



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUN 2019 | Open Outcry JUN 2018 | % CHG | ELEC JUN 2019 | ELEC JUN 2018 | % CHG | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 35 | 7,907 | -99.6% | 0 | 0 | 0.0% | 186 | 30,042 | -99.4% |
| EURODOLLARS | 1,104,692 | 689,410 | 60.2% | 75,184,622 | 51,718,921 | 45.4% | 4,971,530 | 5,457,112 | -8.9% | 367,333,953 | 410,877,073 | -10.6% |
| SOFR | 0 | 0 | 0.0% | 533,181 | 32,511 | 1,540.0% | 0 | 0 | 0.0% | 3,399,307 | 66,142 | 5,039.4% |
| SONIA | 0 | - | - | 138,518 | - | - | 0 | - | - | 979,077 | - | - |
| Interest Rate Options | | | | | | | | | | | | |
| EURODOLLARS | 21,675,572 | 7,118,106 | 204.5% | 15,116,640 | 4,318,157 | 250.1% | 86,598,526 | 59,695,410 | 45.1% | 48,212,735 | 29,270,507 | 64.7% |
| EURO MIDCURVE | 8,585,595 | 7,389,438 | 16.2% | 7,431,360 | 4,899,529 | 51.7% | 47,801,164 | 60,319,551 | -20.8% | 38,639,309 | 35,036,562 | 10.3% |
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN FUTURES | 0 | 0 | 0.0% | 167,362 | 63,733 | 162.6% | 0 | 0 | 0.0% | 941,222 | 341,754 | 175.4% |
| E-MINI COM SERVICES SELEC | 0 | - | - | 2,335 | - | - | 0 | - | - | 16,979 | - | - |
| E-mini FTSE 100 (USD) | 0 | 0 | 0.0% | 0 | 935 | -100.0% | 0 | 0 | 0.0% | 336 | 9,920 | -96.6% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 13 | 866 | -98.5% | 0 | 0 | 0.0% | 711 | 7,469 | -90.5% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 424,169 | 480,104 | -11.7% | 0 | 0 | 0.0% | 2,037,023 | 2,356,612 | -13.6% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 9,423,732 | 8,347,607 | 12.9% | 0 | 0 | 0.0% | 59,560,001 | 55,083,806 | 8.1% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 3,694 | 10,380 | -64.4% | 0 | 0 | 0.0% | 22,240 | 52,424 | -57.6% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 8,671 | 6,817 | 27.2% | 0 | 0 | 0.0% | 23,097 | 44,979 | -48.6% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 11,291 | 16,292 | -30.7% | 0 | 0 | 0.0% | 46,601 | 56,650 | -17.7% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 3,618,527 | 3,807,789 | -5.0% | 0 | 0 | 0.0% | 17,869,340 | 17,045,651 | 4.8% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 36,168,038 | 35,577,555 | 1.7% | 0 | 0 | 0.0% | 199,207,640 | 217,788,738 | -8.5% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 2,226 | 2,126 | 4.7% | 0 | 0 | 0.0% | 15,801 | 19,196 | -17.7% |
| FT-SE 100 | 0 | 0 | 0.0% | 0 | 940 | -100.0% | 0 | 0 | 0.0% | 372 | 8,131 | -95.4% |
| FTSE Emerging | 0 | 0 | 0.0% | 1,816 | 65 | 2,693.8% | 0 | 0 | 0.0% | 13,509 | 687 | 1,866.4% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 592 | 730 | -18.9% | 0 | 0 | 0.0% | 3,741 | 6,223 | -39.9% |
| MICRO E-MINI NASDAQ 100 | 0 | - | - | 3,029,064 | - | - | 0 | - | - | 6,023,411 | - | - |
| MICRO E-MINI RUSSELL 2000 | 0 | - | - | 375,630 | - | - | 0 | - | - | 918,887 | - | - |
| MICRO E-MINI S&P500 | 0 | - | - | 4,529,623 | - | - | 0 | - | - | 9,348,045 | - | - |
| NASDAQ BIOTECH | 0 | 0 | 0.0% | 468 | 0 | 0.0% | 0 | 0 | 0.0% | 1,806 | 0 | 0.0% |
