 0.0% | 133 | 530 | -74.9% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 89 | 72 | 23.61% | 0 | 0 | 0.0% | 1,623 | 792 | 104.9% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 1,893 | 17 | 11,035.29% | 0 | 0 | 0.0% | 2,972 | 415 | 616.1% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 564 | 66 | 754.55% | 0 | 0 | 0.0% | 5,368 | 808 | 564.4% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 1 | 0 | 0.00% | 0 | 0 | 0.0% | 343 | 14 | 2,350.0% |
| EUR/GBP MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 204 | -100.0% |
| EUR/GBP WKLY FRIDAY OPTIC | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EURO FX | 0 | - | - | 51 | - | | 0 | - | - | 85 | - | - |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,917 | 923 | 107.69% | 0 | 0 | 0.0% | 10,583 | 10,041 | 5.4% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 3,405 | 2,071 | 64.41% | 0 | 0 | 0.0% | 10,378 | 15,479 | -33.0% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 247 | 1,288 | -80.82% | 0 | 0 | 0.0% | 5,727 | 5,594 | 2.4% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,996 | 1,256 | 58.92% | 0 | 0 | 0.0% | 9,321 | 17,173 | -45.7% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 955 | 2,856 | -66.6% |
| EUR/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 237,024 | 213,743 | 10.89% | 0 | 0 | 0.0% | 1,155,232 | 1,157,925 | -0.2% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 3,052 | - | | 0 | - | - | 4,083 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 293 | - | | 0 | - | - | 4,042 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 1,456 | - | | 0 | - | - | 1,846 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 196 | - | | 0 | - | - | 5,514 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 12 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 25 | - | | 0 | - | - | 636 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 17 | - | | 0 | - | - | 558 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 1,527 | - | | 0 | - | - | 3,622 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 169 | - | | 0 | - | - | 3,211 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 1,291 | - | | 0 | - | - | 1,419 | - | - |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 12,968 | 2 | 648,300.00% | 0 | 0 | 0.0% | 12,968 | 24,512 | -47.1% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 13,420 | 13,326 | 0.71% | 0 | 0 | 0.0% | 92,551 | 79,726 | 16.1% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 8,648 | 15,007 | -42.37% | 0 | 0 | 0.0% | 95,362 | 82,252 | 15.9% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 10,277 | 15,132 | -32.08% | 0 | 0 | 0.0% | 158,066 | 105,000 | 50.5% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 256 | 0 | 0.00% | 0 | 0 | 0.0% | 8,521 | 20,204 | -57.8% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,158 | 4,416 | -28.49% | 0 | 0 | 0.0% | 21,338 | 31,224 | -31.7% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 5,996 | 3,290 | 82.25% | 0 | 0 | 0.0% | 31,971 | 25,095 | 27.4% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,575 | 5,324 | -14.07% | 0 | 0 | 0.0% | 25,253 | 27,875 | -9.4% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,077 | 4,702 | -13.29% | 0 | 0 | 0.0% | 22,893 | 29,211 | -21.6% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,766 | 0 | 0.00% | 0 | 0 | 0.0% | 10,434 | 6,113 | 70.7% |
