

CME Exchange Volume Report - Monthly

| | VOLUME OCT 2017 | VOLUME OCT 2016 | % CHG | VOLUME SEP 2017 | % CHG | VOLUME Y.T.D 2017 | VOLUME Y.T.D 2016 | % CHG |
|------------------------------|--------------------|--------------------|-----------|--------------------|--------|----------------------|----------------------|----------|
| Interest Rate Futures | | | | | | | | |
| EURODOLLARS | 52,213,924 | 42,365,854 | 23.2% | 54,730,960 | -4.6% | 543,415,667 | 508,345,588 | 6.9% |
| 1-MONTH EURODOLLAR | 2,091 | 391 | 434.8% | 2,893 | -27.7% | 49,955 | 10,712 | 366.3% |
| 2YR BUNDLE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| 3YR BUNDLE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| EURO 5YR BUNDLE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| Interest Rate Options | | | | | | | | |
| EURODOLLARS | 11,729,078 | 9,529,644 | 23.1% | 11,448,795 | 2.4% | 132,372,811 | 142,343,925 | -7.0% |
| EURO MIDCURVE | 21,492,066 | 7,922,916 | 171.3% | 16,405,981 | 31.0% | 160,109,177 | 101,908,555 | 57.1% |
| Equity Index Futures | | | | | | | | |
| E-MINI S&P500 | 24,444,346 | 32,532,206 | -24.9% | 33,472,914 | -27.0% | 307,335,519 | 398,280,790 | -22.8% |
| S&P 500 | 65,559 | 101,081 | -35.1% | 190,828 | -65.6% | 1,236,459 | 1,839,456 | -32.8% |
| S&P 600 SMALLCAP EMINI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| E-MINI MIDCAP | 229,221 | 336,632 | -31.9% | 431,674 | -46.9% | 3,592,354 | 4,514,734 | -20.4% |
| S&P 400 MIDCAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| S&P 500 GROWTH | 18 | 12 | 50.0% | 85 | -78.8% | 250 | 220 | 13.6% |
| S&P 500/VALUE | 21,376 | 8,700 | 145.7% | 14,938 | 43.1% | 198,446 | 105,072 | 88.9% |
| E-MINI RUSSELL 2000 | 1,717,176 | 0 | - | 3,146,541 | -45.4% | 5,454,110 | 0 | - |
| E-MINI RUSSELL 1000 | 5,413 | 131 | 4,032.1% | 18,365 | -70.5% | 36,604 | 4,154 | 781.2% |
| E-MINI NASDAQ 100 | 5,498,937 | 4,715,978 | 16.6% | 6,785,352 | -19.0% | 56,551,249 | 55,877,581 | 1.2% |
| NASDAQ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NIKKEI 225 (\$) STOCK | 245,441 | 193,521 | 26.8% | 275,584 | -10.9% | 2,601,685 | 3,688,266 | -29.5% |
| NIKKEI 225 (YEN) STOCK | 872,819 | 851,820 | 2.5% | 857,638 | 1.8% | 8,947,328 | 12,427,496 | -28.0% |
| NASDAQ BIOTECH | 100 | 18 | 455.6% | 977 | -89.8% | 3,249 | 390 | 733.1% |
| S&P MATERIALS SECTOR | 6,748 | 4,513 | 49.5% | 18,664 | -63.8% | 84,571 | 59,845 | 41.3% |
| S&P UTILITIES SECTOR | 11,368 | 15,453 | -26.4% | 76,064 | -85.1% | 269,722 | 244,066 | 10.5% |
| S&P HEALTH CARE SECTOR | 5,333 | 5,676 | -6.0% | 28,128 | -81.0% | 158,225 | 110,395 | 43.3% |
| S&P CONSUMER DSCRTNRY SE | 6,622 | 6,715 | -1.4% | 10,215 | -35.2% | 74,235 | 118,517 | -37.4% |
| S&P TECHNOLOGY SECTOR | 5,043 | 2,166 | 132.8% | 22,581 | -77.7% | 98,254 | 64,153 | 53.2% |