| NIFTY 50 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 54,444 | -100.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 269,391 | 270,510 | -0.4% | 0 | 0 | 0.0% | 1,340,638 | 2,135,106 | -37.2% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 891,395 | 766,529 | 16.3% | 228 | 0 | 0.0% | 4,596,091 | 5,704,066 | -19.4% |
| S&P 500 | 63,932 | 99,374 | -35.7% | 1,094 | 3,398 | -67.8% | 153,857 | 295,996 | -48.0% | 9,031 | 35,148 | -74.3% |
| S&P 500 ANNUAL DIVIDEND IN | 0 | 0 | 0.0% | 16,733 | 4,762 | 251.4% | 0 | 0 | 0.0% | 63,958 | 25,390 | 151.9% |
| S&P 500/GI | 0 | 0 | 0.0% | 20 | 26 | -23.1% | 0 | 0 | 0.0% | 40 | 52 | -23.1% |
| S&P 500 QUARLY DIVIDEND IN | 0 | 0 | 0.0% | 0 | 20 | -100.0% | 0 | 0 | 0.0% | 521 | 462 | 12.8% |
| S&P 600 SMALLCAP EMINI | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 9,310 | 16,574 | -43.8% | 0 | 0 | 0.0% | 45,182 | 84,156 | -46.3% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 20,034 | 17,735 | 13.0% | 0 | 0 | 0.0% | 68,419 | 72,372 | -5.5% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 11,484 | 29,167 | -60.6% | 0 | 0 | 0.0% | 70,901 | 118,430 | -40.1% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 25,851 | 36,370 | -28.9% | 0 | 0 | 0.0% | 105,540 | 164,495 | -35.8% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 15,314 | 14,597 | 4.9% | 0 | 0 | 0.0% | 67,360 | 73,375 | -8.2% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 7,083 | 13,921 | -49.1% | 0 | 0 | 0.0% | 47,639 | 70,149 | -32.1% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 8,279 | 8,515 | -2.8% | 0 | 0 | 0.0% | 39,940 | 41,436 | -3.6% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 12,321 | 23,213 | -46.9% | 0 | 0 | 0.0% | 65,655 | 112,768 | -41.8% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 16,949 | 29,884 | -43.3% | 0 | 0 | 0.0% | 101,810 | 125,161 | -18.7% |
| S&P VALUE INDEX FUTURES | 0 | 0 | 0.0% | 24 | 28 | -14.3% | 0 | 0 | 0.0% | 48 | 56 | -14.3% |
| YEN DENOMINATED TOPIX | 0 | 0 | 0.0% | 20,455 | 843 | 2,326.5% | 0 | 0 | 0.0% | 103,299 | 2,274 | 4,442.6% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Options | | | | | | | | | | | | |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 206,567 | 182,334 | 13.3% | 0 | 0 | 0.0% | 1,238,807 | 1,482,469 | -16.4% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 18,126 | 8,249 | 119.7% | 0 | 0 | 0.0% | 78,206 | 83,245 | -6.1% |
| E-MINI S&P500 | 0 | 375 | -100.0% | 5,602,616 | 4,604,777 | 21.7% | 345 | 5,330 | -93.5% | 29,614,784 | 37,302,834 | -20.6% |
| EOM E-MINI RUSSELL 2000 EN | 0 | 0 | 0.0% | 10,668 | 5,902 | 80.8% | 0 | 0 | 0.0% | 51,478 | 37,944 | 35.7% |
| EOM EMINI S&P | 0 | 0 | 0.0% | 1,823,441 | 2,324,037 | -21.5% | 0 | 0 | 0.0% | 11,182,919 | 16,313,747 | -31.5% |
| EOM S&P 500 | 147,140 | 198,808 | -26.0% | 0 | 0 | 0.0% | 788,911 | 1,269,267 | -37.8% | 0 | 0 | 0.0% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 1,405 | 2,129 | -34.0% | 0 | 0 | 0.0% | 8,861 | 14,686 | -39.7% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 3,209 | 1,845 | 73.9% | 0 | 0 | 0.0% | 10,454 | 19,814 | -47.2% |
| EOW1 EMINI S&P 500 | 0 | 0 | 0.0% | 1,302,038 | 669,904 | 94.4% | 0 | 0 | 0.0% | 5,673,095 | 6,719,134 | -15.6% |
