



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 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% | 115 | 2,893 | -96.0% | 0 | 0 | 0.0% | 31,342 | 45,264 | -30.8% |
| EURODOLLARS | 666,690 | 626,060 | 6.5% | 53,600,016 | 53,616,859 | 0.0% | 7,260,793 | 5,541,844 | 31.0% | 544,274,113 | 479,347,129 | 13.5% |
| SOFR | 0 | - | - | 84,706 | - | - | 0 | - | - | 355,837 | - | - |
| Interest Rate Options | | | | | | | | | | | | |
| EURODOLLARS | 6,536,104 | 7,137,812 | -8.4% | 3,894,226 | 3,705,799 | 5.1% | 81,295,503 | 75,167,205 | 8.2% | 39,624,707 | 35,905,953 | 10.4% |
| EURO MIDCURVE | 7,595,804 | 8,480,060 | -10.4% | 4,327,475 | 7,194,571 | -39.9% | 79,876,961 | 76,748,925 | 4.1% | 45,965,406 | 48,656,060 | -5.5% |
| | 250 | - | - | 1 | - | - | 250 | - | - | 1 | - | - |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN FUTURES | 0 | - | - | 62,014 | - | - | 0 | - | - | 660,094 | - | - |
| E-mini FTSE 100 (USD) | 0 | 0 | 0.0% | 918 | 266 | 245.1% | 0 | 0 | 0.0% | 12,405 | 386 | 3,113.7% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 657 | 1,449 | -54.7% | 0 | 0 | 0.0% | 9,765 | 13,045 | -25.1% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 461,324 | 411,458 | 12.1% | 0 | 0 | 0.0% | 3,309,757 | 3,258,413 | 1.6% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 9,373,956 | 6,729,943 | 39.3% | 0 | 0 | 0.0% | 79,275,454 | 50,599,860 | 56.7% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 6,616 | 4,818 | 37.3% | 0 | 0 | 0.0% | 72,699 | 17,239 | 321.7% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 7,253 | 2,852 | 154.3% | 0 | 0 | 0.0% | 64,185 | 12,160 | 427.8% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 9,004 | 4,284 | 110.2% | 0 | 0 | 0.0% | 81,610 | 19,140 | 326.4% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 3,384,285 | 2,822,378 | 19.9% | 0 | 0 | 0.0% | 24,834,167 | 3,404,441 | 629.5% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 33,174,768 | 33,269,343 | -0.3% | 0 | 0 | 0.0% | 299,042,180 | 281,912,462 | 6.1% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 4,163 | 2,554 | 63.0% | 0 | 0 | 0.0% | 29,219 | 23,367 | 25.0% |
| FT-SE 100 | 0 | 0 | 0.0% | 634 | 907 | -30.1% | 0 | 0 | 0.0% | 11,255 | 4,731 | 137.9% |
| FTSE Emerging | 0 | 0 | 0.0% | 482 | 41 | 1,075.6% | 0 | 0 | 0.0% | 4,234 | 269 | 1,474.0% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 863 | 192 | 349.5% | 0 | 0 | 0.0% | 9,461 | 5,387 | 75.6% |
| 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 | 18,228 | -100.0% | 0 | 0 | 0.0% | 54,444 | 102,998 | -47.1% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 263,979 | 274,544 | -3.8% | 0 | 0 | 0.0% | 2,754,183 | 2,352,757 | 17.1% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 734,303 | 852,391 | -13.9% | 0 | 0 | 0.0% | 7,663,236 | 8,049,488 | -4.8% |
| S&P 500 | 79,508 | 135,054 | -41.1% | 3,251 | 3,236 | 0.5% | 394,040 | 665,109 | -40.8% | 41,332 | 39,166 | 5.5% |
| S&P 500/GI | 0 | 0 | 0.0% | 20 | 85 | -76.5% | 0 | 0 | 0.0% | 73 | 232 | -68.5% |
| S&P 500/VALUE | 0 | 0 | 0.0% | 4,229 | 4,188 | 1.0% | 0 | 0 | 0.0% | 36,041 | 67,360 | -46.5% |
