



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2018 | Open Outcry JUL 2017 | % CHG | ELEC JUL 2018 | ELEC JUL 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 1,124 | 2,105 | -46.6% | 0 | 0 | 0.0% | 31,166 | 40,134 | -22.3% |
| EURODOLLARS | 504,953 | 356,553 | 41.6% | 37,334,122 | 39,762,954 | -6.1% | 5,962,065 | 4,446,871 | 34.1% | 448,211,195 | 382,293,209 | 17.2% |
| SOFR | 0 | - | - | 64,874 | - | - | 0 | - | - | 131,016 | - | - |
| Interest Rate Options | | | | | | | | | | | | |
| EURODOLLARS | 7,297,228 | 3,960,773 | 84.2% | 3,000,724 | 2,698,879 | 11.2% | 66,992,638 | 63,334,403 | 5.8% | 32,271,231 | 29,691,735 | 8.7% |
| EURO MIDCURVE | 5,086,327 | 5,005,977 | 1.6% | 2,694,156 | 4,157,744 | -35.2% | 65,405,878 | 60,776,256 | 7.6% | 37,730,718 | 34,727,157 | 8.6% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|-----------|
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN FUTURES | 0 | - | - | 129,418 | - | - | 0 | - | - | 471,172 | - | - |
| E-mini FTSE 100 (USD) | 0 | 0 | 0.0% | 885 | 19 | 4,557.9% | 0 | 0 | 0.0% | 10,805 | 85 | 12,611.8% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 715 | 1,662 | -57.0% | 0 | 0 | 0.0% | 8,184 | 9,845 | -16.9% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 266,970 | 238,414 | 12.0% | 0 | 0 | 0.0% | 2,623,582 | 2,546,980 | 3.0% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 7,252,366 | 5,460,087 | 32.8% | 0 | 0 | 0.0% | 62,336,172 | 36,454,205 | 71.0% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 8,154 | 2,100 | 288.3% | 0 | 0 | 0.0% | 60,578 | 9,009 | 572.4% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 7,108 | 1,609 | 341.8% | 0 | 0 | 0.0% | 52,087 | 6,835 | 662.1% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 8,020 | 2,063 | 288.8% | 0 | 0 | 0.0% | 64,670 | 12,702 | 409.1% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 2,225,633 | 134,648 | 1,552.9% | 0 | 0 | 0.0% | 19,271,284 | 134,648 | 14,212.3% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 23,169,451 | 22,133,365 | 4.7% | 0 | 0 | 0.0% | 240,958,189 | 216,138,740 | 11.5% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 3,703 | 1,270 | 191.6% | 0 | 0 | 0.0% | 22,899 | 19,550 | 17.1% |
| FT-SE 100 | 0 | 0 | 0.0% | 1,010 | 848 | 19.1% | 0 | 0 | 0.0% | 9,141 | 2,679 | 241.2% |
| FTSE Emerging | 0 | 0 | 0.0% | 1,357 | 0 | 0.0% | 0 | 0 | 0.0% | 2,044 | 185 | 1,004.9% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 875 | 152 | 475.7% | 0 | 0 | 0.0% | 7,098 | 4,168 | 70.3% |
| NASDAQ BIOTECH | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NIFTY 50 | 0 | 0 | 0.0% | 0 | 15,006 | -100.0% | 0 | 0 | 0.0% | 54,444 | 68,775 | -20.8% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 182,851 | 170,906 | 7.0% | 0 | 0 | 0.0% | 2,317,957 | 1,859,983 | 24.6% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 596,135 | 663,953 | -10.2% | 0 | 0 | 0.0% | 6,300,201 | 6,368,306 | -1.1% |
| S&P 500 | 8,526 | 21,861 | -61.0% | 1,716 | 3,769 | -54.5% | 304,522 | 504,305 | -39.6% | 36,864 | 31,683 | 16.4% |
| S&P 500/GI | 0 | 0 | 0.0% | 0 | 6 | -100.0% | 0 | 0 | 0.0% | 52 | 144 | -63.9% |
