



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry AUG 2017 | Open Outcry AUG 2016 | % CHG | ELEC AUG 2017 | ELEC AUG 2016 | % CHG | Open Outcry Y.T.D 2017 | Open Outcry Y.T.D 2016 | % CHG | ELEC Y.T.D 2017 | ELEC Y.T.D 2016 | % CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| EURODOLLARS | 468,913 | 438,794 | 6.9% | 43,437,061 | 48,695,511 | -10.8% | 4,915,784 | 4,520,610 | 8.7% | 425,730,270 | 407,354,338 | 4.5% |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 2,237 | 504 | 343.8% | 0 | 0 | 0.0% | 42,371 | 9,734 | 335.3% |
| 2YR BUNDLE | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| EURO 5YR BUNDLE | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| 3YR BUNDLE | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| Interest Rate Options | | | | | | | | | | | | |
| EURODOLLARS | 4,694,990 | 8,531,878 | -45.0% | 2,508,419 | 3,028,773 | -17.2% | 68,029,393 | 85,189,128 | -20.1% | 32,200,154 | 23,935,733 | 34.5% |
| EURO MIDCURVE | 7,492,609 | 4,026,788 | 86.1% | 6,734,332 | 1,867,112 | 260.7% | 68,268,865 | 53,793,853 | 26.9% | 41,461,489 | 24,219,602 | 71.2% |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|-----------|------------------------------|------------------------------|----------|--------------------|--------------------|------------|
| Equity Index Futures | | | | | | | | | | | | |
| E-MINI S&P500 | 0 | 0 | 0.0% | 32,504,379 | 33,323,073 | -2.5% | 0 | 0 | 0.0% | 248,643,119 | 315,162,818 | -21.1% |
| S&P 500 | 25,750 | 48,117 | -46.5% | 4,247 | 5,559 | -23.6% | 530,055 | 858,579 | -38.3% | 35,930 | 84,639 | -57.5% |
| S&P 600 SMALLCAP EMINI | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 299,975 | 304,023 | -1.3% | 0 | 0 | 0.0% | 2,846,955 | 3,403,063 | -16.3% |
| S&P 400 MIDCAP | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| S&P 500 GROWTH | 0 | 0 | 0.0% | 3 | 4 | -25.0% | 0 | 0 | 0.0% | 147 | 167 | -12.0% |
| S&P 500/VALUE | 0 | 0 | 0.0% | 5,843 | 686 | 751.7% | 0 | 0 | 0.0% | 63,172 | 26,649 | 137.1% |
| E-MINI RUSSELL 2000 | 0 | - | - | 447,415 | - | - | 0 | - | - | 582,063 | - | - |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 3,412 | 63 | 5,315.9% | 0 | 0 | 0.0% | 12,421 | 3,780 | 228.6% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 7,415,712 | 4,025,428 | 84.2% | 0 | 0 | 0.0% | 43,869,917 | 44,100,061 | -0.5% |
| NASDAQ | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 218,230 | 231,894 | -5.9% | 0 | 0 | 0.0% | 2,078,213 | 3,168,987 | -34.4% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 828,791 | 883,594 | -6.2% | 0 | 0 | 0.0% | 7,197,097 | 10,412,991 | -30.9% |
| NASDAQ BIOTECH | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| E-MICRO NIFTY | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 8,918 | 12,612 | -29.3% | 0 | 0 | 0.0% | 80,307 | 68,954 | 16.5% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 16,619 | 4,385 | 279.0% | 0 | 0 | 0.0% | 117,940 | 51,006 | 131.2% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 3,546 | 2,423 | 46.3% | 0 | 0 | 0.0% | 36,241 | 36,148 | 0.3% |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 3,138 | 3,080 | 1.9% | 0 | 0 | 0.0% | 31,336 | 37,592 | -16.6% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 4,215 | 6,119 | -31.1% | 0 | 0 | 0.0% | 68,489 | 60,693 | 12.8% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 3,220 | 4,209 | -23.5% | 0 | 0 | 0.0% | 42,950 | 33,769 | 27.2% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 6,719 | 1,306 | 414.5% | 0 | 0 | 0.0% | 32,800 | 21,531 | 52.3% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 2,177 | 2,538 | -14.2% | 0 | 0 | 0.0% | 46,109 | 55,789 | -17.4% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 4,911 | 12,740 | -61.5% | 0 | 0 | 0.0% | 102,699 | 94,895 | 8.2% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 1,027 | 816 | 25.9% | 0 | 0 | 0.0% | 5,195 | 5,479 | -5.2% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 2,154 | 224 | 861.6% | 0 | 0 | 0.0% | 14,856 | 3,999 | 271.5% |
| FT-SE 100 | 0 | 0 | 0.0% | 2,974 | 1,268 | 134.5% | 0 | 0 | 0.0% | 15,768 | 13,961 | 12.9% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 2,473 | 79 | 3,030.4% | 0 | 0 | 0.0% | 9,308 | 2,355 | 295.2% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 1,263 | 3 | 42,000.0% | 0 | 0 | 0.0% | 20,813 | 3 | 693,666.7% |
| NIFTY 50 | 0 | 0 | 0.0% | 15,995 | 14,497 | 10.3% | 0 | 0 | 0.0% | 84,770 | 67,798 | 25.0% |

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|-----------------------------|----------------------------|----------------------------|-----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Equity Index Options | | | | | | | | | | | | |
| E-MINI S&P500 | 0 | 0 | 0.0% | 5,705,797 | 2,913,647 | 95.8% | 1,935 | 110,315 | -98.2% | 33,116,049 | 41,619,425 | -20.4% |
| S&P 500 | 483,641 | 248,482 | 94.6% | 0 | 0 | 0.0% | 2,541,585 | 4,679,432 | -45.7% | 0 | 0 | 0.0% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 0 | 6 | -100.0% | 0 | 0 | 0.0% | 0 | 16 | -100.0% |
| E-MINI RUSSELL 2000 | 0 | - | - | 6,724 | - | - | 0 | - | - | 8,912 | - | - |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 360,616 | 216,473 | 66.6% | 0 | 0 | 0.0% | 1,816,708 | 1,787,187 | 1.7% |
| NASDAQ | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| EOM S&P 500 | 192,110 | 118,220 | 62.5% | 0 | 0 | 0.0% | 1,396,096 | 1,369,472 | 1.9% | 0 | 0 | 0.0% |
| EOM EMINI S&P | 0 | 0 | 0.0% | 2,080,680 | 1,613,558 | 28.9% | 0 | 0 | 0.0% | 15,882,299 | 12,588,256 | 26.2% |
| EOW1 S&P 500 | 91,082 | 79,921 | 14.0% | 0 | 0 | 0.0% | 695,827 | 464,772 | 49.7% | 0 | 0 | 0.0% |
| EOW1 EMINI S&P 500 | 0 | 0 | 0.0% | 940,366 | 1,192,254 | -21.1% | 0 | 0 | 0.0% | 8,734,638 | 7,691,663 | 13.6% |
| EOW2 S&P 500 | 197,130 | 137,476 | 43.4% | 0 | 0 | 0.0% | 1,324,566 | 1,023,952 | 29.4% | 0 | 0 | 0.0% |
| EOW2 EMINI S&P 500 | 0 | 0 | 0.0% | 1,383,549 | 1,031,963 | 34.1% | 0 | 0 | 0.0% | 9,002,565 | 7,866,144 | 14.4% |
| EOW4 EMINI S&P 500 | 0 | 0 | 0.0% | 1,275,028 | 1,053,465 | 21.0% | 0 | 0 | 0.0% | 7,573,159 | 8,662,314 | -12.6% |
| EOM3 E-MINI S&P 500 END OF | 0 | - | - | 5,170 | - | - | 0 | - | - | 7,931 | - | - |
| EOW3 EMINI S&P 500 | 3,000 | 0 | 0.0% | 3,572,196 | 2,986,537 | 19.6% | 3,000 | 27,000 | -88.9% | 28,046,806 | 12,050,619 | 132.7% |
| EOW3 S&P 500 | 375,215 | 297,480 | 26.1% | 0 | 0 | 0.0% | 2,814,477 | 1,719,369 | 63.7% | 0 | 0 | 0.0% |
