



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 | | | | | | | | | | | | |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 0 | 7 | -100.0% | 0 | 0 | 0.0% | 6 | 281 | -97.9% |
| BSBY 3-MONTH FUTURES | 0 | 0 | 0.0% | 1,512 | 23,037 | -93.4% | 0 | 0 | 0.0% | 31,259 | 457,232 | -93.2% |
| ESTR Basis Spread Futures | 0 | - | - | 921 | - | - | 0 | - | - | 8,988 | - | - |
| ESTR Futures | 0 | - | - | 122,699 | - | - | 0 | - | - | 435,204 | - | - |
| EURODOLLARS | 0 | 640,248 | -100.0% | 0 | 24,752,682 | -100.0% | 258,492 | 5,694,919 | -95.5% | 27,895,109 | 286,560,837 | -90.3% |
| FTIE | 0 | 0 | 0.0% | 144 | 69 | 108.7% | 0 | 0 | 0.0% | 1,662 | 657 | 153.0% |
| SOFR | 401,277 | 102,323 | 292.2% | 54,725,496 | 35,035,620 | 56.2% | 5,143,115 | 247,155 | 1,980.9% | 476,738,052 | 208,878,549 | 128.2% |
| SONIA | 0 | 0 | 0.0% | 0 | 57 | -100.0% | 0 | 0 | 0.0% | 194 | 1,293 | -85.0% |
| Interest Rate Options | | | | | | | | | | | | |
| EURODOLLARS | 0 | 4,115,267 | -100.0% | 0 | 2,024,872 | -100.0% | 1,894,920 | 62,174,164 | -97.0% | 7,456,246 | 25,202,847 | -70.4% |
| EURO MIDCURVE | 0 | 1,793,909 | -100.0% | 0 | 985,794 | -100.0% | 396,228 | 37,148,425 | -98.9% | 201,525 | 19,041,921 | -98.9% |
| SOFR | 11,409,800 | 4,029,357 | 183.2% | 5,904,940 | 1,887,479 | 212.8% | 147,715,459 | 11,592,734 | 1,174.2% | 59,713,338 | 4,702,023 | 1,169.9% |
| SOFR MIDCURVE | 3,333,501 | 868,663 | 283.8% | 1,446,303 | 331,395 | 336.4% | 30,038,395 | 3,503,538 | 757.4% | 11,366,158 | 1,248,751 | 810.2% |
| SOFR MISCURVE | 0 | - | - | 0 | - | - | 0 | - | - | 700 | - | - |
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN | 0 | 0 | 0.0% | 195,133 | 232,248 | -16.0% | 0 | 0 | 0.0% | 1,452,115 | 1,387,581 | 4.7% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 0 | 177 | -100.0% | 0 | 0 | 0.0% | 44 | 6,841 | -99.4% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 196,813 | 236,287 | -16.7% | 0 | 0 | 0.0% | 1,909,409 | 2,358,229 | -19.0% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 12,107,772 | 12,248,436 | -1.1% | 0 | 0 | 0.0% | 95,116,258 | 101,410,831 | -6.2% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 1,246 | 1,556 | -19.9% | 0 | 0 | 0.0% | 16,791 | 22,087 | -24.0% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 1,641 | 1,400 | 17.2% | 0 | 0 | 0.0% | 16,661 | 33,981 | -51.0% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 2,094 | 2,523 | -17.0% | 0 | 0 | 0.0% | 32,583 | 57,763 | -43.6% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 3,450,316 | 3,584,594 | -3.7% | 0 | 0 | 0.0% | 31,429,525 | 34,885,488 | -9.9% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 27,462,159 | 33,869,951 | -18.9% | 0 | 0 | 0.0% | 260,344,342 | 275,965,459 | -5.7% |
| E-MINI S&P500 ESG | 0 | 0 | 0.0% | 9,715 | 10,235 | -5.1% | 0 | 0 | 0.0% | 127,241 | 177,910 | -28.5% |
| ETHER | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| ETHER FUTURES | 0 | 0 | 0.0% | 75,957 | 157,971 | -51.9% | 0 | 0 | 0.0% | 730,136 | 886,787 | -17.7% |
| FT-SE 100 | 0 | 0 | 0.0% | 105 | 105 | 0.0% | 0 | 0 | 0.0% | 460 | 1,244 | -63.0% |
| FTSE Emerging | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|-----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 16 | 45 | -64.4% | 0 | 0 | 0.0% | 258 | 445 | -42.0% |
| MICRO BITCOIN | 0 | 0 | 0.0% | 181,455 | 258,348 | -29.8% | 0 | 0 | 0.0% | 1,496,973 | 2,563,493 | -41.6% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 19,724,668 | 26,864,939 | -26.6% | 0 | 0 | 0.0% | 150,402,593 | 222,415,979 | -32.4% |
| MICRO E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 1,283,107 | 1,933,174 | -33.6% | 0 | 0 | 0.0% | 11,625,164 | 21,551,049 | -46.1% |
| MICRO E-MINI S&P500 | 0 | 0 | 0.0% | 13,838,451 | 25,310,520 | -45.3% | 0 | 0 | 0.0% | 151,495,253 | 196,104,435 | -22.7% |
| MICRO ETHER | 0 | 0 | 0.0% | 132,155 | 513,186 | -74.2% | 0 | 0 | 0.0% | 1,357,469 | 3,017,295 | -55.0% |
| NASDAQ-100 VOLATILITY | 0 | 0 | 0.0% | 0 | 647 | -100.0% | 0 | 0 | 0.0% | 3,203 | 18,341 | -82.5% |
| NASDAQ BIOTECH SECTOR | 0 | 0 | 0.0% | 335 | 65 | 415.4% | 0 | 0 | 0.0% | 1,148 | 1,269 | -9.5% |
| Nearby BTIC+ | 0 | 0 | 0.0% | 0 | 600 | -100.0% | 0 | 0 | 0.0% | 0 | 4,150 | -100.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 170,154 | 72,299 | 135.3% | 0 | 0 | 0.0% | 929,404 | 852,109 | 9.1% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 608,706 | 598,710 | 1.7% | 0 | 0 | 0.0% | 4,412,831 | 5,710,344 | -22.7% |