| EVENT CONTRACT EUR/USD | 0 | - | - | 2,599 | - | | 0 | - | - | 19,116 | - | - |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 766 | 217 | 253.00% | 0 | 0 | 0.0% | 3,955 | 2,723 | 45.2% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,647 | 1,499 | 9.87% | 0 | 0 | 0.0% | 6,177 | 5,034 | 22.7% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 211 | 115 | 83.48% | 0 | 0 | 0.0% | 2,233 | 1,660 | 34.5% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,468 | 170 | 763.53% | 0 | 0 | 0.0% | 2,730 | 2,766 | -1.3% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 400 | 361 | 10.8% |
| GBP/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 59,924 | 74,566 | -19.64% | 0 | 0 | 0.0% | 285,181 | 342,407 | -16.7% |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 222 | - | | 0 | - | - | 1,218 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 143 | - | | 0 | - | - | 655 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 123 | - | | 0 | - | - | 1,526 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 79 | - | | 0 | - | - | 547 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 61 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 92 | - | | 0 | - | - | 877 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 279 | - | | 0 | - | - | 1,797 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 696 | - | | 0 | - | - | 1,256 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 48 | - | | 0 | - | - | 875 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 116 | - | | 0 | - | - | 341 | - | - |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,409 | 1 | 240,800.00% | 0 | 0 | 0.0% | 2,409 | 2,815 | -14.4% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,145 | 3,908 | -70.70% | 0 | 0 | 0.0% | 15,665 | 12,169 | 28.7% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 5,518 | 2,074 | 166.06% | 0 | 0 | 0.0% | 21,919 | 14,530 | 50.9% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,539 | 1,489 | 70.52% | 0 | 0 | 0.0% | 8,701 | 13,327 | -34.7% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 508 | 0 | 0.00% | 0 | 0 | 0.0% | 3,149 | 3,774 | -16.6% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 79 | 303 | -73.93% | 0 | 0 | 0.0% | 3,563 | 7,299 | -51.2% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 745 | 261 | 185.44% | 0 | 0 | 0.0% | 6,201 | 2,561 | 142.1% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 443 | 1,158 | -61.74% | 0 | 0 | 0.0% | 4,549 | 6,226 | -26.9% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,979 | 438 | 351.83% | 0 | 0 | 0.0% | 4,047 | 4,027 | 0.5% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 572 | 0 | 0.00% | 0 | 0 | 0.0% | 665 | 330 | 101.5% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 438 | 89 | 392.13% | 0 | 0 | 0.0% | 2,770 | 2,105 | 31.6% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 1,692 | 846 | 100.00% | 0 | 0 | 0.0% | 9,995 | 5,076 | 96.9% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 202 | 980 | -79.39% | 0 | 0 | 0.0% | 1,935 | 1,532 | 26.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 3,035 | 987 | 207.50% | 0 | 0 | 0.0% | 5,419 | 4,565 | 18.7% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,047 | 51 | 1,952.9% |
| JPY/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 127,860 | 157,040 | -18.58% | 0 | 0 | 0.0% | 459,856 | 719,454 | -36.1% |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 19 | - | | 0 | - | - | 91 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 23 | - | | 0 | - | - | 91 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 1 | - | | 0 | - | - | 137 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 24 | - | | 0 | - | - | 51 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 0 | - | | 0 | - | - | 157 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 21 | - | | 0 | - | - | 70 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | | 0 | - | - | 1,405 