| FX Futures | | | | | | | | | | | | |
| AUSTRALIAN DOLLAR | 0 | 228 | -100.0% | 2,038,588 | 2,008,326 | 1.5% | 1,506 | 977 | 54.1% | 15,170,621 | 16,883,916 | -10.1% |
| BRITISH POUND | 0 | 16 | -100.0% | 2,120,911 | 1,848,704 | 14.7% | 248 | 721 | -65.6% | 19,080,512 | 18,549,014 | 2.9% |
| BRAZIL REAL | 0 | 0 | 0.0% | 51,932 | 49,954 | 4.0% | 0 | 0 | 0.0% | 395,560 | 387,845 | 2.0% |
| CANADIAN DOLLAR | 496 | 3 | 16,433.3% | 1,514,219 | 1,402,829 | 7.9% | 2,532 | 747 | 239.0% | 12,251,738 | 12,273,339 | -0.2% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 97,241 | 48,572 | 100.2% | 0 | 0 | 0.0% | 729,262 | 624,111 | 16.8% |
| EURO FX | 193 | 626 | -69.2% | 4,666,145 | 2,985,639 | 56.3% | 2,459 | 6,946 | -64.6% | 35,506,637 | 31,551,142 | 12.5% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 23,166 | 27,185 | -14.8% | 0 | 0 | 0.0% | 269,426 | 276,307 | -2.5% |
| JAPANESE YEN | 882 | 540 | 63.3% | 3,385,170 | 2,214,623 | 52.9% | 8,676 | 3,325 | 160.9% | 26,835,864 | 23,856,593 | 12.5% |
| MEXICAN PESO | 0 | 0 | 0.0% | 810,536 | 1,116,373 | -27.4% | 5 | 0 | 0.0% | 7,820,400 | 8,703,100 | -10.1% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 505,052 | 441,727 | 14.3% | 0 | 0 | 0.0% | 3,909,056 | 3,571,395 | 9.5% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 1,445 | 1,721 | -16.0% | 0 | 0 | 0.0% | 13,891 | 11,711 | 18.6% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 29,029 | 21,929 | 32.4% | 0 | 0 | 0.0% | 274,348 | 216,124 | 26.9% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 44,527 | 20,907 | 113.0% | 0 | 0 | 0.0% | 336,819 | 120,440 | 179.7% |
| SWISS FRANC | 0 | 0 | 0.0% | 685,928 | 416,263 | 64.8% | 0 | 0 | 0.0% | 4,389,023 | 3,670,290 | 19.6% |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 4 | 0 | 0.0% | 0 | 0 | 0.0% | 33 | 37 | -10.8% |

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| FX Futures | | | | | | | | | | | | |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 2,432 | 1,864 | 30.5% | 0 | 0 | 0.0% | 17,922 | 31,637 | -43.4% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 101 | 35 | 188.6% | 0 | 0 | 0.0% | 720 | 629 | 14.5% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 2,908 | 1,946 | 49.4% | 0 | 0 | 0.0% | 20,842 | 14,872 | 40.1% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 15 | 7 | 114.3% | 0 | 0 | 0.0% | 612 | 316 | 93.7% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 50 | 0 | 0.0% | 0 | 0 | 0.0% | 552 | 10 | 5,420.0% |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 1,008 | 933 | 8.0% | 0 | 0 | 0.0% | 18,671 | 12,614 | 48.0% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 3,186 | 1,381 | 130.7% | 0 | 0 | 0.0% | 31,707 | 17,923 | 76.9% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 321 | 0 | 0.0% | 0 | 0 | 0.0% | 765 | 7 | 10,828.6% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 446 | 31 | 1,338.7% | 0 | 0 | 0.0% | 3,046 | 491 | 520.4% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 55,280 | 37,137 | 48.9% | 0 | 0 | 0.0% | 497,556 | 550,180 | -9.6% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 72,748 | 18,340 | 296.7% | 0 | 0 | 0.0% | 488,998 | 305,763 | 59.9% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 35,360 | 15,581 | 126.9% | 0 | 0 | 0.0% | 263,257 | 241,292 | 9.1% |