| S&P 600 SMALLCAP EMINI | 0 | - | - | 1 | - | - | 0 | - | - | 1 | - | - |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 13,427 | 6,450 | 108.2% | 0 | 0 | 0.0% | 114,329 | 37,786 | 202.6% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 29,800 | 32,441 | -8.1% | 0 | 0 | 0.0% | 120,693 | 78,550 | 53.7% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 19,514 | 15,450 | 26.3% | 0 | 0 | 0.0% | 169,707 | 95,757 | 77.2% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 30,989 | 25,292 | 22.5% | 0 | 0 | 0.0% | 249,179 | 143,232 | 74.0% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 22,253 | 15,505 | 43.5% | 0 | 0 | 0.0% | 115,259 | 83,994 | 37.2% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 16,955 | 9,453 | 79.4% | 0 | 0 | 0.0% | 109,996 | 42,253 | 160.3% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 15,575 | 10,791 | 44.3% | 0 | 0 | 0.0% | 66,542 | 53,741 | 23.8% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 33,162 | 13,151 | 152.2% | 0 | 0 | 0.0% | 170,032 | 49,392 | 244.3% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 39,858 | 33,802 | 17.9% | 0 | 0 | 0.0% | 202,066 | 136,501 | 48.0% |
| YEN DENOMINATED TOPIX | 0 | - | - | 449 | - | - | 0 | - | - | 4,293 | - | - |

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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% | 185,156 | 230,746 | -19.8% | 0 | 0 | 0.0% | 2,113,153 | 2,047,454 | 3.2% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 12,513 | 3,063 | 308.5% | 0 | 0 | 0.0% | 115,442 | 9,826 | 1,074.9% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 4,910,266 | 4,585,072 | 7.1% | 14,660 | 1,935 | 657.6% | 51,111,458 | 37,701,121 | 35.6% |
| EOM E-MINI RUSSELL 2000 EN | 0 | 0 | 0.0% | 10,180 | 7,698 | 32.2% | 0 | 0 | 0.0% | 56,796 | 9,847 | 476.8% |
| EOM EMINI S&P | 0 | 0 | 0.0% | 2,091,261 | 2,073,790 | 0.8% | 0 | 0 | 0.0% | 22,696,360 | 17,956,089 | 26.4% |
| EOM S&P 500 | 153,142 | 218,798 | -30.0% | 0 | 0 | 0.0% | 1,669,669 | 1,614,894 | 3.4% | 0 | 0 | 0.0% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 931 | 1,830 | -49.1% | 0 | 0 | 0.0% | 17,498 | 2,479 | 605.8% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 780 | 1,222 | -36.2% | 0 | 0 | 0.0% | 22,968 | 2,211 | 938.8% |
| EOW1 EMINI S&P 500 | 0 | 0 | 0.0% | 995,850 | 741,584 | 34.3% | 0 | 0 | 0.0% | 9,658,001 | 9,476,222 | 1.9% |
| EOW1 S&P 500 | 86,343 | 73,833 | 16.9% | 0 | 0 | 0.0% | 736,085 | 769,660 | -4.4% | 0 | 0 | 0.0% |
| EOW2 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 3,240 | 1,704 | 90.1% | 0 | 0 | 0.0% | 43,935 | 2,400 | 1,730.6% |
| EOW2 EMINI S&P 500 | 0 | 0 | 0.0% | 933,897 | 612,816 | 52.4% | 0 | 0 | 0.0% | 10,984,815 | 9,615,381 | 14.2% |
| EOW2 S&P 500 | 69,457 | 136,564 | -49.1% | 0 | 0 | 0.0% | 1,343,698 | 1,461,130 | -8.0% | 0 | 0 | 0.0% |
| EOW3 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 4,330 | 18,508 | -76.6% | 0 | 0 | 0.0% | 174,204 | 23,152 | 652.4% |
| EOW3 EMINI S&P 500 | 0 | 0 | 0.0% | 1,842,005 | 2,524,133 | -27.0% | 0 | 3,000 | -100.0% | 30,905,958 | 30,570,939 | 1.1% |
| EOW3 S&P 500 | 102,641 | 360,150 | -71.5% | 0 | 0 | 0.0% | 2,549,332 | 3,174,627 | -19.7% | 0 | 0 | 0.0% |
| EOW4 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 201 | 2,139 | -90.6% | 0 | 0 | 0.0% | 46,018 | 3,092 | 1,388.3% |
| EOW4 EMINI S&P 500 | 0 | 0 | 0.0% | 67,137 | 986,983 | -93.2% | 0 | 0 | 0.0% | 9,563,674 | 8,560,142 | 11.7% |