| S&P 500/VALUE | 0 | 0 | 0.0% | 1,714 | 9,684 | -82.3% | 0 | 0 | 0.0% | 27,622 | 57,329 | -51.8% |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 8,326 | 2,992 | 178.3% | 0 | 0 | 0.0% | 92,482 | 28,198 | 228.0% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 10,179 | 2,626 | 287.6% | 0 | 0 | 0.0% | 82,551 | 43,932 | 87.9% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 11,647 | 7,718 | 50.9% | 0 | 0 | 0.0% | 130,077 | 71,389 | 82.2% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 31,775 | 10,510 | 202.3% | 0 | 0 | 0.0% | 196,270 | 101,321 | 93.7% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 8,679 | 3,728 | 132.8% | 0 | 0 | 0.0% | 82,054 | 64,274 | 27.7% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 11,426 | 2,307 | 395.3% | 0 | 0 | 0.0% | 81,575 | 26,081 | 212.8% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 4,151 | 2,852 | 45.5% | 0 | 0 | 0.0% | 45,587 | 39,730 | 14.7% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 12,852 | 3,344 | 284.3% | 0 | 0 | 0.0% | 125,620 | 32,695 | 284.2% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 11,129 | 3,724 | 198.8% | 0 | 0 | 0.0% | 136,290 | 97,788 | 39.4% |
| YEN DENOMINATED TOPIX | 0 | - | - | 772 | - | - | 0 | - | - | 3,046 | - | - |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|-----------|
| Equity Index Options | | | | | | | | | | | | |
| E-MINI MIDCAP | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 239,308 | 276,966 | -13.6% | 0 | 0 | 0.0% | 1,721,777 | 1,456,092 | 18.2% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 5,047 | 1,857 | 171.8% | 0 | 0 | 0.0% | 88,292 | 1,857 | 4,654.6% |
| E-MINI S&P500 | 8,985 | 0 | 0.0% | 3,085,434 | 2,337,042 | 32.0% | 14,315 | 1,935 | 639.8% | 40,388,268 | 27,410,252 | 47.3% |
| EOM E-MINI RUSSELL 2000 EN | 0 | 0 | 0.0% | 2,192 | 331 | 562.2% | 0 | 0 | 0.0% | 40,136 | 331 | 12,025.7% |
| EOM EMINI S&P | 0 | 0 | 0.0% | 1,705,110 | 1,351,158 | 26.2% | 0 | 0 | 0.0% | 18,018,857 | 13,801,619 | 30.6% |
| EOM S&P 500 | 92,853 | 163,904 | -43.3% | 0 | 0 | 0.0% | 1,362,120 | 1,203,986 | 13.1% | 0 | 0 | 0.0% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 1,129 | 283 | 298.9% | 0 | 0 | 0.0% | 15,815 | 283 | 5,488.3% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 1,255 | 672 | 86.8% | 0 | 0 | 0.0% | 21,069 | 672 | 3,035.3% |
| EOW1 EMINI S&P 500 | 0 | 0 | 0.0% | 980,746 | 911,791 | 7.6% | 0 | 0 | 0.0% | 7,699,880 | 7,794,272 | -1.2% |
| EOW1 S&P 500 | 160,174 | 126,069 | 27.1% | 0 | 0 | 0.0% | 571,880 | 604,745 | -5.4% | 0 | 0 | 0.0% |
| EOW2 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 2,910 | 238 | 1,122.7% | 0 | 0 | 0.0% | 37,937 | 238 | 15,839.9% |
| EOW2 EMINI S&P 500 | 0 | 0 | 0.0% | 942,931 | 835,882 | 12.8% | 0 | 0 | 0.0% | 9,157,210 | 7,619,016 | 20.2% |
| EOW2 S&P 500 | 191,158 | 159,598 | 19.8% | 0 | 0 | 0.0% | 1,088,597 | 1,127,436 | -3.4% | 0 | 0 | 0.0% |
| EOW3 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 11,561 | 1,067 | 983.5% | 0 | 0 | 0.0% | 156,566 | 1,067 | 14,573.5% |