| PHLX SEMICONDUCTOR SECT | 0 | - | - | 13 | - | - | 0 | - | - | 1,954 | - | - |
| S&P 500 | 0 | 0 | 0.0% | 1,604 | 14 | 11,357.1% | 0 | 0 | 0.0% | 20,507 | 1,817 | 1,028.6% |
| S&P 500 ANNUAL DIVIDEND IN | 0 | 0 | 0.0% | 26,520 | 28,071 | -5.5% | 0 | 0 | 0.0% | 213,937 | 217,536 | -1.7% |
| S&P 500 QUARLY DIVIDEND IN | 0 | 0 | 0.0% | 3,467 | 4,656 | -25.5% | 0 | 0 | 0.0% | 67,910 | 9,861 | 588.7% |
| S&P 600 SMALLCAP EMINI | 0 | - | - | 55 | - | - | 0 | - | - | 55 | - | - |
| S&P BIOTECHNOLOGY SECTO | 0 | - | - | 107 | - | - | 0 | - | - | 3,831 | - | - |
| S&P COMMUNICATION SERVIC | 0 | 0 | 0.0% | 1,286 | 1,589 | -19.1% | 0 | 0 | 0.0% | 24,835 | 23,275 | 6.7% |
| S&P CONSUMER DISCRETION | 0 | 0 | 0.0% | 2,622 | 5,474 | -52.1% | 0 | 0 | 0.0% | 38,046 | 50,137 | -24.1% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 9,512 | 8,014 | 18.7% | 0 | 0 | 0.0% | 115,286 | 110,000 | 4.8% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 9,621 | 38,824 | -75.2% | 0 | 0 | 0.0% | 162,254 | 321,184 | -49.5% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 9,166 | 10,661 | -14.0% | 0 | 0 | 0.0% | 152,104 | 175,592 | -13.4% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 6,246 | 8,976 | -30.4% | 0 | 0 | 0.0% | 88,415 | 135,123 | -34.6% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 5,620 | 7,889 | -28.8% | 0 | 0 | 0.0% | 77,406 | 94,767 | -18.3% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 4,120 | 5,675 | -27.4% | 0 | 0 | 0.0% | 54,032 | 56,258 | -4.0% |
| S&P OIL & GAS EXPLORATION | 0 | - | - | 221 | - | - | 0 | - | - | 1,418 | - | - |
| S&P REAL ESTATE SECTOR | 0 | 0 | 0.0% | 2,201 | 1,971 | 11.7% | 0 | 0 | 0.0% | 38,869 | 29,140 | 33.4% |
| S&P REGIONAL BANKS SECTO | 0 | - | - | 336 | - | - | 0 | - | - | 6,180 | - | - |
| S&P RETAIL SECTOR | 0 | - | - | 34 | - | - | 0 | - | - | 1,674 | - | - |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 3,764 | 9,019 | -58.3% | 0 | 0 | 0.0% | 76,916 | 131,329 | -41.4% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 12,109 | 10,132 | 19.5% | 0 | 0 | 0.0% | 117,789 | 118,965 | -1.0% |
| S&P VALUE INDEX FUTURES | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| TOPIX (USD) | 0 | - | - | 40 | - | - | 0 | - | - | 612 | - | - |
| TOPIX (YEN) | 0 | 0 | 0.0% | 409 | 87 | 370.1% | 0 | 0 | 0.0% | 1,819 | 15,638 | -88.4% |
| WATER INDEX FUTURES | 0 | 0 | 0.0% | 8 | 11 | -27.3% | 0 | 0 | 0.0% | 125 | 567 | -78.0% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Options | | | | | | | | | | | | |
| BITCOIN OPTIONS | 0 | 0 | 0.0% | 2,642 | 1,205 | 119.3% | 0 | 0 | 0.0% | 18,363 | 9,551 | 92.3% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 1,578,967 | 873,401 | 80.8% | 0 | 0 | 0.0% | 8,874,784 | 6,968,563 | 27.4% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 104,706 | 93,338 | 12.2% | 0 | 0 | 0.0% | 1,018,653 | 1,011,540 | 0.7% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 20,280,314 | 17,607,387 | 15.2% | 0 | 0 | 0.0% | 159,769,121 | 147,670,739 | 8.2% |
| EOM S&P 500 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| ETHER OPTIONS | 0 | - | - | 1,540 | - | - | 0 | - | - | 6,507 | - | - |
| EVENT CONTRACT S&P 500 | 0 | - | - | 7,328 | - | - | 0 | - | - | 36,131 | - | - |
| MICRO BITCOIN | 0 | 0 | 0.0% | 15,727 | 14,300 | 10.0% | 0 | 0 | 0.0% | 68,784 | 39,309 | 75.0% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 51,014 | 35,095 | 45.4% | 0 | 0 | 0.0% | 378,177 | 409,624 | -7.7% |
| Micro E-mini S&P 500 | 0 | 0 | 0.0% | 162,990 | 176,738 | -7.8% | 0 | 0 | 0.0% | 1,613,866 | 1,667,913 | -3.2% |
| MICRO ETHER | 0 | 0 | 0.0% | 7,371 | 27,582 | -73.3% | 0 | 0 | 0.0% | 113,904 | 47,619 | 139.2% |
| S&P 500 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 0 | 21 | -100.0% | 0 | 0 | 0.0% | 167 | 335 | -50.1% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 862 | 2,944 | -70.7% | 0 | 0 | 0.0% | 10,737 | 35,336 | -69.6% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 5,016 | 1,843 | 172.2% | 0 | 0 | 0.0% | 22,679 | 12,520 | 81.1% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 1,799,093 | 1,974,111 | -8.9% | 0 | 0 | 0.0% | 13,651,932 | 14,246,888 | -4.2% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 1,814 | 2,344 | -22.6% | 0 | 0 | 0.0% | 15,965 | 25,369 | -37.1% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 2,026 | 644 | 214.6% | 0 | 0 | 0.0% | 16,415 | 12,481 | 31.5% |