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 35 | - | | 0 | - | - | 112 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 41 | - | | 0 | - | - | 933 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 32 | - | | 0 | - | - | 37 | - | - |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 2,985 | 0 | 0.00% | 0 | 0 | 0.0% | 2,985 | 10,796 | -72.4% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 5,541 | 11,990 | -53.79% | 0 | 0 | 0.0% | 32,877 | 46,501 | -29.3% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 5,187 | 10,635 | -51.23% | 0 | 0 | 0.0% | 37,184 | 51,767 | -28.2% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 3,705 | 8,009 | -53.74% | 0 | 0 | 0.0% | 26,958 | 47,897 | -43.7% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 1 | 0 | 0.00% | 0 | 0 | 0.0% | 4,386 | 15,568 | -71.8% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,769 | 1,977 | -10.52% | 0 | 0 | 0.0% | 11,927 | 15,253 | -21.8% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,011 | 3,421 | -41.22% | 0 | 0 | 0.0% | 12,417 | 15,018 | -17.3% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,435 | 2,921 | -16.64% | 0 | 0 | 0.0% | 17,381 | 11,813 | 47.1% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,387 | 3,893 | -64.37% | 0 | 0 | 0.0% | 11,372 | 14,676 | -22.5% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,804 | 0 | 0.00% | 0 | 0 | 0.0% | 3,102 | 2,857 | 8.6% |
| MXN/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 316 | 608 | -48.03% | 0 | 0 | 0.0% | 1,454 | 3,914 | -62.9% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 17 | -100.0% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MXN/USD WKLY FRIDAY OPTI | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NZD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 28 | 18 | 55.56% | 0 | 0 | 0.0% | 93 | 499 | -81.4% |
| NZD/USD WKLY FRIDAY OPTIO | 0 | - | - | 0 | - | | 0 | - | - | 2 | - | - |
| NZD/USD WKLY FRIDAY OPTIO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PY/USD THURSDAY WKLY OPT | 0 | - | - | 1 | - | | 0 | - | - | 48 | - | - |
| PY/USD TUESDAY WKLY OPT | 0 | - | - | 45 | - | | 0 | - | - | 900 | - | - |
| RUB/USD MONTHLY OPTIONS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ZAR/USD MONTHLY OPTIONS | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| Ags Futures | | | | | | | | | | | | |
| FERTILIZER PRODUCS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 4 | 2 | 100.0% |
| Ag Products Futures | | | | | | | | | | | | |
| BLOCK CHEESE | 0 | 0 | 0.0% | 614 | 111 | 453.15% | 0 | 0 | 0.0% | 1,797 | 1,153 | 55.9% |
| BUTTER CS | 0 | 0 | 0.0% | 4,144 | 4,062 | 2.02% | 0 | 0 | 0.0% | 16,912 | 22,596 | -25.2% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 15,888 | 8,517 | 86.54% | 0 | 0 | 0.0% | 63,685 | 44,486 | 43.2% |
| CAT ASIA WEATHER | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 0 | 0 | 0.0% | 1,561,932 | 1,297,009 | 20.43% | 0 | 0 | 0.0% | 6,701,225 | 6,375,472 | 5.1% |
| CAT WEATHER EUROPEAN | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 50 | 0 | 0.00% | 0 | 0 | 0.0% | 50 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHI WHEAT | 0 | 0 | 0.0% | 2,458,064 | 1,807,580 | 35.99% | 0 | 0 | 0.0% | 11,910,874 | 11,533,570 | 3.3% |
| CLASS IV MILK | 0 | 0 | 0.0% | 2,144 | 2,762 | -22.38% | 0 | 0 | 0.0% | 4,053 | 12,191 | -66.8% |
| COFFEE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CORN | 0 | 0 | 0.0% | 7,389,754 | 5,217,154 | 41.64% | 0 | 0 | 0.0% | 33,815,350 | 33,993,605 | -0.5% |
| DJ_UBS ROLL SELECT INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DOW-UBS COMMOD INDEX | 0 | 0 | 0.0% | 11,664 | 39,553 | -70.51% | 0 | 0 | 0.0% | 131,325 | 231,428 | -43.3% |