| EOW3 EMINI S&P 500 | 0 | 0 | 0.0% | 3,047,988 | 2,958,456 | 3.0% | 0 | 0 | 0.0% | 26,351,524 | 24,474,610 | 7.7% |
| EOW3 S&P 500 | 212,829 | 386,535 | -44.9% | 0 | 0 | 0.0% | 2,211,946 | 2,439,262 | -9.3% | 0 | 0 | 0.0% |
| EOW4 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 2,323 | 501 | 363.7% | 0 | 0 | 0.0% | 42,729 | 501 | 8,428.7% |
| EOW4 EMINI S&P 500 | 0 | 0 | 0.0% | 979,691 | 801,966 | 22.2% | 0 | 0 | 0.0% | 8,504,677 | 6,298,131 | 35.0% |
| S&P 500 | 171,663 | 147,927 | 16.0% | 0 | 0 | 0.0% | 2,129,121 | 2,057,944 | 3.5% | 0 | 0 | 0.0% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 1 | 3 | -66.7% | 0 | 0 | 0.0% | 43 | 29 | 48.3% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 5,262 | 2,285 | 130.3% | 0 | 0 | 0.0% | 28,730 | 15,490 | 85.5% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 93 | 109 | -14.7% | 0 | 0 | 0.0% | 545 | 619 | -12.0% |
| AUSTRALIAN DOLLAR | 0 | 11 | -100.0% | 1,970,145 | 1,924,173 | 2.4% | 0 | 1,506 | -100.0% | 16,536,688 | 13,132,033 | 25.9% |
| BDI | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 6,243 | -100.0% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 2,463 | 2,110 | 16.7% | 0 | 0 | 0.0% | 21,852 | 17,934 | 21.8% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 485 | 53 | 815.1% | 0 | 0 | 0.0% | 2,454 | 597 | 311.1% |
| BRAZIL REAL | 0 | 0 | 0.0% | 71,542 | 48,203 | 48.4% | 0 | 0 | 0.0% | 655,696 | 343,628 | 90.8% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,492,055 | 1,989,079 | 25.3% | 7 | 248 | -97.2% | 19,235,209 | 16,959,601 | 13.4% |
| CANADIAN DOLLAR | 0 | 2 | -100.0% | 1,407,690 | 1,595,262 | -11.8% | 38 | 2,036 | -98.1% | 12,432,924 | 10,737,519 | 15.8% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 4 | 66 | -93.9% | 0 | 0 | 0.0% | 542 | 502 | 8.0% |

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|------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| FX Futures | | | | | | | | | | | | |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 2,968 | 685 | 333.3% | 0 | 0 | 0.0% | 17,604 | 9,676 | 81.9% |
| CZECK KORUNA (EC) | 0 | - | - | 2 | - | - | 0 | - | - | 2 | - | - |
| CZECK KORUNA (US) | 0 | - | - | 15 | - | - | 0 | - | - | 15 | - | - |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 1,014 | 1,197 | -15.3% | 0 | 0 | 0.0% | 11,296 | 17,663 | -36.0% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 912 | 3,442 | -73.5% | 0 | 0 | 0.0% | 24,110 | 28,521 | -15.5% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 308 | 160 | 92.5% | 0 | 0 | 0.0% | 2,487 | 444 | 460.1% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 307 | 755 | -59.3% | 0 | 0 | 0.0% | 5,854 | 2,600 | 125.2% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 56,977 | 50,331 | 13.2% | 0 | 0 | 0.0% | 554,541 | 442,276 | 25.4% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 39,548 | 56,116 | -29.5% | 0 | 0 | 0.0% | 567,913 | 416,250 | 36.4% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 15,596 | 41,212 | -62.2% | 0 | 0 | 0.0% | 192,919 | 227,897 | -15.3% |
| E-MICRO AUD/USD | 0 | 0 | 0.0% | 99,245 | 99,803 | -0.6% | 0 | 0 | 0.0% | 696,844 | 576,948 | 20.8% |