| BRAZIL REAL | 0 | 0 | 0.0% | 262,710 | 239,413 | 9.7% | 0 | 0 | 0.0% | 1,740,428 | 2,001,449 | -13.0% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,022,741 | 2,270,450 | -10.9% | 0 | 0 | 0.0% | 15,013,694 | 16,115,825 | -6.8% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,284,584 | 1,881,790 | -31.7% | 0 | 0 | 0.0% | 11,732,902 | 12,529,657 | -6.4% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 92 | 4 | 2,200.0% | 0 | 0 | 0.0% | 338 | 269 | 25.7% |
| CHILEAN PESO | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 45 | 24 | 87.5% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 30,667 | 19,787 | 55.0% | 0 | 0 | 0.0% | 186,277 | 179,050 | 4.0% |
| CZECK KORUNA (EC) | 0 | 0 | 0.0% | 0 | 1 | -100.0% | 0 | 0 | 0.0% | 5 | 19 | -73.7% |
| CZECK KORUNA (US) | 0 | 0 | 0.0% | 5 | 0 | 0.0% | 0 | 0 | 0.0% | 28 | 18 | 55.6% |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 1,453 | 3,075 | -52.7% | 0 | 0 | 0.0% | 29,439 | 35,607 | -17.3% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 3,247 | 7,080 | -54.1% | 0 | 0 | 0.0% | 39,289 | 58,446 | -32.8% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 1,659 | 893 | 85.8% | 0 | 0 | 0.0% | 8,592 | 8,462 | 1.5% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 1,069 | 3,799 | -71.9% | 0 | 0 | 0.0% | 14,740 | 14,844 | -0.7% |

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|-----------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| FX Futures | | | | | | | | | | | | |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 46,841 | 68,235 | -31.4% | 0 | 0 | 0.0% | 415,985 | 630,417 | -34.0% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 43,827 | 37,738 | 16.1% | 0 | 0 | 0.0% | 310,130 | 392,516 | -21.0% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 12,357 | 21,903 | -43.6% | 0 | 0 | 0.0% | 145,157 | 291,567 | -50.2% |
| E-MICRO USD/CAD | 0 | 0 | 0.0% | 28 | 93 | -69.9% | 0 | 0 | 0.0% | 932 | 1,685 | -44.7% |
| E-MICRO USD/CHF | 0 | 0 | 0.0% | 70 | 42 | 66.7% | 0 | 0 | 0.0% | 1,148 | 611 | 87.9% |
| E-MICRO USD/JPY | 0 | 0 | 0.0% | 7,062 | 43,924 | -83.9% | 0 | 0 | 0.0% | 21,386 | 145,933 | -85.3% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 97,581 | 170,072 | -42.6% | 0 | 0 | 0.0% | 878,841 | 975,945 | -9.9% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 15,212 | 10,410 | 46.1% | 0 | 0 | 0.0% | 86,191 | 65,527 | 31.5% |
| EURO FX | 0 | 0 | 0.0% | 3,952,102 | 4,778,238 | -17.3% | 0 | 0 | 0.0% | 32,680,001 | 32,541,298 | 0.4% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 1 | 0 | 0.0% | 0 | 0 | 0.0% | 21 | 2 | 950.0% |
| HUNGARIAN FORINT (US) | 0 | 0 | 0.0% | 6 | 1 | 500.0% | 0 | 0 | 0.0% | 82 | 36 | 127.8% |
| INDIAN RUPEE | 0 | 0 | 0.0% | 20,817 | 32,225 | -35.4% | 0 | 0 | 0.0% | 195,613 | 152,361 | 28.4% |
| JAPANESE YEN | 0 | 0 | 0.0% | 4,109,294 | 3,067,665 | 34.0% | 0 | 0 | 0.0% | 25,250,879 | 20,449,985 | 23.5% |
| KOREAN WON | 0 | 0 | 0.0% | 534 | 198 | 169.7% | 0 | 0 | 0.0% | 1,932 | 2,423 | -20.3% |
| MEXICAN PESO | 0 | 0 | 0.0% | 920,487 | 1,042,225 | -11.7% | 0 | 0 | 0.0% | 8,451,131 | 7,867,106 | 7.4% |
| MICRO AUD/USD | 0 | 0 | 0.0% | 276,487 | 214,442 | 28.9% | 0 | 0 | 0.0% | 1,889,216 | 1,836,182 | 2.9% |
| MICRO CAD/USD | 0 | 0 | 0.0% | 45,095 | 56,198 | -19.8% | 0 | 0 | 0.0% | 380,698 | 408,439 | -6.8% |
| MICRO CHF/USD | 0 | 0 | 0.0% | 16,101 | 25,519 | -36.9% | 0 | 0 | 0.0% | 107,915 | 114,304 | -5.6% |
| MICRO EUR/USD | 0 | 0 | 0.0% | 578,208 | 922,829 | -37.3% | 0 | 0 | 0.0% | 4,428,716 | 5,141,312 | -13.9% |
| MICRO GBP/USD | 0 | 0 | 0.0% | 63,479 | 111,230 | -42.9% | 0 | 0 | 0.0% | 479,739 | 675,131 | -28.9% |
| MICRO INR/USD | 0 | 0 | 0.0% | 296 | 513 | -42.3% | 0 | 0 | 0.0% | 3,270 | 5,397 | -39.4% |
| MICRO JPY/USD | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 101,719 | -100.0% |
| MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 626,872 | 568,138 | 10.3% | 0 | 0 | 0.0% | 4,394,378 | 4,138,506 | 6.2% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 2,642 | 1,473 | 79.4% | 0 | 0 | 0.0% | 22,366 | 20,755 | 7.8% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 31 | 13 | 138.5% | 0 | 0 | 0.0% | 347 | 990 | -64.9% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 577 | 1,122 | -48.6% | 0 | 0 | 0.0% | 6,829 | 9,542 | -28.4% |