| DOW-UBS COMMOD INDEX SW | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| DRY WHEY | 0 | 0 | 0.0% | 1,541 | 1,011 | 52.42% | 0 | 0 | 0.0% | 6,258 | 4,945 | 26.6% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 330,542 | 218,592 | 51.21% | 0 | 0 | 0.0% | 1,711,099 | 1,310,248 | 30.6% |
| FERTILIZER PRODUCS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 1,509 | 2,741 | -44.95% | 0 | 0 | 0.0% | 8,762 | 15,644 | -44.0% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 0 | 22 | -100.00% | 0 | 0 | 0.0% | 23 | 22 | 4.5% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 0 | 0 | 0.0% | 1,415,757 | 1,035,125 | 36.77% | 0 | 0 | 0.0% | 5,394,272 | 4,862,872 | 10.9% |
| HOUSING INDEX | 0 | 0 | 0.0% | 18 | 49 | -63.27% | 0 | 0 | 0.0% | 82 | 94 | -12.8% |
| KC WHEAT | 0 | 0 | 0.0% | 1,457,618 | 671,801 | 116.97% | 0 | 0 | 0.0% | 5,200,177 | 4,725,718 | 10.0% |
| LUMBER | 0 | 0 | 0.0% | 10,445 | 6,441 | 62.16% | 0 | 0 | 0.0% | 62,334 | 39,257 | 58.8% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 0 | 0.0% | 36,508 | 26,429 | 38.14% | 0 | 0 | 0.0% | 140,859 | 147,901 | -4.8% |
| MINI CORN | 0 | 0 | 0.0% | 41,521 | 50,723 | -18.14% | 0 | 0 | 0.0% | 134,977 | 330,226 | -59.1% |
| MINI SOYBEAN | 0 | 0 | 0.0% | 35,152 | 44,846 | -21.62% | 0 | 0 | 0.0% | 180,216 | 321,141 | -43.9% |
| MINI WHEAT | 0 | 0 | 0.0% | 28,216 | 26,790 | 5.32% | 0 | 0 | 0.0% | 117,875 | 146,560 | -19.6% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 0 | 0 | 0.0% | 4,350 | 4,008 | 8.53% | 0 | 0 | 0.0% | 25,754 | 32,134 | -19.9% |
| OATS | 0 | 0 | 0.0% | 12,571 | 6,913 | 81.85% | 0 | 0 | 0.0% | 60,980 | 46,206 | 32.0% |
| OTC SP GSCI ER SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| PACIFIC RIM DAT SS WTHR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PORK CUTOUT | 0 | 0 | 0.0% | 1,830 | 2,812 | -34.92% | 0 | 0 | 0.0% | 7,184 | 12,841 | -44.1% |
| ROUGH RICE | 0 | 0 | 0.0% | 16,323 | 14,222 | 14.77% | 0 | 0 | 0.0% | 86,216 | 90,914 | -5.2% |
| SOYBEAN | 0 | 0 | 0.0% | 4,583,121 | 3,167,260 | 44.70% | 0 | 0 | 0.0% | 23,601,989 | 20,838,717 | 13.3% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 2,751,478 | 1,655,458 | 66.21% | 0 | 0 | 0.0% | 13,086,777 | 10,341,776 | 26.5% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 3,243,783 | 1,729,632 | 87.54% | 0 | 0 | 0.0% | 14,244,583 | 10,722,755 | 32.8% |
| S&P GSCI ENHANCED ER SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| USD CRUDE PALM OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WHEAT | 0 | 0 | 0.0% | 0 | 56 | -100.00% | 0 | 0 | 0.0% | 20 | 6,012 | -99.7% |
| Ag Products Options | | | | | | | | | | | | |
| AUG-DEC SOYBEAN MEAL CS | 0 | - | - | 200 | - | | 0 | - | - | 200 | - | - |
| AUG-NOV SOYBEAN CAL SPR | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| BLOCK CHEESE | 0 | 0 | 0.0% | 273 | 0 | 0.00% | 0 | 0 | 0.0% | 980 | 863 | 13.6% |
| BUTTER CS | 0 | 0 | 0.0% | 2,802 | 1,085 | 158.25% | 0 | 0 | 0.0% | 10,048 | 5,791 | 73.5% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 10,306 | 4,851 | 112.45% | 0 | 0 | 0.0% | 30,116 | 32,929 | -8.5% |
| CATTLE | 0 | 0 | 0.0% | 273,368 | 223,894 | 22.10% | 0 | 0 | 0.0% | 1,335,695 | 1,090,030 | 22.5% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHI WHEAT | 0 | 0 | 0.0% | 813,347 | 562,965 | 44.48% | 0 | 0 | 0.0% | 3,097,482 | 3,116,491 | -0.6% |
| CLASS IV MILK | 0 | 0 | 0.0% | 5,830 | 6,853 | -14.93% | 0 | 0 | 0.0% | 28,864 | 33,205 | -13.1% |
| CORN | 0 | 0 | 0.0% | 2,961,439 | 2,692,656 | 9.98% | 0 | 0 | 0.0% | 10,434,698 | 13,383,448 | -22.0% |