| EOW1 S&P 500 | 100,809 | 42,528 | 137.0% | 0 | 0 | 0.0% | 384,093 | 411,706 | -6.7% | 0 | 0 | 0.0% |
| EOW2 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 4,674 | 5,518 | -15.3% | 0 | 0 | 0.0% | 22,314 | 35,027 | -36.3% |
| EOW2 EMINI S&P 500 | 0 | 0 | 0.0% | 980,451 | 668,029 | 46.8% | 0 | 0 | 0.0% | 6,031,053 | 8,214,279 | -26.6% |
| EOW2 S&P 500 | 62,579 | 134,334 | -53.4% | 0 | 0 | 0.0% | 738,801 | 897,439 | -17.7% | 0 | 0 | 0.0% |
| EOW3 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 8,496 | 17,810 | -52.3% | 0 | 0 | 0.0% | 62,199 | 145,005 | -57.1% |
| EOW3 EMINI S&P 500 | 0 | 0 | 0.0% | 1,526,011 | 2,022,039 | -24.5% | 0 | 0 | 0.0% | 13,555,724 | 23,303,536 | -41.8% |
| EOW3 S&P 500 | 91,449 | 93,380 | -2.1% | 0 | 0 | 0.0% | 776,212 | 1,999,117 | -61.2% | 0 | 0 | 0.0% |
| EOW4 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 261 | 3,807 | -93.1% | 0 | 0 | 0.0% | 17,541 | 40,406 | -56.6% |
| EOW4 EMINI S&P 500 | 0 | 0 | 0.0% | 46,586 | 848,625 | -94.5% | 0 | 0 | 0.0% | 4,848,673 | 7,524,986 | -35.6% |
| S&P 500 | 299,014 | 337,725 | -11.5% | 0 | 0 | 0.0% | 1,424,306 | 1,957,458 | -27.2% | 0 | 0 | 0.0% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 2 | 7 | -71.4% | 0 | 0 | 0.0% | 104 | 42 | 147.6% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 3,531 | 4,890 | -27.8% | 0 | 0 | 0.0% | 17,789 | 23,468 | -24.2% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 130 | 66 | 97.0% | 0 | 0 | 0.0% | 508 | 452 | 12.4% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 2,534,270 | 2,461,509 | 3.0% | 0 | 0 | 0.0% | 13,146,796 | 14,566,543 | -9.7% |
| BDI | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 3,846 | 2,542 | 51.3% | 0 | 0 | 0.0% | 15,123 | 19,389 | -22.0% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 350 | 279 | 25.4% | 0 | 0 | 0.0% | 2,374 | 1,969 | 20.6% |
| BRAZIL REAL | 0 | 0 | 0.0% | 142,891 | 124,216 | 15.0% | 0 | 0 | 0.0% | 675,466 | 584,154 | 15.6% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,375,576 | 3,011,581 | -21.1% | 0 | 7 | -100.0% | 14,480,037 | 16,743,154 | -13.5% |
| CANADIAN DOLLAR | 0 | 5 | -100.0% | 1,922,067 | 2,130,178 | -9.8% | 3 | 38 | -92.1% | 9,818,521 | 11,025,234 | -10.9% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 14 | -100.0% | 0 | 0 | 0.0% | 119 | 538 | -77.9% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 28,773 | 2,786 | 932.8% | 0 | 0 | 0.0% | 155,520 | 14,636 | 962.6% |

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|-----------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| FX Futures | | | | | | | | | | | | |
| CZECK KORUNA (EC) | 0 | - | - | 8 | - | - | 0 | - | - | 18 | - | - |
| CZECK KORUNA (US) | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 12,053 | 3,987 | 202.3% | 0 | 0 | 0.0% | 29,306 | 10,282 | 185.0% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 7,446 | 6,230 | 19.5% | 0 | 0 | 0.0% | 19,760 | 23,198 | -14.8% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 724 | 642 | 12.8% | 0 | 0 | 0.0% | 2,946 | 2,179 | 35.2% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 1,766 | 2,317 | -23.8% | 0 | 0 | 0.0% | 4,121 | 5,547 | -25.7% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 125,789 | 137,932 | -8.8% | 0 | 0 | 0.0% | 547,521 | 497,564 | 10.0% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 103,005 | 128,820 | -20.0% | 0 | 0 | 0.0% | 387,892 | 528,365 | -26.6% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 58,651 | 39,014 | 50.3% | 0 | 0 | 0.0% | 201,125 | 177,323 | 13.4% |