| S&P CONSUMER STAPLES SECT | 11,311 | 10,688 | 5.8% | 61,377 | -81.6% | 162,777 | 275,083 | -40.8% |
| S&P ENERGY SECTOR | 6,779 | 10,026 | -32.4% | 35,317 | -80.8% | 162,636 | 105,954 | 53.5% |
| S&P FINANCIAL SECTOR | 11,815 | 11,020 | 7.2% | 67,597 | -82.5% | 291,901 | 122,840 | 137.6% |
| S&P INDUSTRIAL SECTOR | 6,314 | 3,599 | 75.4% | 14,044 | -55.0% | 87,529 | 85,702 | 2.1% |
| E-MICRO NIFTY | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| IBOVESPA INDEX | 1,253 | 1,204 | 4.1% | 192 | 552.6% | 6,660 | 7,202 | -7.5% |
| FT-SE 100 | 799 | 554 | 44.2% | 907 | -11.9% | 5,530 | 6,435 | -14.1% |
| E-MINI RUSSELL 1000 VALUE | 12,117 | 49 | 24,628.6% | 33,092 | -63.4% | 65,873 | 8,104 | 712.8% |
| E-MINI S&P REAL ESTATE SELE | 4,389 | 492 | 792.1% | 14,821 | -70.4% | 60,991 | 1,567 | 3,792.2% |
| NIFTY 50 | 14,123 | 13,294 | 6.2% | 18,228 | -22.5% | 117,121 | 104,071 | 12.5% |
| E-MINI RUSSELL 1000 GROWTH | 4,937 | 16 | 30,756.3% | 9,659 | -48.9% | 31,758 | 2,626 | 1,109.4% |
| E-mini FTSE 100 (USD) | 593 | 0 | 0.0% | 266 | 122.9% | 979 | 373 | 162.5% |
| E-mini FTSE China 50 | 1,842 | 799 | 130.5% | 1,449 | 27.1% | 14,887 | 8,583 | 73.4% |
| FTSE Emerging | 187 | 67 | 179.1% | 41 | 356.1% | 456 | 1,424 | -68.0% |

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|-----------------------------|--------------------|--------------------|--------|--------------------|--------|----------------------|----------------------|---------|
| Equity Index Options | | | | | | | | |
| E-MINI S&P500 | 3,657,995 | 2,354,131 | 55.4% | 4,585,072 | -20.2% | 41,361,051 | 48,650,710 | -15.0% |
| S&P 500 | 275,881 | 140,050 | 97.0% | 320,586 | -13.9% | 3,139,003 | 5,030,191 | -37.6% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 17 | -100.0% |
| E-MINI RUSSELL 2000 | 12,380 | 0 | - | 3,063 | 304.2% | 22,206 | 0 | - |
| E-MINI NASDAQ 100 | 292,479 | 190,796 | 53.3% | 230,746 | 26.8% | 2,339,933 | 2,204,915 | 6.1% |
| NASDAQ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| EOM S&P 500 | 217,950 | 134,824 | 61.7% | 218,798 | -0.4% | 1,832,844 | 1,736,724 | 5.5% |
| EOM EMINI S&P | 1,962,598 | 1,355,515 | 44.8% | 2,073,790 | -5.4% | 19,918,687 | 16,398,398 | 21.5% |
| EOW1 S&P 500 | 104,396 | 93,078 | 12.2% | 73,833 | 41.4% | 874,056 | 625,217 | 39.8% |
| EOW1 EMINI S&P 500 | 1,082,551 | 1,184,812 | -8.6% | 741,584 | 46.0% | 10,558,773 | 9,957,828 | 6.0% |
| EOW2 S&P 500 | 206,966 | 111,845 | 85.0% | 136,564 | 51.6% | 1,668,096 | 1,290,611 | 29.2% |
| EOW2 EMINI S&P 500 | 916,206 | 1,115,305 | -17.9% | 612,816 | 49.5% | 10,531,587 | 10,198,371 | 3.3% |
| EOW4 EMINI S&P 500 | 1,083,350 | 928,897 | 16.6% | 986,983 | 9.8% | 9,643,492 | 11,196,423 | -13.9% |
| EOW3 EMINI S&P 500 | 3,490,647 | 4,397,999 | -20.6% | 2,524,133 | 38.3% | 34,064,586 | 20,093,091 | 69.5% |
| EOW3 S&P 500 | 469,573 | 434,322 | 8.1% | 360,150 | 30.4% | 3,644,200 | 2,472,843 | 47.4% |