| S&P 500 | 308,755 | 320,586 | -3.7% | 0 | 0 | 0.0% | 2,724,357 | 2,862,171 | -4.8% | 0 | 0 | 0.0% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 1 | 4 | -75.0% | 0 | 0 | 0.0% | 53 | 37 | 43.2% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 6,058 | 4,024 | 50.5% | 0 | 0 | 0.0% | 39,288 | 21,946 | 79.0% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 34 | 39 | -12.8% | 0 | 0 | 0.0% | 699 | 759 | -7.9% |
| AUSTRALIAN DOLLAR | 0 | 31 | -100.0% | 2,349,852 | 2,575,327 | -8.8% | 0 | 1,537 | -100.0% | 21,321,476 | 17,745,948 | 20.1% |
| 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% | 3,114 | 4,402 | -29.3% | 0 | 0 | 0.0% | 28,091 | 25,244 | 11.3% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 444 | 85 | 422.4% | 0 | 0 | 0.0% | 3,354 | 697 | 381.2% |
| BRAZIL REAL | 0 | 0 | 0.0% | 95,158 | 60,071 | 58.4% | 0 | 0 | 0.0% | 888,644 | 455,631 | 95.0% |
| BRITISH POUND | 3 | 0 | 0.0% | 2,955,386 | 3,395,872 | -13.0% | 10 | 248 | -96.0% | 24,504,277 | 22,476,384 | 9.0% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,679,782 | 2,127,458 | -21.0% | 41 | 2,532 | -98.4% | 15,745,435 | 14,379,196 | 9.5% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 2 | -100.0% | 0 | 0 | 0.0% | 849 | 554 | 53.2% |

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|------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| FX Futures | | | | | | | | | | | | |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 21,260 | 2,688 | 690.9% | 0 | 0 | 0.0% | 59,394 | 13,768 | 331.4% |
| CZECK KORUNA (EC) | 0 | - | - | 4 | - | - | 0 | - | - | 6 | - | - |
| CZECK KORUNA (US) | 0 | - | - | 0 | - | - | 0 | - | - | 15 | - | - |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 5,747 | 2,870 | 100.2% | 0 | 0 | 0.0% | 18,616 | 21,541 | -13.6% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 5,933 | 7,695 | -22.9% | 0 | 0 | 0.0% | 31,110 | 39,402 | -21.0% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 772 | 521 | 48.2% | 0 | 0 | 0.0% | 3,757 | 1,286 | 192.1% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 1,656 | 2,343 | -29.3% | 0 | 0 | 0.0% | 7,843 | 5,389 | 45.5% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 144,144 | 150,034 | -3.9% | 0 | 0 | 0.0% | 751,416 | 647,590 | 16.0% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 108,953 | 101,177 | 7.7% | 0 | 0 | 0.0% | 739,218 | 590,175 | 25.3% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 49,778 | 46,929 | 6.1% | 0 | 0 | 0.0% | 267,526 | 310,186 | -13.8% |
| E-MICRO AUD/USD | 0 | 0 | 0.0% | 121,585 | 98,832 | 23.0% | 0 | 0 | 0.0% | 967,888 | 781,142 | 23.9% |
| E-MICRO CAD/USD | 0 | 0 | 0.0% | 13,711 | 35,050 | -60.9% | 0 | 0 | 0.0% | 159,410 | 186,093 | -14.3% |
| E-MICRO CHF/USD | 0 | 0 | 0.0% | 1,995 | 1,038 | 92.2% | 0 | 0 | 0.0% | 13,293 | 8,574 | 55.0% |
| E-MICRO EUR/USD | 0 | 0 | 0.0% | 332,456 | 279,760 | 18.8% | 0 | 0 | 0.0% | 3,364,884 | 2,311,227 | 45.6% |
| E-MICRO GBP/USD | 0 | 0 | 0.0% | 46,347 | 61,737 | -24.9% | 0 | 0 | 0.0% | 428,269 | 521,478 | -17.9% |
| E-MICRO INR/USD | 0 | 0 | 0.0% | 5,862 | 2,863 | 104.8% | 0 | 0 | 0.0% | 40,852 | 23,269 | 75.6% |
| E-MICRO JPY/USD | 0 | 0 | 0.0% | 23,194 | 31,763 | -27.0% | 0 | 0 | 0.0% | 275,559 | 359,438 | -23.3% |
| 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% | 113,175 | 134,404 | -15.8% | 0 | 0 | 0.0% | 940,863 | 863,666 | 8.9% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 8,809 | 17,745 | -50.4% | 0 | 0 | 0.0% | 117,022 | 287,171 | -59.3% |
| EURO FX | 4 | 142 | -97.2% | 6,141,988 | 5,837,373 | 5.2% | 538 | 2,601 | -79.3% | 52,908,910 | 41,344,010 | 28.0% |