| CORN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 67,981 | 8,185 | 730.56% | 0 | 0 | 0.0% | 185,356 | 122,984 | 50.7% |
| DEC-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 699 | 0 | 0.00% | 0 | 0 | 0.0% | 1,099 | 0 | 0.0% |
| DEC-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 1,170 | 0 | 0.00% | 0 | 0 | 0.0% | 5,225 | 3,340 | 56.4% |
| DEC-JULY WHEAT CAL SPRD | 0 | - | - | 80 | - | | 0 | - | - | 350 | - | - |
| DRY WHEY | 0 | 0 | 0.0% | 0 | 61 | -100.00% | 0 | 0 | 0.0% | 73 | 2,150 | -96.6% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 54,263 | 33,947 | 59.85% | 0 | 0 | 0.0% | 284,313 | 176,627 | 61.0% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 0 | 0 | 0.0% | 329,205 | 237,386 | 38.68% | 0 | 0 | 0.0% | 1,379,566 | 1,185,799 | 16.3% |
| Intercommodity Spread | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| JAN-MAY SOYBEAN CAL SPRD | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| JULY-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 28,719 | 5,300 | 441.87% | 0 | 0 | 0.0% | 73,277 | 44,144 | 66.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Ag Products Options | | | | | | | | | | | | |
| JULY-DEC SOYMEAL CAL SPR | 0 | 0 | 0.0% | 265 | 410 | -35.37% | 0 | 0 | 0.0% | 2,025 | 410 | 393.9% |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,060 | 0 | 0.0% |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 3,200 | -100.0% |
| JULY-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 10 | 1 | 900.0% |
| JULY-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 10,744 | 9,666 | 11.15% | 0 | 0 | 0.0% | 59,267 | 33,876 | 75.0% |
| KC WHEAT | 0 | 0 | 0.0% | 138,941 | 91,002 | 52.68% | 0 | 0 | 0.0% | 390,975 | 414,893 | -5.8% |
| LUMBER | 0 | 0 | 0.0% | 211 | 344 | -38.66% | 0 | 0 | 0.0% | 1,092 | 2,564 | -57.4% |
| LV CATL CSO | 0 | - | - | 30 | - | | 0 | - | - | 60 | - | - |
| MAR-DEC CORN CAL SPRD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MAR-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 9,631 | 9,575 | 0.6% |
| MAR-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 30 | 0 | 0.0% |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 150 | -100.0% |
| MILK | 0 | 0 | 0.0% | 22,472 | 19,836 | 13.29% | 0 | 0 | 0.0% | 108,407 | 95,702 | 13.3% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 3 | 0 | 0.00% | 0 | 0 | 0.0% | 15 | 43 | -65.1% |
| NFD MILK | 0 | 0 | 0.0% | 2,579 | 2,621 | -1.60% | 0 | 0 | 0.0% | 17,531 | 19,153 | -8.5% |
| NOV-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 200 | 0 | 0.00% | 0 | 0 | 0.0% | 200 | 600 | -66.7% |
| NOV-MAR SOYBEAN CSO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 15 | 0 | 0.0% |
| OATS | 0 | 0 | 0.0% | 56 | 275 | -79.64% | 0 | 0 | 0.0% | 522 | 1,297 | -59.8% |
| PORK CUTOUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 7 | 35 | -80.0% |
| ROUGH RICE | 0 | 0 | 0.0% | 5,122 | 1,797 | 185.03% | 0 | 0 | 0.0% | 12,182 | 7,373 | 65.2% |
| SEP-DEC SOYBEAN MEAL CSC | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| SOYBEAN | 0 | 0 | 0.0% | 1,669,211 | 1,459,865 | 14.34% | 0 | 0 | 0.0% | 6,755,764 | 8,573,957 | -21.2% |
| SOYBEAN CRUSH | 0 | 0 | 0.0% | 0 | 25 | -100.00% | 0 | 0 | 0.0% | 5 | 121 | -95.9% |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 383,691 | 179,198 | 114.12% | 0 | 0 | 0.0% | 1,755,904 | 1,227,492 | 43.0% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 483,630 | 185,277 | 161.03% | 0 | 0 | 0.0% | 1,447,057 | 1,191,285 | 21.5% |
| SOYBN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 9,062 | 830 | 991.81% | 0 | 0 | 0.0% | 17,522 | 19,033 | -7.9% |
| SOYMEAL NEARBY+2 CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,230 | 1,100 | 102.7% |