| EOW1 E-MINI RUSSELL 2000 WE | 2,650 | 0 | - | 1,222 | 116.9% | 4,861 | 0 | - |
| EOM E-MINI RUSSELL 2000 END | 1,678 | 0 | - | 7,698 | -78.2% | 11,525 | 0 | - |
| EOW4 E-MINI RUSSELL 2000 WE | 5,357 | 0 | - | 2,139 | 150.4% | 8,449 | 0 | - |
| EOW2 E-MINI RUSSELL 2000 WE | 4,268 | 0 | - | 1,704 | 150.5% | 6,668 | 0 | - |
| EOW1 E-MINI RUSSELL 2000 WE | 2,456 | 0 | - | 1,830 | 34.2% | 4,935 | 0 | - |
| EOW3 E-MINI RUSSELL 2000 WE | 20,186 | 0 | - | 18,508 | 9.1% | 43,338 | 0 | - |

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|------------------------|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|------------|
| FX Futures | | | | | | | | |
| AUSTRALIAN DOLLAR | 2,250,564 | 1,864,681 | 20.7% | 2,604,614 | -13.6% | 20,107,601 | 21,248,762 | -5.4% |
| BRITISH POUND | 2,570,933 | 2,714,856 | -5.3% | 3,406,683 | -24.5% | 25,141,420 | 23,939,582 | 5.0% |
| BRAZIL REAL | 137,989 | 87,198 | 58.2% | 108,232 | 27.5% | 954,779 | 834,727 | 14.4% |
| CANADIAN DOLLAR | 1,559,135 | 1,507,058 | 3.5% | 2,143,265 | -27.3% | 16,060,861 | 15,669,925 | 2.5% |
| E-MINI EURO FX | 81,016 | 55,493 | 46.0% | 134,483 | -39.8% | 946,076 | 749,420 | 26.2% |
| EURO FX | 4,704,723 | 3,356,979 | 40.1% | 5,929,681 | -20.7% | 46,400,089 | 39,730,843 | 16.8% |
| E-MINI JAPANESE YEN | 10,351 | 18,458 | -43.9% | 17,909 | -42.2% | 298,545 | 326,031 | -8.4% |
| JAPANESE YEN | 3,425,372 | 2,343,157 | 46.2% | 4,610,244 | -25.7% | 34,994,572 | 29,547,656 | 18.4% |
| MEXICAN PESO | 1,170,600 | 1,092,613 | 7.1% | 1,546,883 | -24.3% | 10,680,584 | 11,570,610 | -7.7% |
| NEW ZEALND DOLLAR | 586,848 | 474,529 | 23.7% | 698,914 | -16.0% | 5,275,575 | 4,813,240 | 9.6% |
| NKR/USD CROSS RATE | 1,381 | 1,109 | 24.5% | 3,412 | -59.5% | 20,927 | 17,731 | 18.0% |
| RUSSIAN RUBLE | 23,648 | 22,024 | 7.4% | 77,829 | -69.6% | 503,562 | 366,053 | 37.6% |
| S.AFRICAN RAND | 46,108 | 21,359 | 115.9% | 86,751 | -46.9% | 562,201 | 178,584 | 214.8% |
| SWISS FRANC | 551,522 | 454,412 | 21.4% | 772,884 | -28.6% | 5,735,394 | 4,739,006 | 21.0% |
| AD/CD CROSS RATES | 73 | 4 | 1,725.0% | 220 | -66.8% | 838 | 54 | 1,451.9% |
| AD/JY CROSS RATES | 2,596 | 1,966 | 32.0% | 5,680 | -54.3% | 28,109 | 40,126 | -29.9% |
| AD/NE CROSS RATES | 130 | 9 | 1,344.4% | 39 | 233.3% | 1,043 | 721 | 44.7% |
| BP/JY CROSS RATES | 3,250 | 1,172 | 177.3% | 5,062 | -35.8% | 31,615 | 18,588 | 70.1% |
| BP/SF CROSS RATES | 40 | 65 | -38.5% | 85 | -52.9% | 737 | 431 | 71.0% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 502 | -100.0% | 1,490 | 11 | 13,445.5% |
| EC/AD CROSS RATES | 2,087 | 613 | 240.5% | 4,038 | -48.3% | 32,862 | 17,557 | 87.2% |
| EC/CD CROSS RATES | 4,143 | 1,727 | 139.9% | 9,081 | -54.4% | 45,976 | 25,375 | 81.2% |
| EC/NOK CROSS RATES | 724 | 0 | 0.0% | 521 | 39.0% | 2,130 | 9 | 23,566.7% |