| RMB USD | 0 | 0 | 0.0% | 0 | 5 | -100.0% | 0 | 0 | 0.0% | 5 | 15 | -66.7% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 0 | 108 | -100.0% | 0 | 0 | 0.0% | 0 | 576,666 | -100.0% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 98,170 | 92,034 | 6.7% | 0 | 0 | 0.0% | 531,427 | 656,432 | -19.0% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 399 | 732 | -45.5% | 0 | 0 | 0.0% | 3,959 | 4,115 | -3.8% |
| SHEKEL | 0 | 0 | 0.0% | 113 | 18 | 527.8% | 0 | 0 | 0.0% | 552 | 98 | 463.3% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 3,170 | 3,809 | -16.8% | 0 | 0 | 0.0% | 31,883 | 43,162 | -26.1% |
| SWISS FRANC | 0 | 0 | 0.0% | 422,213 | 547,475 | -22.9% | 0 | 0 | 0.0% | 3,129,298 | 3,681,493 | -15.0% |
| TURKISH LIRA | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20 | 0 | 0.0% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 | | | | | | | | | | | | |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 105 | 31 | 238.7% |
| FX Options | | | | | | | | | | | | |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 14 | 29 | -51.7% | 0 | 0 | 0.0% | 1,292 | 1,698 | -23.9% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 225 | 38 | 492.1% | 0 | 0 | 0.0% | 2,761 | 3,091 | -10.7% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 306 | 8 | 3,725.0% | 0 | 0 | 0.0% | 1,718 | 1,994 | -13.8% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 314 | 488 | -35.7% | 0 | 0 | 0.0% | 1,814 | 2,789 | -35.0% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 175 | 0 | 0.0% | 0 | 0 | 0.0% | 490 | 779 | -37.1% |
| AUD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 72,239 | 64,682 | 11.7% | 0 | 0 | 0.0% | 399,796 | 488,576 | -18.2% |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 851 | - | - | 0 | - | - | 1,011 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 355 | - | - | 0 | - | - | 638 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 19 | - | - | 0 | - | - | 1,171 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 51 | - | - | 0 | - | - | 448 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | - | 0 | - | - | 488 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 23 | - | - | 0 | - | - | 235 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 635 | - | - | 0 | - | - | 1,732 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 468 | - | - | 0 | - | - | 1,038 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 227 | - | - | 0 | - | - | 531 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | - | 0 | - | - | 205 | - | - |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1 | 33 | -97.0% | 0 | 0 | 0.0% | 1,394 | 2,979 | -53.2% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,363 | 378 | 260.6% | 0 | 0 | 0.0% | 9,372 | 11,214 | -16.4% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,373 | 2,350 | -41.6% | 0 | 0 | 0.0% | 10,641 | 15,638 | -32.0% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,701 | 1,153 | 47.5% | 0 | 0 | 0.0% | 11,675 | 10,316 | 13.2% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 1,952 | -100.0% | 0 | 0 | 0.0% | 2,092 | 3,917 | -46.6% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 338 | 35 | 865.7% | 0 | 0 | 0.0% | 3,392 | 5,416 | -37.4% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 398 | 284 | 40.1% | 0 | 0 | 0.0% | 1,645 | 3,512 | -53.2% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 815 | 158 | 415.8% | 0 | 0 | 0.0% | 2,287 | 4,932 | -53.6% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 482 | 474 | 1.7% | 0 | 0 | 0.0% | 1,945 | 4,147 | -53.1% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 522 | 259 | 101.5% |
| BRL/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 286 | -100.0% | 0 | 0 | 0.0% | 205 | 2,372 | -91.4% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 141 | 194 | -27.3% | 0 | 0 | 0.0% | 6,102 | 1,288 | 373.8% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 234 | 715 | -67.3% | 0 | 0 | 0.0% | 8,585 | 8,490 | 1.1% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 442 | 1,198 | -63.1% | 0 | 0 | 0.0% | 5,372 | 6,017 | -10.7% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 MONDAY OPTIONS | 0 | 0 | 0.0% | 55 | 318 | -82.7% | 0 | 0 | 0.0% | 4,701 | 5,303 | -11.4% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 91 | 0 | 0.0% | 0 | 0 | 0.0% | 338 | 1,256 | -73.1% |