| SOY OIL NEARBY+2 CAL SPRD | 0 | - | - | 0 | - | | 0 | - | - | 175 | - | - |
| WHEAT | 0 | 0 | 0.0% | 3,121 | 10 | 31,110.00% | 0 | 0 | 0.0% | 11,938 | 815 | 1,364.8% |
| WHEAT-CORN ICSCO | 0 | 0 | 0.0% | 0 | 100 | -100.00% | 0 | 0 | 0.0% | 205 | 1,120 | -81.7% |
| WHEAT NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 0 | 80 | -100.00% | 0 | 0 | 0.0% | 3,585 | 24,728 | -85.5% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2023 | Open Outcry MAY 2022 | % CHG | ELEC MAY 2023 | ELEC MAY 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|-----------------------|--------------|
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 509,462 | 336,725 | 51.3% | 233,752,695 | 196,994,324 | 18.7% | 4,392,195 | 3,543,426 | 24.0% | 992,217,243 | 936,091,937 | 6.0% |
| Equity Index Futures | 0 | 0 | 0.0% | 104,709,124 | 147,951,303 | -29.2% | 0 | 0 | 0.0% | 557,462,013 | 672,774,269 | -17.1% |
| Metals Futures | 0 | 0 | 0.0% | 12,265,507 | 8,991,852 | 36.4% | 0 | 0 | 0.0% | 56,355,062 | 48,731,028 | 15.6% |
| Energy Futures | 0 | 0 | 0.0% | 35,954,322 | 31,547,515 | 14.0% | 0 | 0 | 0.0% | 174,043,995 | 195,094,461 | -10.8% |
| FX Futures | 0 | 0 | 0.0% | 17,243,075 | 17,277,930 | -0.2% | 0 | 0 | 0.0% | 87,657,122 | 84,810,994 | 3.4% |
| Ags Futures | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4 | 2 | 100.0% |
| Ag Products Futures | 0 | 0 | 0.0% | 25,416,537 | 17,041,679 | 49.1% | 0 | 0 | 0.0% | 116,715,708 | 106,210,484 | 9.9% |
| TOTAL FUTURES | 509,462 | 336,725 | 51.3% | 429,341,260 | 419,804,603 | 2.3% | 4,392,195 | 3,543,426 | 24.0% | 1,984,451,147 | 2,043,713,175 | -2.9% |
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 0 | 0 | 0.0% | 26,186,431 | 25,057,314 | 4.5% | 0 | 0 | 0.0% | 123,924,300 | 115,814,623 | 7.0% |
| Interest Rate Options | 26,945,418 | 13,761,435 | 95.8% | 34,292,229 | 24,694,565 | 38.9% | 143,574,414 | 86,984,827 | 65.1% | 182,082,001 | 143,795,532 | 26.6% |
| Metals Options | 0 | 0 | 0.0% | 1,661,054 | 1,139,673 | 45.7% | 0 | 0 | 0.0% | 7,833,796 | 5,949,794 | 31.7% |
| Energy Options | 0 | 0 | 0.0% | 3,970,260 | 2,570,025 | 54.5% | 0 | 0 | 0.0% | 16,687,070 | 16,719,830 | -0.2% |
| FX Options | 0 | 0 | 0.0% | 683,026 | 761,071 | -10.3% | 0 | 0 | 0.0% | 3,464,648 | 3,917,215 | -11.6% |
| Ag Products Options | 0 | 0 | 0.0% | 7,279,020 | 5,728,519 | 27.1% | 0 | 0 | 0.0% | 27,465,756 | 30,826,324 | -10.9% |
| TOTAL OPTIONS | 26,945,418 | 13,761,435 | 95.8% | 74,072,020 | 59,951,167 | 23.6% | 143,574,414 | 86,984,827 | 65.1% | 361,457,571 | 317,023,318 | 14.0% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 27,454,880 | 14,098,160 | 94.7% | 268,044,924 | 221,688,889 | 20.9% | 147,966,609 | 90,528,253 | 63.4% | 1,174,299,244 | 1,079,887,469 | 8.7% |
| Equity Index | 0 | 0 | 0.0% | 130,895,555 | 173,008,617 | -24.3% | 0 | 0 | 0.0% | 681,386,313 | 788,588,892 | -13.6% |
| Metals | 0 | 0 | 0.0% | 13,926,561 | 10,131,525 | 37.5% | 0 | 0 | 0.0% | 64,188,858 | 54,680,822 | 17.4% |
| Energy | 0 | 0 | 0.0% | 39,924,582 | 34,117,540 | 17.0% | 0 | 0 | 0.0% | 190,731,065 | 211,814,291 | -10.0% |
| FX | 0 | 0 | 0.0% | 17,926,101 | 18,039,001 | -0.6% | 0 | 0 | 0.0% | 91,121,770 | 88,728,209 | 2.7% |
| Ags | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4 | 2 | 100.0% |
| Ag Products | 0 | 0 | 0.0% | 32,695,557 | 22,770,198 | 43.6% | 0 | 0 | 0.0% | 144,181,464 | 137,036,808 | 5.2% |
| GRAND TOTAL | 27,454,880 | 14,098,160 | 94.7% | 503,413,280 | 479,755,770 | 4.9% | 147,966,609 | 90,528,253 | 63.4% | 2,345,908,718 | 2,360,736,493 | -0.6% |

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