| SF/JY CROSS RATES | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 1,523 | 1,263 | 20.6% | 0 | 0 | 0.0% | 15,055 | 11,444 | 31.6% |
| HUNGARIAN FORINT (US) | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 70 | 953 | -92.7% | 0 | 0 | 0.0% | 867 | 3,645 | -76.2% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 18 | 5 | 260.0% | 0 | 0 | 0.0% | 371 | 4,597 | -91.9% |
| SHEKEL | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RMB USD | 0 | 0 | 0.0% | 28 | 22 | 27.3% | 0 | 6 | -100.0% | 230 | 1,670 | -86.2% |
| KOREAN WON | 0 | 0 | 0.0% | 8 | 6 | 33.3% | 0 | 0 | 0.0% | 137 | 124 | 10.5% |
| TURKISH LIRA | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12 | 0 | 0.0% |
| TURKISH LIRA (EU) | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO EUR/USD | 0 | 0 | 0.0% | 281,860 | 184,407 | 52.8% | 0 | 0 | 0.0% | 2,031,467 | 2,275,583 | -10.7% |
| E-MICRO GBP/USD | 0 | 0 | 0.0% | 36,635 | 103,075 | -64.5% | 0 | 0 | 0.0% | 459,741 | 607,494 | -24.3% |
| E-MICRO USD/CAD | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 22 | -100.0% |
| E-MICRO USD/CHF | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1 | -100.0% |
| E-MICRO USD/JPY | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 4 | -100.0% |
| E-MICRO AUD/USD | 0 | 0 | 0.0% | 105,362 | 132,532 | -20.5% | 0 | 0 | 0.0% | 682,310 | 800,483 | -14.8% |
| MICRO CHF/USD | 0 | 0 | 0.0% | 1,023 | 1,286 | -20.5% | 0 | 0 | 0.0% | 7,536 | 15,557 | -51.6% |
| INDIAN RUPEE | 0 | 0 | 0.0% | 35,535 | 10,507 | 238.2% | 0 | 0 | 0.0% | 247,078 | 96,924 | 154.9% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 6 | -100.0% |
| E-MICRO INR/USD | 0 | 0 | 0.0% | 2,197 | 2,865 | -23.3% | 0 | 0 | 0.0% | 20,406 | 14,162 | 44.1% |
| E-MICRO JPY/USD | 0 | 0 | 0.0% | 30,881 | 28,667 | 7.7% | 0 | 0 | 0.0% | 327,675 | 234,673 | 39.6% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 1,404 | 883 | 59.0% | 0 | 0 | 0.0% | 11,080 | 10,905 | 1.6% |
| FCXRX | 0 | 0 | 0.0% | 0 | 58 | -100.0% | 0 | 0 | 0.0% | 6,243 | 468 | 1,234.0% |

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| FX Futures | | | | | | | | | | | | |
| E-MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 61 | -100.0% |
| E-MICRO CAD/USD | 0 | 0 | 0.0% | 24,740 | 20,567 | 20.3% | 0 | 0 | 0.0% | 151,043 | 163,784 | -7.8% |
| FX Options | | | | | | | | | | | | |
| AUSTRALIAN DOLLAR | 0 | 2,680 | -100.0% | 0 | 107,870 | -100.0% | 2,674 | 9,259 | -71.1% | 200,250 | 1,083,932 | -81.5% |
| BRITISH POUND | 0 | 2,685 | -100.0% | 0 | 175,928 | -100.0% | 693 | 28,630 | -97.6% | 462,114 | 1,598,215 | -71.1% |
| CANADIAN DOLLAR | 0 | 113 | -100.0% | 0 | 96,905 | -100.0% | 4,597 | 23,129 | -80.1% | 183,080 | 1,134,145 | -83.9% |
| EURO FX | 0 | 6,058 | -100.0% | 0 | 470,951 | -100.0% | 8,535 | 94,128 | -90.9% | 1,287,538 | 5,600,868 | -77.0% |
| JAPANESE YEN | 0 | 2,870 | -100.0% | 0 | 262,099 | -100.0% | 8,468 | 56,518 | -85.0% | 544,469 | 2,423,024 | -77.5% |
| MEXICAN PESO | 0 | 468 | -100.0% | 235 | 3,503 | -93.3% | 749 | 1,233 | -39.3% | 20,371 | 19,978 | 2.0% |