| EC/SEK CROSS RATES | 888 | 108 | 722.2% | 2,343 | -62.1% | 7,641 | 2,618 | 191.9% |
| EFX/BP CROSS RATES | 62,095 | 72,858 | -14.8% | 172,702 | -64.0% | 796,134 | 801,525 | -0.7% |
| EFX/JY CROSS RATES | 53,955 | 24,603 | 119.3% | 116,238 | -53.6% | 698,075 | 428,029 | 63.1% |
| EFX/SF CROSS RATES | 23,291 | 48,807 | -52.3% | 56,735 | -58.9% | 384,218 | 388,964 | -1.2% |
| SF/JY CROSS RATES | 0 | 0 | - | 0 | 0.0% | 32 | 0 | - |
| SKR/USD CROSS RATES | 1,534 | 1,360 | 12.8% | 5,928 | -74.1% | 26,681 | 19,602 | 36.1% |
| HUNGARIAN FORINT (US) | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| POLISH ZLOTY (US) | 48 | 2,113 | -97.7% | 167 | -71.3% | 3,322 | 13,956 | -76.2% |
| POLISH ZLOTY (EC) | 7 | 32 | -78.1% | 10 | -30.0% | 388 | 19,822 | -98.0% |
| SHEKEL | 202 | 0 | 0.0% | 21 | 861.9% | 451 | 0 | 0.0% |
| RMB USD | 4 | 49 | -91.8% | 46 | -91.3% | 320 | 3,328 | -90.4% |
| KOREAN WON | 35 | 0 | 0.0% | 48 | -27.1% | 313 | 167 | 87.4% |
| TURKISH LIRA | 330 | 9 | 3,566.7% | 4,794 | -93.1% | 18,670 | 17 | 109,723.5% |
| TURKISH LIRA (EU) | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| E-MICRO EUR/USD | 230,858 | 210,672 | 9.6% | 279,760 | -17.5% | 2,542,085 | 2,744,721 | -7.4% |
| E-MICRO GBP/USD | 55,130 | 138,409 | -60.2% | 61,737 | -10.7% | 576,608 | 841,050 | -31.4% |
| E-MICRO USD/CAD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 22 | -100.0% |
| E-MICRO USD/CHF | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1 | -100.0% |
| E-MICRO USD/JPY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 4 | -100.0% |
| E-MICRO AUD/USD | 81,737 | 100,626 | -18.8% | 98,832 | -17.3% | 862,879 | 1,022,659 | -15.6% |
| MICRO CHF/USD | 1,096 | 1,626 | -32.6% | 1,038 | 5.6% | 9,670 | 18,793 | -48.5% |
| INDIAN RUPEE | 53,432 | 10,602 | 404.0% | 57,411 | -6.9% | 358,003 | 120,440 | 197.2% |
| E-MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 61 | -100.0% |
| E-MICRO CAD/USD | 19,073 | 22,946 | -16.9% | 35,050 | -45.6% | 205,166 | 211,628 | -3.1% |
| FCXRX | 0 | 3,018 | -100.0% | 0 | 0.0% | 6,243 | 4,313 | 44.7% |
| E-MICRO INR/USD | 2,412 | 1,921 | 25.6% | 2,863 | -15.8% | 25,681 | 20,903 | 22.9% |
| CHINESE RENMINBI (CNH) | 1,656 | 1,533 | 8.0% | 2,688 | -38.4% | 15,481 | 14,492 | 6.8% |
| E-MICRO JPY/USD | 30,264 | 20,655 | 46.5% | 31,763 | -4.7% | 389,702 | 287,372 | 35.6% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 6 | -100.0% |

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|----------------------|--------------------|--------------------|----------|--------------------|-----------|----------------------|----------------------|----------|
| FX Options | | | | | | | | |
| AUSTRALIAN DOLLAR | 0 | 91,821 | -100.0% | 0 | 0.0% | 212,674 | 1,347,800 | -84.2% |
| BRITISH POUND | 0 | 246,712 | -100.0% | 0 | 0.0% | 476,257 | 2,078,911 | -77.1% |
| CANADIAN DOLLAR | 0 | 80,728 | -100.0% | 0 | 0.0% | 190,922 | 1,362,115 | -86.0% |