| CAD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 26,415 | 55,018 | -52.0% | 0 | 0 | 0.0% | 387,291 | 430,525 | -10.0% |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 307 | - | - | 0 | - | - | 2,264 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 112 | - | - | 0 | - | - | 2,257 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 164 | - | - | 0 | - | - | 2,404 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 7 | - | - | 0 | - | - | 3,529 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | - | 0 | - | - | 1,972 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 183 | - | - | 0 | - | - | 2,811 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 492 | - | - | 0 | - | - | 4,960 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 40 | - | - | 0 | - | - | 2,757 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 460 | - | - | 0 | - | - | 1,304 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | - | 0 | - | - | 808 | - | - |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 65 | 14 | 364.3% | 0 | 0 | 0.0% | 5,572 | 7,674 | -27.4% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,920 | 1,703 | 71.5% | 0 | 0 | 0.0% | 15,310 | 24,219 | -36.8% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 867 | 7,347 | -88.2% | 0 | 0 | 0.0% | 15,237 | 39,900 | -61.8% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,228 | 2,207 | 1.0% | 0 | 0 | 0.0% | 20,719 | 31,922 | -35.1% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 5,541 | -100.0% | 0 | 0 | 0.0% | 7,528 | 9,867 | -23.7% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 334 | 370 | -9.7% | 0 | 0 | 0.0% | 9,404 | 6,230 | 50.9% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 620 | 1,990 | -68.8% | 0 | 0 | 0.0% | 8,157 | 8,587 | -5.0% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 140 | 887 | -84.2% | 0 | 0 | 0.0% | 6,012 | 10,147 | -40.8% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,244 | 1,191 | 4.5% | 0 | 0 | 0.0% | 8,794 | 13,162 | -33.2% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,131 | 4,112 | -48.2% |
| CHF/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 5,011 | 4,228 | 18.5% | 0 | 0 | 0.0% | 24,535 | 33,709 | -27.2% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 2 | -100.0% | 0 | 0 | 0.0% | 135 | 575 | -76.5% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 1,201 | 1 | 120,000.0% | 0 | 0 | 0.0% | 5,443 | 835 | 551.9% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 1,066 | 393 | 171.2% | 0 | 0 | 0.0% | 4,789 | 859 | 457.5% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 5,323 | 47 | 11,225.5% | 0 | 0 | 0.0% | 12,307 | 997 | 1,134.4% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 68 | -100.0% | 0 | 0 | 0.0% | 3,057 | 82 | 3,628.0% |
| EUR/GBP MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 204 | -100.0% |
| EUR/GBP WKLY FRIDAY OPTIC | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 158 | 1,184 | -86.7% | 0 | 0 | 0.0% | 13,375 | 11,438 | 16.9% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 775 | 855 | -9.4% | 0 | 0 | 0.0% | 12,018 | 18,364 | -34.6% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 2,149 | 1,634 | 31.5% | 0 | 0 | 0.0% | 9,395 | 7,412 | 26.8% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 170 | 1,417 | -88.0% | 0 | 0 | 0.0% | 12,694 | 19,426 | -34.7% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 | | | | | | | | | | | | |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,106 | 0 | 0.0% | 0 | 0 | 0.0% | 2,061 | 2,856 | -27.8% |
| EUR/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 235,739 | 262,664 | -10.3% | 0 | 0 | 0.0% | 1,589,215 | 1,605,650 | -1.0% |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 861 | - | - | 0 | - | - | 6,215 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 285 | - | - | 0 | - | - | 4,484 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 40 | - | - | 0 | - | - | 4,528 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 481 | - | - | 0 | - | - | 6,799 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 0 | - | - | 0 | - | - | 99 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 1,015 | - | - | 0 | - | - | 1,709 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 458 | - | - | 0 | - | - | 5,352 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 677 | - | - | 0 | - | - | 5,585 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 421 | - | - | 0 | - | - | 3,758 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | - | 0 | - | - | 1,419 | - | - |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 51 | 321 | -84.1% | 0 | 0 | 0.0% | 13,583 | 36,007 | -62.3% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 22,596 | 4,298 | 425.7% | 0 | 0 | 0.0% | 122,060 | 104,483 | 16.8% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 44,030 | 13,093 | 236.3% | 0 | 0 | 0.0% | 162,995 | 110,682 | 47.3% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 12,809 | 15,353 | -16.6% | 0 | 0 | 0.0% | 188,364 | 132,173 | 42.5% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 22,562 | -100.0% | 0 | 0 | 0.0% | 19,227 | 43,204 | -55.5% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,976 | 6,755 | -26.3% | 0 | 0 | 0.0% | 31,598 | 41,248 | -23.4% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,633 | 7,579 | -52.1% | 0 | 0 | 0.0% | 39,367 | 36,262 | 8.6% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,651 | 4,632 | -42.8% | 0 | 0 | 0.0% | 32,263 | 37,845 | -14.7% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,805 | 7,215 | -61.1% | 0 | 0 | 0.0% | 30,436 | 41,158 | -26.1% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 10,434 | 13,048 | -20.0% |
| EVENT CONTRACT EUR/USD | 0 | - | - | 6,356 | - | - | 0 | - | - | 37,060 | - | - |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 21 | 1,141 | -98.2% | 0 | 0 | 0.0% | 4,357 | 4,136 | 5.3% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 717 | 620 | 15.6% | 0 | 0 | 0.0% | 7,903 | 7,323 | 7.9% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 80 | 82 | -2.4% | 0 | 0 | 0.0% | 2,451 | 2,082 | 17.7% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 173 | 848 | -79.6% | 0 | 0 | 0.0% | 3,238 | 3,881 | -16.6% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 191 | 0 | 0.0% | 0 | 0 | 0.0% | 591 | 361 | 63.7% |
| GBP/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 55,764 | 75,740 | -26.4% | 0 | 0 | 0.0% | 407,573 | 493,619 | -17.4% |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 159 | - | - | 0 | - | - | 1,467 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 860 | - | - | 0 | - | - | 1,576 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 289 | - | - | 0 | - | - | 2,072 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 108 | - | - | 0 | - | - | 866 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 0 | - | - | 0 | - | - | 291 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 30 | - | - | 0 | - | - | 974 | - | - |

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|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 293 | - | - | 0 | - | - | 2,533 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 86 | - | - | 0 | - | - | 1,677 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 132 | - | - | 0 | - | - | 1,416 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | - | 0 | - | - | 341 | - | - |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 15 | -100.0% | 0 | 0 | 0.0% | 2,682 | 4,286 | -37.4% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,623 | 1,567 | 131.2% | 0 | 0 | 0.0% | 21,372 | 14,393 | 48.5% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,755 | 2,615 | 43.6% | 0 | 0 | 0.0% | 27,728 | 19,264 | 43.9% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,699 | 787 | 242.9% | 0 | 0 | 0.0% | 14,719 | 15,447 | -4.7% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 1,458 | -100.0% | 0 | 0 | 0.0% | 4,028 | 5,566 | -27.6% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,324 | 1,389 | -4.7% | 0 | 0 | 0.0% | 5,303 | 9,206 | -42.4% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 857 | 483 | 77.4% | 0 | 0 | 0.0% | 7,859 | 3,510 | 123.9% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,099 | 244 | 760.2% | 0 | 0 | 0.0% | 8,795 | 7,213 | 21.9% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 351 | 1,881 | -81.3% | 0 | 0 | 0.0% | 5,063 | 6,371 | -20.5% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 665 | 481 | 38.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 348 | 767 | -54.6% | 0 | 0 | 0.0% | 3,851 | 2,897 | 32.9% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 505 | 238 | 112.2% | 0 | 0 | 0.0% | 11,147 | 6,030 | 84.9% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 104 | 352 | -70.5% | 0 | 0 | 0.0% | 2,084 | 2,000 | 4.2% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 155 | 1,005 | -84.6% | 0 | 0 | 0.0% | 5,829 | 7,141 | -18.4% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 1,130 | 0 | 0.0% | 0 | 0 | 0.0% | 2,177 | 51 | 4,168.6% |