| E-MICRO CAD/USD | 0 | 0 | 0.0% | 14,260 | 25,429 | -43.9% | 0 | 0 | 0.0% | 126,909 | 126,303 | 0.5% |
| E-MICRO CHF/USD | 0 | 0 | 0.0% | 1,326 | 836 | 58.6% | 0 | 0 | 0.0% | 9,586 | 6,513 | 47.2% |
| E-MICRO EUR/USD | 0 | 0 | 0.0% | 245,637 | 176,724 | 39.0% | 0 | 0 | 0.0% | 2,709,618 | 1,749,607 | 54.9% |
| E-MICRO GBP/USD | 0 | 0 | 0.0% | 33,767 | 31,778 | 6.3% | 0 | 0 | 0.0% | 345,853 | 423,106 | -18.3% |
| E-MICRO INR/USD | 0 | 0 | 0.0% | 4,270 | 2,833 | 50.7% | 0 | 0 | 0.0% | 28,820 | 18,209 | 58.3% |
| E-MICRO JPY/USD | 0 | 0 | 0.0% | 25,224 | 26,367 | -4.3% | 0 | 0 | 0.0% | 224,531 | 296,794 | -24.3% |
| E-MICRO USD/CAD | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/CHF | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/CNH | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/JPY | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 69,489 | 83,746 | -17.0% | 0 | 0 | 0.0% | 742,007 | 632,021 | 17.4% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 15,261 | 31,403 | -51.4% | 0 | 0 | 0.0% | 95,832 | 246,260 | -61.1% |
| EURO FX | 2 | 28 | -92.9% | 4,486,043 | 4,433,824 | 1.2% | 452 | 2,266 | -80.1% | 40,787,233 | 30,840,492 | 32.3% |
| HUNGARIAN FORINT (EC) | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| HUNGARIAN FORINT (US) | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| INDIAN RUPEE | 0 | 0 | 0.0% | 65,210 | 23,573 | 176.6% | 0 | 0 | 0.0% | 621,977 | 211,543 | 194.0% |
| JAPANESE YEN | 2 | 0 | 0.0% | 2,760,440 | 2,805,975 | -1.6% | 102 | 7,794 | -98.7% | 22,058,390 | 23,450,694 | -5.9% |
| KOREAN WON | 0 | 0 | 0.0% | 112 | 6 | 1,766.7% | 0 | 0 | 0.0% | 1,637 | 129 | 1,169.0% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,238,707 | 711,791 | 74.0% | 0 | 5 | -100.0% | 9,826,952 | 7,009,864 | 40.2% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 527,199 | 439,944 | 19.8% | 0 | 0 | 0.0% | 4,573,036 | 3,404,004 | 34.3% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 3,464 | 1,999 | 73.3% | 0 | 0 | 0.0% | 27,882 | 12,446 | 124.0% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 9 | 30 | -70.0% | 0 | 0 | 0.0% | 84 | 353 | -76.2% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 30 | 114 | -73.7% | 0 | 0 | 0.0% | 624 | 797 | -21.7% |
| RMB USD | 0 | 0 | 0.0% | 1 | 18 | -94.4% | 0 | 0 | 0.0% | 18 | 202 | -91.1% |

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| FX Futures | | | | | | | | | | | | |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 23,243 | 28,570 | -18.6% | 0 | 0 | 0.0% | 361,262 | 245,319 | 47.3% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 36,992 | 49,490 | -25.3% | 0 | 0 | 0.0% | 305,125 | 292,292 | 4.4% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SHEKEL | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 2,975 | 1,195 | 149.0% | 0 | 0 | 0.0% | 25,639 | 13,532 | 89.5% |
| SWISS FRANC | 0 | 0 | 0.0% | 501,443 | 601,839 | -16.7% | 0 | 0 | 0.0% | 4,116,800 | 3,703,095 | 11.2% |
| TURKISH LIRA | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 12 | -100.0% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5 | 0 | 0.0% |