| EURO FX | 0 | 439,816 | -100.0% | 0 | 0.0% | 1,319,366 | 6,660,145 | -80.2% |
| JAPANESE YEN | 0 | 209,778 | -100.0% | 0 | 0.0% | 576,337 | 3,056,788 | -81.1% |
| MEXICAN PESO | 13,802 | 8,394 | 64.4% | 120 | 11,401.7% | 35,042 | 37,835 | -7.4% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,373 | -100.0% |
| SWISS FRANC | 0 | 4,110 | -100.0% | 0 | 0.0% | 5,710 | 62,045 | -90.8% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 0.0% | 180 | 5,899 | -96.9% |
| EURO FX (EU) | 46 | 84 | -45.2% | 7 | 557.1% | 489 | 28,463 | -98.3% |
| SWISS FRANC (EU) | 0 | 0 | - | 0 | 0.0% | 15 | 0 | - |
| CANADIAN DOLLAR (EU) | 0 | 15 | -100.0% | 0 | 0.0% | 111 | 1,804 | -93.8% |
| BRITISH POUND (EU) | 1,605 | 69 | 2,226.1% | 881 | 82.2% | 4,251 | 9,151 | -53.5% |
| AUSTRALIAN DLR (EU) | 0 | 0 | 0.0% | 0 | 0.0% | 2 | 1,146 | -99.8% |
| CHF/USD PQO 2pm Fix | 12,157 | 1,418 | 757.3% | 2,829 | 329.7% | 34,721 | 2,457 | 1,313.1% |
| GBP/USD PQO 2pm Fix | 321,805 | 56,548 | 469.1% | 357,949 | -10.1% | 2,088,527 | 81,759 | 2,454.5% |
| AUD/USD PQO 2pm Fix | 126,396 | 24,941 | 406.8% | 150,542 | -16.0% | 1,135,972 | 39,417 | 2,781.9% |
| EUR/USD PQO 2pm Fix | 851,771 | 102,096 | 734.3% | 884,369 | -3.7% | 6,356,492 | 151,653 | 4,091.5% |
| JPY/USD PQO 2pm Fix | 259,998 | 37,031 | 602.1% | 371,660 | -30.0% | 2,656,051 | 67,516 | 3,834.0% |
| CAD/USD PQO 2pm Fix | 184,438 | 33,984 | 442.7% | 253,690 | -27.3% | 1,429,664 | 56,499 | 2,430.4% |
| CANADIAN DOLLAR VOL | 299 | 0 | - | 0 | - | 299 | 0 | - |
| EURO FX VOL | 886 | 0 | - | 0 | - | 886 | 0 | - |
| JAPANESE YEN VOL | 170 | 0 | - | 0 | - | 170 | 0 | - |
| OTC AUDUSD SUB | 137 | 0 | - | 0 | - | 137 | 0 | - |
| OTC GBPUSD SUB | 230 | 0 | - | 0 | - | 230 | 0 | - |
| OTC CADUSD SUB | 50 | 0 | - | 0 | - | 50 | 0 | - |

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|--|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| Commodities and Alternative Investments | | | | | | | | |
| Futures | | | | | | | | |
| LIVE CATTLE | 1,228,096 | 1,028,231 | 19.4% | 1,364,400 | -10.0% | 13,673,170 | 10,794,625 | 26.7% |
| FEEDER CATTLE | 328,842 | 251,274 | 30.9% | 319,319 | 3.0% | 3,018,833 | 2,145,588 | 40.7% |
| LEAN HOGS | 955,604 | 762,690 | 25.3% | 1,124,085 | -15.0% | 9,412,551 | 7,445,773 | 26.4% |
| LUMBER | 21,713 | 16,510 | 31.5% | 16,030 | 35.5% | 167,974 | 148,569 | 13.1% |
| MILK | 22,205 | 24,141 | -8.0% | 22,438 | -1.0% | 267,123 | 256,182 | 4.3% |
| MLK MID | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 6,943 | 5,432 | 27.8% | 4,848 | 43.2% | 51,130 | 47,952 | 6.6% |
| BUTTER CS | 3,636 | 5,265 | -30.9% | 3,673 | -1.0% | 32,435 | 33,540 | -3.3% |
| CLASS IV MILK | 509 | 1,898 | -73.2% | 542 | -6.1% | 9,707 | 11,304 | -14.1% |
| DRY WHEY | 1,068 | 1,820 | -41.3% | 1,254 | -14.8% | 17,313 | 12,366 | 40.0% |