| JPY/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 132,733 | 95,115 | 39.6% | 0 | 0 | 0.0% | 660,230 | 967,830 | -31.8% |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 1,502 | - | - | 0 | - | - | 1,644 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 606 | - | - | 0 | - | - | 716 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 12 | - | - | 0 | - | - | 235 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 10 | - | - | 0 | - | - | 149 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 0 | - | - | 0 | - | - | 253 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 19 | - | - | 0 | - | - | 110 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 38 | - | - | 0 | - | - | 3,367 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 159 | - | - | 0 | - | - | 2,127 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 529 | - | - | 0 | - | - | 1,513 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 0 | - | - | 0 | - | - | 37 | - | - |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 2 | 16 | -87.5% | 0 | 0 | 0.0% | 3,234 | 23,956 | -86.5% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 9,491 | 2,669 | 255.6% | 0 | 0 | 0.0% | 46,156 | 57,013 | -19.0% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 4,573 | 10,954 | -58.3% | 0 | 0 | 0.0% | 48,349 | 80,717 | -40.1% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 15,032 | 12,294 | 22.3% | 0 | 0 | 0.0% | 46,873 | 74,776 | -37.3% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 12,191 | -100.0% | 0 | 0 | 0.0% | 9,352 | 27,899 | -66.5% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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% | 6,956 | 4,094 | 69.9% | 0 | 0 | 0.0% | 20,538 | 23,573 | -12.9% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,140 | 4,191 | -1.2% | 0 | 0 | 0.0% | 18,720 | 20,913 | -10.5% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,756 | 3,766 | -0.3% | 0 | 0 | 0.0% | 23,364 | 18,654 | 25.2% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,218 | 7,037 | -68.5% | 0 | 0 | 0.0% | 15,462 | 28,729 | -46.2% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,102 | 7,555 | -58.9% |
| MXN/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 1,561 | 89 | 1,653.9% | 0 | 0 | 0.0% | 3,305 | 4,425 | -25.3% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 17 | -100.0% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MXN/USD WKLY FRIDAY OPTI | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NZD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 77 | 3 | 2,466.7% | 0 | 0 | 0.0% | 221 | 506 | -56.3% |
| NZD/USD WKLY FRIDAY OPTIO | 0 | - | - | 0 | - | - | 0 | - | - | 2 | - | - |
| NZD/USD WKLY FRIDAY OPTIO | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| RUB/USD MONTHLY OPTIONS | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| USD/CNH MONTHLY OPTIONS | 0 | - | - | 0 | - | - | 0 | - | - | 51 | - | - |
| USD/CNH WEEKLY FRIDAY OP | 0 | - | - | 0 | - | - | 0 | - | - | 34 | - | - |
| ZAR/USD MONTHLY OPTIONS | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 | | | | | | | | | | | | |
| BLOCK CHEESE | 0 | 0 | 0.0% | 730 | 390 | 87.2% | 0 | 0 | 0.0% | 2,921 | 1,908 | 53.1% |
| BUTTER CS | 0 | 0 | 0.0% | 3,108 | 3,920 | -20.7% | 0 | 0 | 0.0% | 24,329 | 30,390 | -19.9% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 14,038 | 10,256 | 36.9% | 0 | 0 | 0.0% | 94,842 | 67,491 | 40.5% |
| CAT ASIA WEATHER | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 0 | 0 | 0.0% | 1,528,778 | 1,143,406 | 33.7% | 0 | 0 | 0.0% | 9,678,348 | 8,609,110 | 12.4% |
| CAT WEATHER EUROPEAN | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 150 | 0 | 0.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CLASS IV MILK | 0 | 0 | 0.0% | 1,402 | 3,122 | -55.1% | 0 | 0 | 0.0% | 7,482 | 17,449 | -57.1% |
| DRY WHEY | 0 | 0 | 0.0% | 811 | 820 | -1.1% | 0 | 0 | 0.0% | 7,840 | 6,997 | 12.0% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 360,188 | 296,538 | 21.5% | 0 | 0 | 0.0% | 2,415,225 | 1,859,806 | 29.9% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 1,687 | 2,349 | -28.2% | 0 | 0 | 0.0% | 12,150 | 20,816 | -41.6% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 0 | 30 | -100.0% | 0 | 0 | 0.0% | 23 | 52 | -55.8% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 0 | 0 | 0.0% | 1,124,528 | 970,407 | 15.9% | 0 | 0 | 0.0% | 7,801,433 | 6,814,903 | 14.5% |
| HOUSING INDEX | 0 | 0 | 0.0% | 18 | 7 | 157.1% | 0 | 0 | 0.0% | 106 | 118 | -10.2% |
| LUMBER | 0 | 0 | 0.0% | 15,198 | 6,270 | 142.4% | 0 | 0 | 0.0% | 97,038 | 54,530 | 78.0% |
| MALYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 0 | 0.0% | 41,403 | 27,986 | 47.9% | 0 | 0 | 0.0% | 221,522 | 204,368 | 8.4% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 0 | 0 | 0.0% | 3,998 | 5,012 | -20.2% | 0 | 0 | 0.0% | 34,172 | 42,445 | -19.5% |
| OTC SP GSCI ER SWAP | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| PACIFIC RIM DAT SS WTHR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PORK CUTOUT | 0 | 0 | 0.0% | 1,688 | 1,761 | -4.1% | 0 | 0 | 0.0% | 10,747 | 17,216 | -37.6% |
| S&P GSCI ENHANCED ER SWA | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| USD CRUDE PALM OIL | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 | | | | | | | | | | | | |
| BLOCK CHEESE | 0 | 0 | 0.0% | 438 | 86 | 409.3% | 0 | 0 | 0.0% | 1,990 | 2,457 | -19.0% |
| BUTTER CS | 0 | 0 | 0.0% | 2,236 | 1,243 | 79.9% | 0 | 0 | 0.0% | 13,684 | 9,184 | 49.0% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 8,483 | 4,960 | 71.0% | 0 | 0 | 0.0% | 46,294 | 44,663 | 3.7% |
| CATTLE | 0 | 0 | 0.0% | 312,657 | 164,974 | 89.5% | 0 | 0 | 0.0% | 2,079,857 | 1,473,141 | 41.2% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CLASS IV MILK | 0 | 0 | 0.0% | 13,052 | 6,211 | 110.1% | 0 | 0 | 0.0% | 45,981 | 44,677 | 2.9% |
| DRY WHEY | 0 | 0 | 0.0% | 0 | 392 | -100.0% | 0 | 0 | 0.0% | 73 | 2,545 | -97.1% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 49,872 | 37,123 | 34.3% | 0 | 0 | 0.0% | 394,577 | 243,205 | 62.2% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 0 | 0 | 0.0% | 339,354 | 212,690 | 59.6% | 0 | 0 | 0.0% | 2,114,350 | 1,580,586 | 33.8% |
| LUMBER | 0 | 0 | 0.0% | 280 | 291 | -3.8% | 0 | 0 | 0.0% | 1,738 | 3,154 | -44.9% |
| LV CATL CSO | 0 | - | - | 0 | - | - | 0 | - | - | 60 | - | - |
| MILK | 0 | 0 | 0.0% | 25,991 | 33,800 | -23.1% | 0 | 0 | 0.0% | 153,026 | 144,935 | 5.6% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 4 | 0 | 0.0% | 0 | 0 | 0.0% | 19 | 45 | -57.8% |
| NFD MILK | 0 | 0 | 0.0% | 2,868 | 3,028 | -5.3% | 0 | 0 | 0.0% | 24,885 | 25,029 | -0.6% |
| PORK CUTOUT | 0 | 0 | 0.0% | 4 | 0 | 0.0% | 0 | 0 | 0.0% | 11 | 35 | -68.6% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 401,277 | 742,571 | -46.0% | 54,850,772 | 59,811,472 | -8.3% | 5,401,607 | 5,942,074 | -9.1% | 505,110,474 | 495,898,849 | 1.9% |
| Equity Index Futures | 0 | 0 | 0.0% | 79,541,079 | 106,039,079 | -25.0% | 0 | 0 | 0.0% | 714,165,835 | 870,924,299 | -18.0% |
| FX Futures | 0 | 0 | 0.0% | 16,777,110 | 18,226,826 | -8.0% | 0 | 0 | 0.0% | 126,333,824 | 126,208,302 | 0.1% |
| Ag Products Futures | 0 | 0 | 0.0% | 3,097,575 | 2,472,274 | 25.3% | 0 | 0 | 0.0% | 20,408,328 | 17,747,599 | 15.0% |
| TOTAL FUTURES | 401,277 | 742,571 | -46.0% | 154,266,536 | 186,549,651 | -17.3% | 5,401,607 | 5,942,074 | -9.1% | 1,366,018,461 | 1,510,779,049 | -9.6% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2023 | Open Outcry JUL 2022 | % CHG | ELEC JUL 2023 | ELEC JUL 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 OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 0 | 0 | 0.0% | 22,212,599 | 18,829,046 | 18.0% | 0 | 0 | 0.0% | 171,898,290 | 157,824,858 | 8.9% |
| Interest Rate Options | 14,743,301 | 10,807,196 | 36.4% | 7,351,243 | 5,229,540 | 40.6% | 180,045,002 | 114,418,861 | 57.4% | 78,737,967 | 50,195,542 | 56.9% |
| FX Options | 0 | 0 | 0.0% | 736,044 | 748,993 | -1.7% | 0 | 0 | 0.0% | 4,884,988 | 5,422,666 | -9.9% |
| Ag Products Options | 0 | 0 | 0.0% | 755,239 | 464,798 | 62.5% | 0 | 0 | 0.0% | 4,876,545 | 3,573,656 | 36.5% |
| TOTAL OPTIONS | 14,743,301 | 10,807,196 | 36.4% | 31,055,125 | 25,272,377 | 22.9% | 180,045,002 | 114,418,861 | 57.4% | 260,397,790 | 217,016,722 | 20.0% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 15,144,578 | 11,549,767 | 31.1% | 62,202,015 | 65,041,012 | -4.4% | 185,446,609 | 120,360,935 | 54.1% | 583,848,441 | 546,094,391 | 6.9% |
| Equity Index | 0 | 0 | 0.0% | 101,753,678 | 124,868,125 | -18.5% | 0 | 0 | 0.0% | 886,064,125 | 1,028,749,157 | -13.9% |
| FX | 0 | 0 | 0.0% | 17,513,154 | 18,975,819 | -7.7% | 0 | 0 | 0.0% | 131,218,812 | 131,630,968 | -0.3% |
| Ag Products | 0 | 0 | 0.0% | 3,852,814 | 2,937,072 | 31.2% | 0 | 0 | 0.0% | 25,284,873 | 21,321,255 | 18.6% |
| GRAND TOTAL | 15,144,578 | 11,549,767 | 31.1% | 185,321,661 | 211,822,028 | -12.5% | 185,446,609 | 120,360,935 | 54.1% | 1,626,416,251 | 1,727,795,771 | -5.9% |

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