| FX Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | 1,000 | -100.0% | 102,256 | 191,720 | -46.7% | 0 | 4,175 | -100.0% | 857,425 | 671,383 | 27.7% |
| AUSTRALIAN DLR (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,674 | -100.0% | 0 | 200,250 | -100.0% |
| BRITISH POUND | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 693 | -100.0% | 0 | 462,114 | -100.0% |
| BRITISH POUND (EU) | 0 | 0 | 0.0% | 13 | 278 | -95.3% | 0 | 0 | 0.0% | 254 | 1,322 | -80.8% |
| CAD/USD PQO 2pm Fix | 10 | 142 | -93.0% | 122,603 | 230,999 | -46.9% | 1,944 | 2,468 | -21.2% | 1,156,218 | 795,735 | 45.3% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 4,597 | -100.0% | 0 | 183,080 | -100.0% |
| CANADIAN DOLLAR (EU) | 0 | 0 | 0.0% | 0 | 12 | -100.0% | 0 | 0 | 0.0% | 63 | 98 | -35.7% |
| CHF/USD PQO 2pm Fix | 0 | 0 | 0.0% | 3,551 | 3,423 | 3.7% | 0 | 0 | 0.0% | 22,221 | 15,686 | 41.7% |
| EFX/JY CROSS RATES | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| EURO FX | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 8,535 | -100.0% | 0 | 1,287,538 | -100.0% |
| EURO FX (EU) | 0 | 0 | 0.0% | 5 | 13 | -61.5% | 0 | 0 | 0.0% | 36 | 346 | -89.6% |
| EUR/USD PQO 2pm Fix | 1,151 | 2,029 | -43.3% | 516,626 | 857,786 | -39.8% | 9,451 | 18,791 | -49.7% | 5,469,939 | 3,488,606 | 56.8% |
| GBP/USD PQO 2pm Fix | 0 | 36 | -100.0% | 220,248 | 192,781 | 14.2% | 576 | 2,470 | -76.7% | 1,668,232 | 1,135,126 | 47.0% |
| JAPANESE YEN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 8,468 | -100.0% | 0 | 544,469 | -100.0% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 40 | -100.0% | 0 | 0 | 0.0% | 0 | 180 | -100.0% |
| JPY/USD PQO 2pm Fix | 82 | 770 | -89.4% | 279,558 | 298,055 | -6.2% | 3,965 | 27,306 | -85.5% | 1,857,974 | 1,592,950 | 16.6% |
| MEXICAN PESO | 0 | 0 | 0.0% | 2,312 | 448 | 416.1% | 3,888 | 749 | 419.1% | 11,994 | 20,136 | -40.4% |
| RUSSIAN RUBLE | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| SWISS FRANC | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 5,710 | -100.0% |
| SWISS FRANC (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 14 | -100.0% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2018 | Open Outcry JUL 2017 | % CHG | ELEC JUL 2018 | ELEC JUL 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Foreign Exchange Futures | | | | | | | | | | | | |
| CHILEAN PESO | 0 | 0 | 0.0% | 593 | 2,994 | -80.2% | 0 | 0 | 0.0% | 9,388 | 7,476 | 25.6% |
| Foreign Exchange Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | - | - | 239 | - | - | 0 | - | - | 4,894 | - | - |
| Ag Products Futures | | | | | | | | | | | | |
| BUTTER CS | 0 | 0 | 0.0% | 3,266 | 2,801 | 16.6% | 0 | 0 | 0.0% | 30,571 | 20,488 | 49.2% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 10,596 | 7,694 | 37.7% | 0 | 0 | 0.0% | 71,049 | 67,936 | 4.6% |
| CAT EURO SEASONAL STRIP | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 968 | 2,566 | -62.3% | 1,475,409 | 1,478,927 | -0.2% | 9,614 | 30,338 | -68.3% | 9,798,456 | 9,868,709 | -0.7% |
| 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 | 25 | -100.0% |