| HUNGARIAN FORINT (EC) | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| HUNGARIAN FORINT (US) | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| INDIAN RUPEE | 0 | 0 | 0.0% | 89,647 | 57,411 | 56.1% | 0 | 0 | 0.0% | 785,215 | 304,489 | 157.9% |
| JAPANESE YEN | 2 | 231 | -99.1% | 2,568,243 | 4,582,482 | -44.0% | 104 | 8,907 | -98.8% | 27,134,775 | 31,418,346 | -13.6% |
| KOREAN WON | 0 | 0 | 0.0% | 320 | 38 | 742.1% | 0 | 0 | 0.0% | 2,093 | 175 | 1,096.0% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,485,043 | 1,494,833 | -0.7% | 0 | 5 | -100.0% | 12,653,298 | 9,315,233 | 35.8% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 615,837 | 690,635 | -10.8% | 0 | 0 | 0.0% | 5,766,533 | 4,599,691 | 25.4% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 9,475 | 2,851 | 232.3% | 0 | 0 | 0.0% | 42,553 | 16,742 | 154.2% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 26 | 10 | 160.0% | 0 | 0 | 0.0% | 174 | 381 | -54.3% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 69 | 75 | -8.0% | 0 | 0 | 0.0% | 770 | 942 | -18.3% |
| RMB USD | 0 | 0 | 0.0% | 0 | 46 | -100.0% | 0 | 0 | 0.0% | 23 | 276 | -91.7% |

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| FX Futures | | | | | | | | | | | | |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 85,544 | 45,931 | 86.2% | 0 | 0 | 0.0% | 487,368 | 320,279 | 52.2% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 55,589 | 76,535 | -27.4% | 0 | 0 | 0.0% | 424,583 | 413,354 | 2.7% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 7 | 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% | 8,656 | 3,843 | 125.2% | 0 | 0 | 0.0% | 38,404 | 18,898 | 103.2% |
| SWISS FRANC | 0 | 0 | 0.0% | 695,845 | 769,279 | -9.5% | 0 | 0 | 0.0% | 5,440,395 | 5,158,302 | 5.5% |
| TURKISH LIRA | 0 | 0 | 0.0% | 5 | 0 | 0.0% | 0 | 0 | 0.0% | 10 | 12 | -16.7% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5 | 0 | 0.0% |
| FX Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 600 | 1,408 | -57.4% | 136,271 | 148,084 | -8.0% | 600 | 5,746 | -89.6% | 1,126,196 | 962,730 | 17.0% |
| 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% | 3 | 881 | -99.7% | 0 | 0 | 0.0% | 275 | 2,646 | -89.6% |
| CAD/USD PQO 2pm Fix | 136 | 26 | 423.1% | 157,790 | 244,734 | -35.5% | 2,101 | 4,121 | -49.0% | 1,445,247 | 1,205,895 | 19.8% |
| 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 | 0 | 0.0% | 0 | 0 | 0.0% | 63 | 111 | -43.2% |
| CHF/USD PQO 2pm Fix | 0 | 0 | 0.0% | 1,488 | 2,829 | -47.4% | 0 | 0 | 0.0% | 26,047 | 22,314 | 16.7% |
| 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% | 3 | 7 | -57.1% | 0 | 0 | 0.0% | 59 | 443 | -86.7% |
| EUR/USD PQO 2pm Fix | 1,350 | 3,564 | -62.1% | 559,671 | 874,685 | -36.0% | 12,947 | 24,505 | -47.2% | 6,801,368 | 5,426,501 | 25.3% |
| GBP/USD PQO 2pm Fix | 56 | 2,054 | -97.3% | 292,478 | 355,095 | -17.6% | 632 | 4,688 | -86.5% | 2,261,706 | 1,720,859 | 31.4% |
| 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 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 180 | -100.0% |
| JPY/USD PQO 2pm Fix | 395 | 2,638 | -85.0% | 178,122 | 362,722 | -50.9% | 4,438 | 33,173 | -86.6% | 2,283,605 | 2,292,365 | -0.4% |
| MEXICAN PESO | 1,200 | 21 | 5,614.3% | 730 | 99 | 637.4% | 5,288 | 770 | 586.8% | 13,288 | 20,470 | -35.1% |