| E-MICRO AUD/USD | 0 | 0 | 0.0% | 84,530 | 90,324 | -6.4% | 0 | 0 | 0.0% | 695,440 | 597,599 | 16.4% |
| E-MICRO CAD/USD | 0 | 0 | 0.0% | 19,231 | 21,847 | -12.0% | 0 | 0 | 0.0% | 101,076 | 112,649 | -10.3% |
| E-MICRO CHF/USD | 0 | 0 | 0.0% | 2,720 | 1,644 | 65.5% | 0 | 0 | 0.0% | 11,689 | 8,260 | 41.5% |
| E-MICRO EUR/USD | 0 | 0 | 0.0% | 259,691 | 419,734 | -38.1% | 0 | 0 | 0.0% | 1,515,470 | 2,463,981 | -38.5% |
| E-MICRO GBP/USD | 0 | 0 | 0.0% | 31,001 | 41,991 | -26.2% | 0 | 0 | 0.0% | 255,902 | 312,086 | -18.0% |
| E-MICRO INR/USD | 0 | 0 | 0.0% | 3,555 | 5,877 | -39.5% | 0 | 0 | 0.0% | 27,707 | 24,550 | 12.9% |
| E-MICRO JPY/USD | 0 | 0 | 0.0% | 27,801 | 28,472 | -2.4% | 0 | 0 | 0.0% | 168,077 | 199,307 | -15.7% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 144,618 | 154,385 | -6.3% | 0 | 0 | 0.0% | 602,719 | 672,518 | -10.4% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 9,903 | 17,728 | -44.1% | 0 | 0 | 0.0% | 63,101 | 80,571 | -21.7% |
| EURO FX | 3 | 4 | -25.0% | 5,563,264 | 7,331,565 | -24.1% | 42 | 450 | -90.7% | 26,206,287 | 36,301,190 | -27.8% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HUNGARIAN FORINT (US) | 0 | - | - | 0 | - | - | 0 | - | - | 8 | - | - |
| INDIAN RUPEE | 0 | 0 | 0.0% | 61,878 | 102,016 | -39.3% | 0 | 0 | 0.0% | 414,559 | 556,767 | -25.5% |
| JAPANESE YEN | 0 | 83 | -100.0% | 3,156,837 | 3,075,581 | 2.6% | 0 | 100 | -100.0% | 16,054,435 | 19,297,950 | -16.8% |
| KOREAN WON | 0 | 0 | 0.0% | 429 | 224 | 91.5% | 0 | 0 | 0.0% | 1,488 | 1,525 | -2.4% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,636,529 | 1,791,902 | -8.7% | 0 | 0 | 0.0% | 8,062,534 | 8,588,245 | -6.1% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 724,972 | 643,141 | 12.7% | 0 | 0 | 0.0% | 3,580,671 | 4,045,837 | -11.5% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 9,058 | 6,241 | 45.1% | 0 | 0 | 0.0% | 26,061 | 24,418 | 6.7% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 4 | 11 | -63.6% | 0 | 0 | 0.0% | 394 | 75 | 425.3% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 129 | 75 | 72.0% | 0 | 0 | 0.0% | 583 | 594 | -1.9% |
| RMB USD | 0 | 0 | 0.0% | 0 | 1 | -100.0% | 0 | 0 | 0.0% | 5 | 17 | -70.6% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 139,804 | 52,160 | 168.0% | 0 | 0 | 0.0% | 397,997 | 338,019 | 17.7% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 55,817 | 57,203 | -2.4% | 0 | 0 | 0.0% | 239,714 | 268,133 | -10.6% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 7 | 0 | 0.0% |
| SHEKEL | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 4,308 | 6,390 | -32.6% | 0 | 0 | 0.0% | 15,828 | 22,664 | -30.2% |

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| FX Futures | | | | | | | | | | | | |