| CLASS IV MILK | 0 | 0 | 0.0% | 577 | 525 | 9.9% | 0 | 61 | -100.0% | 4,145 | 7,473 | -44.5% |
| DRY WHEY | 0 | 0 | 0.0% | 1,055 | 835 | 26.3% | 0 | 0 | 0.0% | 8,924 | 13,728 | -35.0% |
| FEEDER CATTLE | 5 | 0 | 0.0% | 338,058 | 300,055 | 12.7% | 17 | 423 | -96.0% | 2,073,451 | 1,985,558 | 4.4% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 28,783 | 35,933 | -19.9% | 0 | 0 | 0.0% | 220,462 | 242,667 | -9.2% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 33 | 0 | 0.0% | 0 | 0 | 0.0% | 338 | 702 | -51.9% |
| 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% | 55 | 50 | 10.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| HOGS | 1,348 | 4,269 | -68.4% | 1,246,877 | 968,972 | 28.7% | 9,967 | 18,759 | -46.9% | 7,816,806 | 6,310,260 | 23.9% |
| HOUSING INDEX | 0 | 0 | 0.0% | 5 | 6 | -16.7% | 0 | 0 | 0.0% | 57 | 82 | -30.5% |
| LUMBER | 0 | 0 | 0.0% | 15,314 | 14,202 | 7.8% | 0 | 0 | 0.0% | 134,023 | 113,742 | 17.8% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 170 | 133 | 27.8% | 23,318 | 25,413 | -8.2% | 1,038 | 791 | 31.2% | 155,260 | 189,981 | -18.3% |
| 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% | 6,049 | 2,733 | 121.3% | 43 | 0 | 0.0% | 37,143 | 33,699 | 10.2% |
| PALM OIL | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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 2018 | Open Outcry JUL 2017 | % CHG | ELEC JUL 2018 | ELEC JUL 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|-------------------|-------------------|-------------|------------------------------|------------------------------|--------------|--------------------|--------------------|--------------|
| Ag Products Options | | | | | | | | | | | | |
| BUTTER CS | 518 | 1,424 | -63.6% | 2,260 | 362 | 524.3% | 8,309 | 7,218 | 15.1% | 19,004 | 2,077 | 815.0% |
| CASH-SETTLED CHEESE | 2,406 | 2,809 | -14.3% | 6,988 | 2,752 | 153.9% | 18,396 | 26,903 | -31.6% | 51,051 | 21,899 | 133.1% |
| CATTLE | 18,573 | 30,116 | -38.3% | 186,608 | 148,891 | 25.3% | 193,777 | 380,630 | -49.1% | 1,615,530 | 1,385,012 | 16.6% |
| 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 | 122 | 79 | 54.4% | 1,332 | 863 | 54.3% | 615 | 2,203 | -72.1% | 6,331 | 10,133 | -37.5% |
| DRY WHEY | 103 | 603 | -82.9% | 390 | 354 | 10.2% | 1,222 | 2,323 | -47.4% | 2,911 | 1,107 | 163.0% |
| FEEDER CATTLE | 1,336 | 4,429 | -69.8% | 25,339 | 18,833 | 34.5% | 14,469 | 27,691 | -47.7% | 198,727 | 206,876 | -3.9% |
| 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 | 29,783 | 28,485 | 4.6% | 280,856 | 160,586 | 74.9% | 183,860 | 193,244 | -4.9% | 1,290,753 | 1,128,786 | 14.3% |
| HOUSING INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 25 | -100.0% |
| LUMBER | 1 | 5 | -80.0% | 922 | 739 | 24.8% | 207 | 35 | 491.4% | 12,788 | 7,882 | 62.2% |
| LV CATL CSO | 5 | 10 | -50.0% | 0 | 0 | 0.0% | 113 | 1,267 | -91.1% | 0 | 0 | 0.0% |
| MILK | 5,374 | 10,384 | -48.2% | 30,753 | 22,731 | 35.3% | 46,434 | 84,692 | -45.2% | 176,729 | 165,228 | 7.0% |
| MLK MID OPTIONS | 42 | 16 | 162.5% | 0 | 0 | 0.0% | 332 | 501 | -33.7% | 1 | 0 | 0.0% |