| NEW ZEALND DOLLAR | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SWISS FRANC | 0 | 0 | 0.0% | 0 | 4,207 | -100.0% | 0 | 272 | -100.0% | 5,710 | 53,197 | -89.3% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 95 | -100.0% | 0 | 0 | 0.0% | 180 | 5,898 | -96.9% |
| EURO FX (EU) | 0 | 0 | 0.0% | 90 | 586 | -84.6% | 0 | 0 | 0.0% | 436 | 28,313 | -98.5% |
| SWISS FRANC (EU) | 0 | - | - | 1 | - | - | 0 | - | - | 15 | - | - |
| CANADIAN DOLLAR (EU) | 0 | 0 | 0.0% | 13 | 18 | -27.8% | 0 | 0 | 0.0% | 111 | 1,786 | -93.8% |
| BRITISH POUND (EU) | 0 | 0 | 0.0% | 443 | 100 | 343.0% | 0 | 0 | 0.0% | 1,765 | 9,066 | -80.5% |
| AUSTRALIAN DLR (EU) | 0 | 0 | 0.0% | 0 | 22 | -100.0% | 0 | 0 | 0.0% | 2 | 1,146 | -99.8% |
| CHF/USD PQO 2pm Fix | 0 | 0 | 0.0% | 3,799 | 72 | 5,176.4% | 0 | 0 | 0.0% | 19,485 | 72 | 26,962.5% |
| GBP/USD PQO 2pm Fix | 164 | 0 | 0.0% | 230,638 | 801 | 28,693.8% | 2,634 | 0 | 0.0% | 1,365,764 | 801 | 170,407.4% |
| AUD/USD PQO 2pm Fix | 163 | 0 | 0.0% | 143,263 | 496 | 28,783.7% | 4,338 | 0 | 0.0% | 814,646 | 496 | 164,143.1% |
| EUR/USD PQO 2pm Fix | 2,150 | 0 | 0.0% | 1,063,210 | 1,439 | 73,785.3% | 20,941 | 0 | 0.0% | 4,551,816 | 1,439 | 316,218.0% |
| JPY/USD PQO 2pm Fix | 3,229 | 0 | 0.0% | 336,693 | 533 | 63,069.4% | 30,535 | 0 | 0.0% | 1,929,643 | 533 | 361,934.3% |
| CAD/USD PQO 2pm Fix | 1,627 | 0 | 0.0% | 165,426 | 595 | 27,702.7% | 4,095 | 0 | 0.0% | 961,161 | 595 | 161,439.7% |



CME Exchange Volume Comparison Report - Monthly

| | Open Outcry AUG 2017 | Open Outcry AUG 2016 | % CHG | ELEC AUG 2017 | ELEC AUG 2016 | % CHG | Open Outcry Y.T.D 2017 | Open Outcry Y.T.D 2016 | % CHG | ELEC Y.T.D 2017 | ELEC Y.T.D 2016 | % CHG |
|--|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| Commodities and Alternative Investments | | | | | | | | | | | | |
| Futures | | | | | | | | | | | | |
| LIVE CATTLE | 719 | 4,239 | -83.0% | 1,152,224 | 985,345 | 16.9% | 31,057 | 29,273 | 6.1% | 11,020,933 | 8,393,256 | 31.3% |
| FEEDER CATTLE | 32 | 40 | -20.0% | 382,734 | 248,740 | 53.9% | 455 | 212 | 114.6% | 2,368,292 | 1,645,564 | 43.9% |
| LEAN HOGS | 4,129 | 2,146 | 92.4% | 971,278 | 638,518 | 52.1% | 22,888 | 16,622 | 37.7% | 7,281,538 | 5,804,905 | 25.4% |
| LUMBER | 0 | 0 | 0.0% | 15,662 | 17,296 | -9.4% | 0 | 0 | 0.0% | 129,404 | 117,783 | 9.9% |
| MILK | 125 | 297 | -57.9% | 30,844 | 30,080 | 2.5% | 916 | 620 | 47.7% | 220,825 | 202,280 | 9.2% |
| MLK MID | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 14 | 0 | 0.0% | 5,553 | 4,417 | 25.7% | 14 | 0 | 0.0% | 39,252 | 39,139 | 0.3% |
| BUTTER CS | 0 | 0 | 0.0% | 4,084 | 4,040 | 1.1% | 0 | 0 | 0.0% | 24,572 | 24,295 | 1.1% |
| CLASS IV MILK | 6 | 0 | 0.0% | 1,084 | 937 | 15.7% | 67 | 0 | 0.0% | 8,557 | 7,858 | 8.9% |
| DRY WHEY | 0 | 0 | 0.0% | 1,209 | 1,617 | -25.2% | 0 | 0 | 0.0% | 14,937 | 9,406 | 58.8% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 702 | 819 | -14.3% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 31,341 | 29,797 | 5.2% | 0 | 0 | 0.0% | 274,008 | 219,962 | 24.6% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 50 | 78 | -35.9% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 50 | -100.0% | 0 | 0 | 0.0% | 25 | 400 | -93.8% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 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% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 50 | 100 | -50.0% |