| 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 | 15 | -100.0% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 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% | 493 | 2,904 | -83.0% | 0 | 0 | 0.0% | 11,841 | 14,380 | -17.7% |
| Foreign Exchange Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | - | - | 1,252 | - | - | 0 | - | - | 7,928 | - | - |
| Ag Products Futures | | | | | | | | | | | | |
| BUTTER CS | 0 | 0 | 0.0% | 3,986 | 3,673 | 8.5% | 0 | 0 | 0.0% | 37,744 | 28,245 | 33.6% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 8,490 | 9,515 | -10.8% | 0 | 0 | 0.0% | 89,206 | 87,455 | 2.0% |
| CAT EURO SEASONAL STRIP | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 984 | 1,084 | -9.2% | 1,431,849 | 1,358,632 | 5.4% | 11,865 | 32,141 | -63.1% | 12,432,759 | 12,379,565 | 0.4% |
| 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% | 511 | 542 | -5.7% | 0 | 67 | -100.0% | 5,261 | 9,099 | -42.2% |
| DRY WHEY | 0 | 0 | 0.0% | 1,517 | 1,232 | 23.1% | 0 | 0 | 0.0% | 11,679 | 16,169 | -27.8% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 293,434 | 319,319 | -8.1% | 17 | 455 | -96.3% | 2,739,267 | 2,687,611 | 1.9% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 29,492 | 31,886 | -7.5% | 0 | 0 | 0.0% | 280,356 | 305,894 | -8.3% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 278 | 346 | -19.7% | 0 | 0 | 0.0% | 616 | 1,048 | -41.2% |
| 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% | 55 | 50 | 10.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| HOGS | 1,550 | 2,153 | -28.0% | 1,239,627 | 1,112,382 | 11.4% | 13,233 | 25,041 | -47.2% | 10,362,854 | 8,393,920 | 23.5% |
| HOUSING INDEX | 0 | 0 | 0.0% | 2 | 22 | -90.9% | 0 | 0 | 0.0% | 67 | 122 | -45.1% |
| LUMBER | 0 | 0 | 0.0% | 14,116 | 15,795 | -10.6% | 0 | 0 | 0.0% | 168,067 | 145,199 | 15.7% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 44 | -100.0% | 22,004 | 22,352 | -1.6% | 1,182 | 960 | 23.1% | 204,949 | 243,177 | -15.7% |
| 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% | 4,143 | 4,848 | -14.5% | 43 | 14 | 207.1% | 46,006 | 44,100 | 4.3% |
| 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 SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 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 | 1,410 | 1,819 | -22.5% | 5,166 | 1,579 | 227.2% | 10,314 | 9,791 | 5.3% | 27,032 | 5,076 | 432.5% |
| CASH-SETTLED CHEESE | 2,616 | 9,875 | -73.5% | 7,016 | 6,678 | 5.1% | 22,282 | 39,876 | -44.1% | 66,096 | 32,064 | 106.1% |
| CATTLE | 32,350 | 38,217 | -15.4% | 161,634 | 160,809 | 0.5% | 247,149 | 459,100 | -46.2% | 1,910,644 | 1,729,680 | 10.5% |
| 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 | 57 | 153 | -62.7% | 1,048 | 1,328 | -21.1% | 749 | 2,488 | -69.9% | 9,551 | 13,092 | -27.0% |
| DRY WHEY | 6 | 267 | -97.8% | 842 | 51 | 1,551.0% | 1,355 | 2,592 | -47.7% | 4,561 | 1,227 | 271.7% |
| FEEDER CATTLE | 965 | 6,697 | -85.6% | 23,438 | 29,065 | -19.4% | 17,778 | 39,630 | -55.1% | 249,866 | 271,882 | -8.1% |
| 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 | 21,158 | 34,600 | -38.8% | 231,808 | 244,127 | -5.0% | 241,844 | 269,835 | -10.4% | 1,870,688 | 1,649,449 | 13.4% |
| HOUSING INDEX | 0 | 0 | 0.0% | 0 | 7 | -100.0% | 0 | 0 | 0.0% | 0 | 42 | -100.0% |
| LUMBER | 5 | 2 | 150.0% | 1,384 | 1,190 | 16.3% | 216 | 42 | 414.3% | 15,381 | 10,087 | 52.5% |
| LV CATL CSO | 169 | 652 | -74.1% | 0 | 0 | 0.0% | 282 | 1,919 | -85.3% | 0 | 0 | 0.0% |