| NFD MILK | 235 | 601 | -60.9% | 3,965 | 1,733 | 128.8% | 7,468 | 10,777 | -30.7% | 29,529 | 18,876 | 56.4% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 504,953 | 356,553 | 41.6% | 37,400,120 | 39,765,059 | -5.9% | 5,962,065 | 4,446,871 | 34.1% | 448,373,377 | 382,333,343 | 17.3% |
| Equity Index Futures | 8,526 | 21,861 | -61.0% | 33,969,017 | 28,879,362 | 17.6% | 304,522 | 504,305 | -39.6% | 335,610,597 | 264,231,259 | 27.0% |
| FX Futures | 4 | 41 | -90.2% | 16,221,734 | 15,292,528 | 6.1% | 599 | 13,855 | -95.7% | 137,978,088 | 115,620,057 | 19.3% |
| Foreign Exchange Futures | 0 | 0 | 0.0% | 593 | 2,994 | -80.2% | 0 | 0 | 0.0% | 9,388 | 7,476 | 25.6% |
| Ag Products Futures | 2,491 | 6,968 | -64.3% | 3,149,340 | 2,838,096 | 11.0% | 20,679 | 50,372 | -58.9% | 20,350,740 | 18,855,150 | 7.9% |
| TOTAL FUTURES | 515,974 | 385,423 | 33.9% | 90,740,804 | 86,778,039 | 4.6% | 6,287,865 | 5,015,403 | 25.4% | 942,322,190 | 781,047,285 | 20.6% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry JUL 2018 | Open Outcry JUL 2017 | % CHG | ELEC JUL 2018 | ELEC JUL 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|-------------|------------------------------|------------------------------|-------------|----------------------|--------------------|--------------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 837,662 | 984,033 | -14.9% | 11,007,625 | 9,478,210 | 16.1% | 7,377,979 | 7,435,308 | -0.8% | 112,244,737 | 88,858,941 | 26.3% |
| Interest Rate Options | 12,383,555 | 8,966,750 | 38.1% | 5,694,880 | 6,856,623 | -16.9% | 132,398,516 | 124,110,659 | 6.7% | 70,001,949 | 64,418,892 | 8.7% |
| FX Options | 1,243 | 3,977 | -68.7% | 1,247,172 | 1,775,555 | -29.8% | 19,824 | 80,926 | -75.5% | 11,044,356 | 10,404,745 | 6.1% |
| Ag Products Options | 58,498 | 78,961 | -25.9% | 539,413 | 357,844 | 50.7% | 475,202 | 737,484 | -35.6% | 3,403,354 | 2,947,901 | 15.5% |
| Foreign Exchange Options | 0 | - | - | 239 | - | - | 0 | - | - | 4,894 | - | - |
| TOTAL OPTIONS | 13,280,958 | 10,033,721 | 32.4% | 18,489,329 | 18,468,232 | 0.1% | 140,271,521 | 132,364,377 | 6.0% | 196,699,290 | 166,630,479 | 18.0% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 12,888,508 | 9,323,303 | 38.2% | 43,095,000 | 46,621,682 | -7.6% | 138,360,581 | 128,557,530 | 7.6% | 518,375,326 | 446,752,235 | 16.0% |
| Equity Index | 846,188 | 1,005,894 | -15.9% | 44,976,642 | 38,357,572 | 17.3% | 7,682,501 | 7,939,613 | -3.2% | 447,855,334 | 353,090,200 | 26.8% |
| FX | 1,247 | 4,018 | -69.0% | 17,468,906 | 17,068,083 | 2.3% | 20,423 | 94,781 | -78.5% | 149,022,444 | 126,024,802 | 18.2% |
| Foreign Exchange | 0 | 0 | 0.0% | 832 | 2,994 | -72.2% | 0 | 0 | 0.0% | 14,282 | 7,476 | 91.0% |
| Ag Products | 60,989 | 85,929 | -29.0% | 3,688,753 | 3,195,940 | 15.4% | 495,881 | 787,856 | -37.1% | 23,754,094 | 21,803,051 | 8.9% |
| GRAND TOTAL | 13,796,932 | 10,419,144 | 32.4% | 109,230,133 | 105,246,271 | 3.8% | 146,559,386 | 137,379,780 | 6.7% | 1,139,021,480 | 947,677,764 | 20.2% |

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