| SWISS FRANC | 0 | 0 | 0.0% | 802,112 | 685,378 | 17.0% | 0 | 0 | 0.0% | 3,325,829 | 3,615,357 | -8.0% |
| TURKISH LIRA | 0 | 0 | 0.0% | 8 | 0 | 0.0% | 0 | 0 | 0.0% | 16 | 0 | 0.0% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20 | 5 | 300.0% |
| FX Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | 0 | 0.0% | 83,833 | 120,095 | -30.2% | 0 | 0 | 0.0% | 613,890 | 755,169 | -18.7% |
| AUSTRALIAN DLR (EU) | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| AUSTRALIAN DOLLAR | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| BRAZIL REAL | 0 | - | - | 2 | - | - | 0 | - | - | 56 | - | - |
| BRITISH POUND | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| BRITISH POUND (EU) | 0 | 0 | 0.0% | 0 | 13 | -100.0% | 0 | 0 | 0.0% | 0 | 241 | -100.0% |
| CAD/USD PQO 2pm Fix | 236 | 315 | -25.1% | 98,581 | 181,913 | -45.8% | 817 | 1,934 | -57.8% | 629,303 | 1,033,615 | -39.1% |
| CANADIAN DOLLAR | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CANADIAN DOLLAR (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 63 | -100.0% |
| CHF/USD PQO 2pm Fix | 0 | 0 | 0.0% | 4,557 | 5,418 | -15.9% | 0 | 0 | 0.0% | 16,709 | 18,670 | -10.5% |
| EFX/BP CROSS RATES | 0 | - | - | 0 | - | - | 0 | - | - | 74 | - | - |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO FX | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| EURO FX (EU) | 0 | 0 | 0.0% | 0 | 3 | -100.0% | 0 | 0 | 0.0% | 0 | 31 | -100.0% |
| EUR/USD PQO 2pm Fix | 567 | 745 | -23.9% | 536,646 | 738,572 | -27.3% | 7,530 | 8,300 | -9.3% | 3,191,275 | 4,953,313 | -35.6% |
| GBP/USD PQO 2pm Fix | 33 | 96 | -65.6% | 82,474 | 225,534 | -63.4% | 732 | 576 | 27.1% | 1,007,241 | 1,447,984 | -30.4% |
| JAPANESE YEN | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JPY/USD PQO 2pm Fix | 48 | 450 | -89.3% | 201,830 | 217,380 | -7.2% | 88 | 3,883 | -97.7% | 1,255,464 | 1,578,416 | -20.5% |
| MEXICAN PESO | 0 | 1,193 | -100.0% | 2,088 | 1,790 | 16.6% | 900 | 3,888 | -76.9% | 8,840 | 9,682 | -8.7% |
| NEW ZEALND DOLLAR | 0 | - | - | 136 | - | - | 0 | - | - | 2,589 | - | - |
| SWISS FRANC | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| SWISS FRANC (EU) | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| Foreign Exchange Futures | | | | | | | | | | | | |
| CHILEAN PESO | 0 | 0 | 0.0% | 0 | 307 | -100.0% | 0 | 0 | 0.0% | 0 | 8,795 | -100.0% |



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUN 2019 | Open Outcry JUN 2018 | % CHG | ELEC JUN 2019 | ELEC JUN 2018 | % CHG | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG |
|---------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Foreign Exchange Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | 0 | 0.0% | 380 | 1,041 | -63.5% | 0 | 0 | 0.0% | 5,386 | 4,655 | 15.7% |
| Ag Products Futures | | | | | | | | | | | | |
| BUTTER CS | 0 | 0 | 0.0% | 3,106 | 4,941 | -37.1% | 0 | 0 | 0.0% | 22,377 | 27,305 | -18.0% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 9,781 | 14,967 | -34.6% | 0 | 0 | 0.0% | 67,404 | 60,453 | 11.5% |
| CATTLE | 171 | 2,010 | -91.5% | 1,131,885 | 1,167,660 | -3.1% | 8,677 | 8,646 | 0.4% | 8,888,356 | 8,323,047 | 6.8% |