| GSCI EXCESS RETURN FUT | 347 | 1,716 | -79.8% | 109,305 | -99.7% | 321,738 | 253,713 | 26.8% |
| GOLDMAN SACHS | 34,500 | 33,492 | 3.0% | 32,486 | 6.2% | 341,635 | 287,057 | 19.0% |
| HDD WEATHER | 300 | 1,025 | -70.7% | 200 | 50.0% | 1,450 | 1,903 | -23.8% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0.0% | 26,250 | 3,375 | 677.8% |
| HDD SEASONAL STRIP | 0 | 350 | -100.0% | 0 | 0.0% | 0 | 350 | -100.0% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 1,100 | 1,575 | -30.2% |
| HDD WEATHER EUROPEAN | 0 | 50 | -100.0% | 0 | 0.0% | 400 | 650 | -38.5% |
| CAT WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HDD EURO SEASONAL STRIP | 0 | 50 | -100.0% | 0 | 0.0% | 0 | 200 | -100.0% |
| CAT EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 250 | -100.0% |
| HOUSING INDEX | 9 | 14 | -35.7% | 22 | -59.1% | 131 | 93 | 40.9% |
| USD CRUDE PALM OIL | 2,040 | 1,160 | 75.9% | 0 | 0.0% | 3,544 | 2,480 | 42.9% |
| CASH-SETTLED CHEESE | 11,077 | 8,499 | 30.3% | 9,565 | 15.8% | 100,097 | 102,500 | -2.3% |
| S&P GSCI ENHANCED ER SWAP | 2,005 | 0 | 0.0% | 34,066 | -94.1% | 104,203 | 82,393 | 26.5% |
| PALM OIL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| MALAYSIAN PALM SWAP | 8,316 | 13,436 | -38.1% | 12,488 | -33.4% | 95,492 | 96,992 | -1.5% |
| Commodities and Alternative Investments | | | | | | | | |
| Options | | | | | | | | |
| LIVE CATTLE | 275,398 | 289,247 | -4.8% | 199,026 | 38.4% | 2,464,188 | 3,531,025 | -30.2% |
| FEEDER CATTLE | 38,271 | 37,956 | 0.8% | 35,762 | 7.0% | 349,783 | 351,835 | -0.6% |
| LEAN HOGS | 255,695 | 222,946 | 14.7% | 283,727 | -9.9% | 2,180,179 | 1,855,650 | 17.5% |
| LUMBER | 1,766 | 1,680 | 5.1% | 1,192 | 48.2% | 11,895 | 10,378 | 14.6% |
| MILK | 33,763 | 33,918 | -0.5% | 30,166 | 11.9% | 350,891 | 297,421 | 18.0% |
| MLK MID | 88 | 43 | 104.7% | 25 | 252.0% | 614 | 582 | 5.5% |
| NFD MILK | 7,047 | 3,403 | 107.1% | 3,582 | 96.7% | 43,500 | 32,246 | 34.9% |
| BUTTER CS | 2,793 | 1,295 | 115.7% | 3,408 | -18.0% | 17,670 | 12,387 | 42.6% |
| CLASS IV MILK | 1,860 | 1,091 | 70.5% | 1,481 | 25.6% | 17,440 | 10,922 | 59.7% |
| DRY WHEY | 1,459 | 121 | 1,105.8% | 318 | 358.8% | 5,278 | 957 | 451.5% |
| HDD WEATHER | 0 | 1,000 | -100.0% | 0 | 0.0% | 1,250 | 1,000 | 25.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0.0% | 47,000 | 1,000 | 4,600.0% |
| HDD SEASONAL STRIP | 1,000 | 13,500 | -92.6% | 3,000 | -66.7% | 11,500 | 18,500 | -37.8% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 2,800 | 29,250 | -90.4% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0.0% | 1,500 | 5,500 | -72.7% |
| CAT WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 2,500 | -100.0% |
| HOUSING INDEX | 0 | 0 | 0.0% | 7 | -100.0% | 42 | 18 | 133.3% |
| LV CATL CSO | 53 | 5 | 960.0% | 652 | -91.9% | 1,972 | 265 | 644.2% |
| CASH-SETTLED CHEESE | 17,891 | 10,448 | 71.2% | 16,648 | 7.5% | 90,061 | 75,669 | 19.0% |