| CAT WEATHER EUROPEAN | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| CAT EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOUSING INDEX | 0 | 0 | 0.0% | 18 | 5 | 260.0% | 0 | 0 | 0.0% | 100 | 68 | 47.1% |
| USD CRUDE PALM OIL | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CASH-SETTLED CHEESE | 0 | 6 | -100.0% | 10,004 | 8,932 | 12.0% | 0 | 6 | -100.0% | 77,940 | 84,690 | -8.0% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 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% |
| 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 AUG 2017 | Open Outcry AUG 2016 | % CHG | ELEC AUG 2017 | ELEC AUG 2016 | % CHG | Open Outcry Y.T.D 2017 | Open Outcry Y.T.D 2016 | % CHG | ELEC Y.T.D 2017 | ELEC Y.T.D 2016 | % CHG |
|--|----------------------------|----------------------------|-------------|--------------------|--------------------|-------------|------------------------------|------------------------------|-------------|--------------------|--------------------|--------------|
| Commodities and Alternative Investments | | | | | | | | | | | | |
| Options | | | | | | | | | | | | |
| LIVE CATTLE | 40,253 | 75,050 | -46.4% | 183,859 | 227,537 | -19.2% | 420,883 | 1,002,092 | -58.0% | 1,568,871 | 1,908,572 | -17.8% |
| FEEDER CATTLE | 5,242 | 5,390 | -2.7% | 35,941 | 33,901 | 6.0% | 32,933 | 34,050 | -3.3% | 242,817 | 241,597 | 0.5% |
| LEAN HOGS | 41,991 | 32,716 | 28.4% | 276,536 | 148,026 | 86.8% | 235,235 | 284,256 | -17.2% | 1,405,322 | 1,035,058 | 35.8% |
| LUMBER | 5 | 0 | 0.0% | 1,015 | 950 | 6.8% | 40 | 105 | -61.9% | 8,897 | 7,247 | 22.8% |
| MILK | 14,160 | 13,040 | 8.6% | 22,781 | 22,857 | -0.3% | 98,852 | 96,032 | 2.9% | 188,009 | 124,365 | 51.2% |
| MLK MID | 0 | 193 | -100.0% | 0 | 0 | 0.0% | 501 | 472 | 6.1% | 0 | 0 | 0.0% |
| NFD MILK | 1,040 | 1,243 | -16.3% | 1,998 | 1,068 | 87.1% | 11,817 | 17,642 | -33.0% | 20,874 | 9,242 | 125.9% |
| BUTTER CS | 754 | 754 | 0.0% | 1,420 | 95 | 1,394.7% | 7,972 | 8,103 | -1.6% | 3,497 | 1,669 | 109.5% |
| CLASS IV MILK | 132 | 35 | 277.1% | 1,631 | 1,274 | 28.0% | 2,335 | 1,950 | 19.7% | 11,764 | 5,842 | 101.4% |
| DRY WHEY | 2 | 121 | -98.3% | 69 | 18 | 283.3% | 2,325 | 751 | 209.6% | 1,176 | 55 | 2,038.2% |
| HDD WEATHER | 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% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 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% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CAT WEATHER EUROPEAN | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOUSING INDEX | 0 | 0 | 0.0% | 10 | 0 | 0.0% | 0 | 0 | 0.0% | 35 | 18 | 94.4% |
| LV CATL CSO | 0 | 5 | -100.0% | 0 | 0 | 0.0% | 1,267 | 254 | 398.8% | 0 | 0 | 0.0% |
| CASH-SETTLED CHEESE | 3,098 | 7,363 | -57.9% | 3,487 | 1,390 | 150.9% | 30,001 | 39,067 | -23.2% | 25,386 | 18,817 | 34.9% |
| Foreign Exchange Futures | | | | | | | | | | | | |