| CAT WEATHER EUROPEAN | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| 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 | 52 | 0 | 0.0% | 1,905 | 675 | 182.2% | 157 | 0 | 0.0% | 14,800 | 3,568 | 314.8% |
| DRY WHEY | 0 | 0 | 0.0% | 1,180 | 1,808 | -34.7% | 0 | 0 | 0.0% | 8,333 | 7,869 | 5.9% |
| FEEDER CATTLE | 15 | 0 | 0.0% | 278,916 | 244,093 | 14.3% | 105 | 12 | 775.0% | 1,876,569 | 1,735,393 | 8.1% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 27,823 | 33,276 | -16.4% | 0 | 0 | 0.0% | 173,417 | 191,679 | -9.5% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 0 | 9 | -100.0% | 0 | 0 | 0.0% | 0 | 305 | -100.0% |
| HDD EURO SEASONAL STRIP | - | 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 | 55 | -100.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 1,286 | 1,494 | -13.9% | 1,414,681 | 1,305,756 | 8.3% | 12,025 | 8,619 | 39.5% | 7,993,367 | 6,569,929 | 21.7% |
| HOUSING INDEX | 0 | 0 | 0.0% | 2 | 15 | -86.7% | 0 | 0 | 0.0% | 71 | 52 | 36.5% |
| LUMBER | 0 | 0 | 0.0% | 16,465 | 22,984 | -28.4% | 0 | 0 | 0.0% | 87,249 | 118,709 | -26.5% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 113 | 176 | -35.8% | 21,861 | 32,925 | -33.6% | 220 | 868 | -74.7% | 147,663 | 131,942 | 11.9% |
| 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% | 5,331 | 4,232 | 26.0% | 0 | 43 | -100.0% | 40,176 | 31,094 | 29.2% |
| 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 JUN 2019 | Open Outcry JUN 2018 | % CHG | ELEC JUN 2019 | ELEC JUN 2018 | % CHG | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|---------------|--------------------|--------------------|--------------|
| Ag Products Options | | | | | | | | | | | | |
| BUTTER CS | 102 | 2,254 | -95.5% | 1,725 | 3,824 | -54.9% | 3,715 | 7,791 | -52.3% | 20,074 | 16,744 | 19.9% |
| CASH-SETTLED CHEESE | 1,217 | 3,414 | -64.4% | 7,269 | 11,140 | -34.7% | 11,271 | 15,990 | -29.5% | 50,765 | 44,063 | 15.2% |
| CATTLE | 16,712 | 26,502 | -36.9% | 143,496 | 156,198 | -8.1% | 168,854 | 175,204 | -3.6% | 1,071,860 | 1,428,922 | -25.0% |
| CAT WEATHER EUROPEAN | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| 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% |
| CLASS IV MILK | 444 | 38 | 1,068.4% | 3,323 | 770 | 331.6% | 3,098 | 493 | 528.4% | 22,279 | 4,999 | 345.7% |
| DRY WHEY | 185 | 296 | -37.5% | 549 | 951 | -42.3% | 692 | 1,119 | -38.2% | 5,490 | 2,521 | 117.8% |
| FEEDER CATTLE | 3,304 | 980 | 237.1% | 33,346 | 15,327 | 117.6% | 12,598 | 13,133 | -4.1% | 183,448 | 173,388 | 5.8% |
| 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% |
| HOGS | 15,613 | 32,849 | -52.5% | 365,419 | 207,861 | 75.8% | 214,627 | 154,077 | 39.3% | 1,987,316 | 1,009,897 | 96.8% |
| HOUSING INDEX | 0 | 0 | 0.0% | 7 | 0 | 0.0% | 0 | 0 | 0.0% | 7 | 0 | 0.0% |
| LUMBER | 0 | 49 | -100.0% | 1,899 | 1,962 | -3.2% | 70 | 206 | -66.0% | 11,399 | 11,866 | -3.9% |
| LV CATL CSO | 40 | 5 | 700.0% | 0 | 0 | 0.0% | 479 | 108 | 343.5% | 0 | 0 | 0.0% |
| MILK | 3,698 | 5,101 | -27.5% | 30,589 | 40,167 | -23.8% | 16,482 | 41,060 | -59.9% | 208,317 | 145,976 | 42.7% |
| MLK MID OPTIONS | 0 | 12 | -100.0% | 5 | 1 | 400.0% | 8 | 290 | -97.2% | 181 | 1 | 18,000.0% |