| MILK | 3,552 | 7,484 | -52.5% | 33,284 | 22,682 | 46.7% | 56,078 | 106,336 | -47.3% | 252,241 | 210,691 | 19.7% |
| MLK MID OPTIONS | 12 | 25 | -52.0% | 0 | 0 | 0.0% | 387 | 526 | -26.4% | 27 | 0 | 0.0% |
| NFD MILK | 236 | 879 | -73.2% | 4,408 | 2,703 | 63.1% | 7,804 | 12,696 | -38.5% | 37,043 | 23,577 | 57.1% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 666,690 | 626,060 | 6.5% | 53,684,837 | 53,619,752 | 0.1% | 7,260,793 | 5,541,844 | 31.0% | 544,661,292 | 479,392,393 | 13.6% |
| Equity Index Futures | 79,508 | 135,054 | -41.1% | 47,714,702 | 44,565,492 | 7.1% | 394,040 | 665,109 | -40.8% | 419,287,891 | 350,604,107 | 19.6% |
| FX Futures | 9 | 404 | -97.8% | 19,851,504 | 22,706,075 | -12.6% | 693 | 15,830 | -95.6% | 176,404,223 | 154,995,164 | 13.8% |
| Foreign Exchange Futures | 0 | 0 | 0.0% | 493 | 2,904 | -83.0% | 0 | 0 | 0.0% | 11,841 | 14,380 | -17.7% |
| Ag Products Futures | 2,534 | 3,281 | -22.8% | 3,049,449 | 2,880,544 | 5.9% | 26,340 | 58,678 | -55.1% | 26,378,886 | 24,341,729 | 8.4% |
| TOTAL FUTURES | 748,741 | 764,799 | -2.1% | 124,300,985 | 123,774,767 | 0.4% | 7,681,866 | 6,281,461 | 22.3% | 1,166,744,133 | 1,009,347,773 | 15.6% |

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CME Exchange Volume Comparison Report - Monthly

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|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|---------------|------------------------------|------------------------------|-------------|----------------------|----------------------|--------------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 720,338 | 1,109,931 | -35.1% | 11,057,747 | 11,791,288 | -6.2% | 9,037,801 | 9,887,417 | -8.6% | 137,510,280 | 115,980,355 | 18.6% |
| Interest Rate Options | 14,132,158 | 15,617,872 | -9.5% | 8,221,702 | 10,900,370 | -24.6% | 161,172,714 | 151,916,130 | 6.1% | 85,590,114 | 84,562,013 | 1.2% |
| FX Options | 3,737 | 9,711 | -61.5% | 1,326,556 | 1,989,136 | -33.3% | 26,006 | 97,970 | -73.5% | 13,957,854 | 14,337,692 | -2.6% |
| Ag Products Options | 62,536 | 100,670 | -37.9% | 470,028 | 470,219 | 0.0% | 606,238 | 944,831 | -35.8% | 4,443,130 | 3,946,867 | 12.6% |
| Foreign Exchange Options | 0 | - | - | 1,252 | - | - | 0 | - | - | 7,928 | - | - |
| TOTAL OPTIONS | 14,918,769 | 16,838,184 | -11.4% | 21,077,285 | 25,151,013 | -16.2% | 170,842,759 | 162,846,348 | 4.9% | 241,509,306 | 218,826,927 | 10.4% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 14,798,848 | 16,243,932 | -8.9% | 61,906,539 | 64,520,122 | -4.1% | 168,433,507 | 157,457,974 | 7.0% | 630,251,406 | 563,954,406 | 11.8% |
| Equity Index | 799,846 | 1,244,985 | -35.8% | 58,772,449 | 56,356,780 | 4.3% | 9,431,841 | 10,552,526 | -10.6% | 556,798,171 | 466,584,462 | 19.3% |
| FX | 3,746 | 10,115 | -63.0% | 21,178,060 | 24,695,211 | -14.2% | 26,699 | 113,800 | -76.5% | 190,362,077 | 169,332,856 | 12.4% |
| Foreign Exchange | 0 | 0 | 0.0% | 1,745 | 2,904 | -39.9% | 0 | 0 | 0.0% | 19,769 | 14,380 | 37.5% |
| Ag Products | 65,070 | 103,951 | -37.4% | 3,519,477 | 3,350,763 | 5.0% | 632,578 | 1,003,509 | -37.0% | 30,822,016 | 28,288,596 | 9.0% |
| GRAND TOTAL | 15,667,510 | 17,602,983 | -11.0% | 145,378,270 | 148,925,780 | -2.4% | 178,524,625 | 169,127,809 | 5.6% | 1,408,253,439 | 1,228,174,700 | 14.7% |

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