| CHILEAN PESO | 0 | 0 | 0.0% | 4,000 | 0 | 0.0% | 0 | 6 | -100.0% | 11,476 | 4 | 286,800.0% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 468,913 | 438,794 | 6.9% | 43,439,298 | 48,696,015 | -10.8% | 4,915,784 | 4,520,610 | 8.7% | 425,772,641 | 407,364,072 | 4.5% |
| Equity Index Futures | 25,750 | 48,117 | -46.5% | 41,807,356 | 38,840,623 | 7.6% | 530,055 | 858,579 | -38.3% | 306,038,615 | 376,917,127 | -18.8% |
| FX Futures | 1,571 | 1,413 | 11.2% | 16,669,032 | 13,169,103 | 26.6% | 15,426 | 12,722 | 21.3% | 132,289,089 | 126,112,705 | 4.9% |
| Commodities and Alternative Inve | 5,025 | 6,728 | -25.3% | 2,606,035 | 1,969,774 | 32.3% | 55,397 | 46,733 | 18.5% | 21,461,185 | 16,550,653 | 29.7% |
| Foreign Exchange Futures | 0 | 0 | 0.0% | 4,000 | 0 | 0.0% | 0 | 6 | -100.0% | 11,476 | 4 | 286,800.0% |
| TOTAL FUTURES | 501,259 | 495,052 | 1.3% | 104,525,721 | 102,675,515 | 1.8% | 5,516,662 | 5,438,650 | 1.4% | 885,573,006 | 926,944,561 | -4.5% |

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CME Exchange Volume Comparison Report - Monthly

| | Open Outcry AUG 2017 | Open Outcry AUG 2016 | % CHG | ELEC AUG 2017 | ELEC AUG 2016 | % CHG | Open Outcry Y.T.D 2017 | Open Outcry Y.T.D 2016 | % CHG | ELEC Y.T.D 2017 | ELEC Y.T.D 2016 | % CHG |
|----------------------------------|----------------------------|----------------------------|-------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|----------------------|--------------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 1,342,178 | 881,579 | 52.2% | 15,330,126 | 11,007,903 | 39.3% | 8,777,486 | 9,394,312 | -6.6% | 104,189,067 | 92,265,624 | 12.9% |
| Interest Rate Options | 12,187,599 | 12,558,666 | -3.0% | 9,242,751 | 4,895,885 | 88.8% | 136,298,258 | 138,982,981 | -1.9% | 73,661,643 | 48,155,335 | 53.0% |
| FX Options | 7,333 | 14,874 | -50.7% | 1,943,811 | 1,126,220 | 72.6% | 88,259 | 213,169 | -58.6% | 12,348,556 | 11,963,504 | 3.2% |
| Commodities and Alternative Inve | 106,677 | 135,910 | -21.5% | 528,747 | 437,116 | 21.0% | 844,161 | 1,484,774 | -43.1% | 3,476,648 | 3,352,482 | 3.7% |
| TOTAL OPTIONS | 13,643,787 | 13,591,029 | 0.4% | 27,045,435 | 17,467,124 | 54.8% | 146,008,164 | 150,075,236 | -2.7% | 193,675,914 | 155,736,945 | 24.4% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 12,656,512 | 12,997,460 | -2.6% | 52,682,049 | 53,591,900 | -1.7% | 141,214,042 | 143,503,591 | -1.6% | 499,434,284 | 455,519,407 | 9.6% |
| Equity Index | 1,367,928 | 929,696 | 47.1% | 57,137,482 | 49,848,526 | 14.6% | 9,307,541 | 10,252,891 | -9.2% | 410,227,682 | 469,182,751 | -12.6% |
| FX | 8,904 | 16,287 | -45.3% | 18,612,843 | 14,295,323 | 30.2% | 103,685 | 225,891 | -54.1% | 144,637,645 | 138,076,209 | 4.8% |
| Commodities and Alternative Inve | 111,702 | 142,638 | -21.7% | 3,134,782 | 2,406,890 | 30.2% | 899,558 | 1,531,507 | -41.3% | 24,937,833 | 19,903,135 | 25.3% |
| Foreign Exchange | 0 | 0 | 0.0% | 4,000 | 0 | 0.0% | 0 | 6 | -100.0% | 11,476 | 4 | 286,800.0% |
| GRAND TOTAL | 14,145,046 | 14,086,081 | 0.4% | 131,571,156 | 120,142,639 | 9.5% | 151,524,826 | 155,513,886 | -2.6% | 1,079,248,920 | 1,082,681,506 | -0.3% |

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