| NFD MILK | 147 | 488 | -69.9% | 3,317 | 4,937 | -32.8% | 767 | 7,233 | -89.4% | 39,623 | 25,564 | 55.0% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 1,104,692 | 689,410 | 60.2% | 75,856,356 | 51,759,339 | 46.6% | 4,971,530 | 5,457,112 | -8.9% | 371,712,523 | 410,973,257 | -9.6% |
| Equity Index Futures | 63,932 | 99,374 | -35.7% | 59,092,988 | 49,552,031 | 19.3% | 154,085 | 295,996 | -47.9% | 302,776,834 | 301,641,580 | 0.4% |
| FX Futures | 3 | 92 | -96.7% | 20,059,077 | 22,590,900 | -11.2% | 45 | 595 | -92.4% | 101,272,663 | 121,756,354 | -16.8% |
| Foreign Exchange Futures | 0 | 0 | 0.0% | 0 | 307 | -100.0% | 0 | 0 | 0.0% | 0 | 8,795 | -100.0% |
| Ag Products Futures | 1,637 | 3,680 | -55.5% | 2,912,936 | 2,833,341 | 2.8% | 21,184 | 18,188 | 16.5% | 19,319,782 | 17,201,400 | 12.3% |
| TOTAL FUTURES | 1,170,264 | 792,556 | 47.7% | 157,921,357 | 126,735,918 | 24.6% | 5,146,844 | 5,771,891 | -10.8% | 795,081,802 | 851,581,386 | -6.6% |

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CME Exchange Volume Comparison Report - Monthly

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|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|--------------|------------------------------|------------------------------|-------------|--------------------|----------------------|--------------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 700,991 | 807,150 | -13.2% | 11,534,549 | 11,365,005 | 1.5% | 4,112,668 | 6,540,317 | -37.1% | 72,396,108 | 101,237,112 | -28.5% |
| Interest Rate Options | 30,261,167 | 14,507,544 | 108.6% | 22,548,000 | 9,217,686 | 144.6% | 134,399,690 | 120,014,961 | 12.0% | 86,852,044 | 64,307,069 | 35.1% |
| FX Options | 884 | 2,799 | -68.4% | 1,010,147 | 1,490,718 | -32.2% | 10,067 | 18,581 | -45.8% | 6,725,441 | 9,797,184 | -31.4% |
| Ag Products Options | 41,462 | 71,988 | -42.4% | 590,944 | 443,138 | 33.4% | 432,661 | 416,704 | 3.8% | 3,600,759 | 2,863,941 | 25.7% |
| Foreign Exchange Options | 0 | 0 | 0.0% | 380 | 1,041 | -63.5% | 0 | 0 | 0.0% | 5,386 | 4,655 | 15.7% |
| TOTAL OPTIONS | 31,004,504 | 15,389,481 | 101.5% | 35,684,020 | 22,517,588 | 58.5% | 138,955,086 | 126,990,563 | 9.4% | 169,579,738 | 178,209,961 | -4.8% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 31,365,859 | 15,196,954 | 106.4% | 98,404,356 | 60,977,025 | 61.4% | 139,371,220 | 125,472,073 | 11.1% | 458,564,567 | 475,280,326 | -3.5% |
| Equity Index | 764,923 | 906,524 | -15.6% | 70,627,537 | 60,917,036 | 15.9% | 4,266,753 | 6,836,313 | -37.6% | 375,172,942 | 402,878,692 | -6.9% |
| FX | 887 | 2,891 | -69.3% | 21,069,224 | 24,081,618 | -12.5% | 10,112 | 19,176 | -47.3% | 107,998,104 | 131,553,538 | -17.9% |
| Foreign Exchange | 0 | 0 | 0.0% | 380 | 1,348 | -71.8% | 0 | 0 | 0.0% | 5,386 | 13,450 | -60.0% |
| Ag Products | 43,099 | 75,668 | -43.0% | 3,503,880 | 3,276,479 | 6.9% | 453,845 | 434,892 | 4.4% | 22,920,541 | 20,065,341 | 14.2% |
| GRAND TOTAL | 32,174,768 | 16,182,037 | 98.8% | 193,605,377 | 149,253,506 | 29.7% | 144,101,930 | 132,762,454 | 8.5% | 964,661,540 | 1,029,791,347 | -6.3% |

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