CME Exchange Volume Report - Monthly

| | VOLUME OCT 2017 | VOLUME OCT 2016 | % CHG | VOLUME SEP 2017 | % CHG | VOLUME Y.T.D 2017 | VOLUME Y.T.D 2016 | % CHG |
|---------------------------------|--------------------|--------------------|-------|--------------------|--------|----------------------|----------------------|------------|
| Foreign Exchange Futures | | | | | | | | |
| CHILEAN PESO | 3,483 | 0 | 0.0% | 6,346 | -45.1% | 26,870 | 10 | 268,600.0% |

CME Exchange Volume Report - Monthly

| | VOLUME OCT 2017 | VOLUME OCT 2016 | % CHG | VOLUME SEP 2017 | % CHG | VOLUME Y.T.D 2017 | VOLUME Y.T.D 2016 | % CHG |
|------------------------------------|--------------------|--------------------|--------------|--------------------|---------------|----------------------|----------------------|--------------|
| TOTAL FUTURES GROUP | | | | | | | | |
| Interest Rate Futures | 52,216,015 | 42,366,245 | 23.2% | 54,733,853 | -4.6% | 543,465,622 | 508,356,300 | 6.9% |
| Equity Index Futures | 33,211,979 | 38,826,430 | -14.5% | 45,607,538 | -27.2% | 387,651,358 | 478,065,099 | -18.9% |
| FX Futures | 17,751,280 | 14,681,429 | 20.9% | 23,097,186 | -23.1% | 174,754,749 | 160,799,535 | 8.7% |
| Commodities and Alternative Invest | 2,627,210 | 2,157,053 | 21.8% | 3,054,721 | -14.0% | 27,646,276 | 21,729,430 | 27.2% |
| Foreign Exchange Futures | 3,483 | 0 | 0.0% | 6,346 | -45.1% | 26,870 | 10 | 268,600.0% |
| TOTAL FUTURES | 105,809,967 | 98,031,157 | 7.9% | 126,499,644 | -16.4% | 1,133,544,875 | 1,168,950,374 | -3.0% |
| TOTAL OPTIONS GROUP | | | | | | | | |
| Equity Index Options | 13,809,567 | 12,441,574 | 11.0% | 12,901,219 | 7.0% | 139,678,290 | 129,855,339 | 7.6% |
| Interest Rate Options | 33,221,144 | 17,452,560 | 90.4% | 27,854,776 | 19.3% | 292,481,988 | 244,252,480 | 19.7% |
| FX Options | 1,773,790 | 1,337,545 | 32.6% | 2,022,047 | -12.3% | 16,524,555 | 15,052,776 | 9.8% |
| Commodities and Alternative Invest | 637,084 | 616,653 | 3.3% | 578,994 | 10.0% | 5,597,563 | 6,237,105 | -10.3% |
| TOTAL OPTIONS | 49,441,585 | 31,848,332 | 55.2% | 43,357,036 | 14.0% | 454,282,396 | 395,397,700 | 14.9% |
| TOTAL COMBINED | | | | | | | | |
| Interest Rate | 85,437,159 | 59,818,805 | 42.8% | 82,588,629 | 3.4% | 835,947,610 | 752,608,780 | 11.1% |
| Equity Index | 47,021,546 | 51,268,004 | -8.3% | 58,508,757 | -19.6% | 527,329,648 | 607,920,438 | -13.3% |
| FX | 19,525,070 | 16,018,974 | 21.9% | 25,119,233 | -22.3% | 191,279,304 | 175,852,311 | 8.8% |
| Commodities and Alternative Invest | 3,264,294 | 2,773,706 | 17.7% | 3,633,715 | -10.2% | 33,243,839 | 27,966,535 | 18.9% |
| Foreign Exchange | 3,483 | 0 | 0.0% | 6,346 | -45.1% | 26,870 | 10 | 268,600.0% |
| GRAND TOTAL | 155,251,552 | 129,879,489 | 19.5% | 169,856,680 | -8.6% | 1,587,827,271 | 1,564,348,074 | 1.5% |