



CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|------------------------------|--------------------|--------------------|--------------|--------------------|----------|----------------------|----------------------|-----------|
| Interest Rate Futures | | | | | | | | |
| 10-YR NOTE | 29,998,845 | 25,504,260 | 17.6% | 33,426,305 | -10.3% | 255,486,354 | 256,342,549 | -0.3% |
| 10-YR SWAP RATE | 29,939 | 12,521 | 139.1% | 142,668 | -79.0% | 426,425 | 320,303 | 33.1% |
| 15-YR SWAP RATE | 0 | 0 | - | 0 | 0.0% | 5,500 | 0 | - |
| 1-MONTH EURODOLLAR | 1 | 1,124 | -99.9% | 35 | -97.1% | 187 | 31,566 | -99.4% |
| 20-YR SWAP RATE | 0 | 0 | - | 0 | 0.0% | 46 | 0 | - |
| 2-YR NOTE | 11,126,116 | 5,398,480 | 106.1% | 12,310,752 | -9.6% | 99,556,559 | 74,822,991 | 33.1% |
| 2-YR SWAP RATE | 58,543 | 0 | - | 91,216 | -35.8% | 349,315 | 0 | - |
| 30-YR BOND | 5,736,208 | 5,244,354 | 9.4% | 6,005,662 | -4.5% | 47,859,127 | 50,437,575 | -5.1% |
| 30-YR SWAP RATE | 383 | 0 | 0.0% | 1,199 | -68.1% | 5,110 | 983 | 419.8% |
| 3-YR SWAP RATE | 34,577 | 0 | - | 19,713 | 75.4% | 102,080 | 0 | - |
| 4-YR SWAP RATE | 5,368 | 0 | - | 14,944 | -64.1% | 80,845 | 0 | - |
| 5-YR NOTE | 18,801,436 | 14,187,027 | 32.5% | 21,318,978 | -11.8% | 168,544,875 | 157,894,581 | 6.7% |
| 5-YR SWAP RATE | 65,745 | 7,533 | 772.8% | 146,938 | -55.3% | 562,509 | 179,936 | 212.6% |
| 7-YR SWAP RATE | 4,070 | 0 | - | 9,255 | -56.0% | 35,412 | 0 | - |
| EURODOLLARS | 56,286,005 | 38,782,087 | 45.1% | 78,392,821 | -28.2% | 435,311,229 | 462,604,639 | -5.9% |
| FED FUND | 9,900,827 | 2,569,758 | 285.3% | 11,758,864 | -15.8% | 53,903,329 | 37,535,161 | 43.6% |
| SOFR | 816,688 | 71,874 | 1,036.3% | 558,943 | 46.1% | 4,344,610 | 138,016 | 3,047.9% |
| SONIA | 292,367 | 0 | - | 138,518 | 111.1% | 1,271,444 | 0 | - |
| Ultra 10-Year Note | 3,770,550 | 2,536,689 | 48.6% | 4,385,027 | -14.0% | 31,019,884 | 26,487,182 | 17.1% |
| ULTRA T-BOND | 2,517,562 | 2,244,671 | 12.2% | 2,924,509 | -13.9% | 26,443,783 | 24,810,644 | 6.6% |
| Interest Rate Options | | | | | | | | |
| 10-YR NOTE | 13,080,598 | 8,825,269 | 48.2% | 13,059,278 | 0.2% | 93,076,424 | 91,062,642 | 2.2% |
| 2-YR NOTE | 476,735 | 436,782 | 9.1% | 609,057 | -21.7% | 3,636,823 | 3,685,674 | -1.3% |
| 30-YR BOND | 2,533,864 | 2,120,595 | 19.5% | 2,601,237 | -2.6% | 19,108,005 | 17,947,488 | 6.5% |
| 5-YR NOTE | 5,026,421 | 1,954,783 | 157.1% | 5,517,393 | -8.9% | 33,412,962 | 23,371,965 | 43.0% |
| EURODOLLARS | 24,052,118 | 11,157,254 | 115.6% | 45,362,182 | -47.0% | 174,571,484 | 108,773,901 | 60.5% |
| EURO MIDCURVE | 9,542,577 | 8,115,333 | 17.6% | 18,216,376 | -47.6% | 104,410,900 | 110,288,667 | -5.3% |
| FED FUND | 18,709 | 1 | 1,870,800.0% | 1,000 | 1,770.9% | 20,161 | 17,018 | 18.5% |
| Ultra 10-Year Note | 510 | 0 | 0.0% | 1,330 | -61.7% | 17,456 | 28 | 62,242.9% |
| ULTRA T-BOND | 30,973 | 2,380 | 1,201.4% | 20,110 | 54.0% | 125,795 | 44,273 | 184.1% |

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|-----------------------------|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| Equity Index Futures | | | | | | | | |
| BITCOIN FUTURES | 152,898 | 129,423 | 18.1% | 167,362 | -8.6% | 1,094,120 | 471,409 | 132.1% |
| DJ US REAL ESTATE | 24,140 | 24,320 | -0.7% | 93,602 | -74.2% | 298,516 | 318,718 | -6.3% |
| E-mini (\$5) Dow | 3,566,286 | 3,310,768 | 7.7% | 4,224,505 | -15.6% | 30,514,503 | 34,909,488 | -12.6% |
| E-MINI COM SERVICES SELECT | 4,210 | 0 | - | 10,521 | -60.0% | 40,659 | 0 | - |
| E-mini FTSE 100 (USD) | 0 | 885 | -100.0% | 0 | 0.0% | 336 | 10,805 | -96.9% |
| E-mini FTSE China 50 | 0 | 715 | -100.0% | 13 | -100.0% | 711 | 8,184 | -91.3% |
| E-MINI MIDCAP | 276,230 | 268,791 | 2.8% | 431,823 | -36.0% | 2,332,555 | 2,732,835 | -14.6% |
| E-MINI NASDAQ 100 | 7,921,111 | 7,283,782 | 8.7% | 9,467,968 | -16.3% | 67,712,703 | 62,751,505 | 7.9% |
| E-MINI RUSSELL 1000 | 2,040 | 8,254 | -75.3% | 21,618 | -90.6% | 61,054 | 101,584 | -39.9% |
| E-MINI RUSSELL 1000 GROWTH | 866 | 7,508 | -88.5% | 12,775 | -93.2% | 38,990 | 80,033 | -51.3% |
| E-MINI RUSSELL 1000 VALUE | 2,758 | 10,764 | -74.4% | 19,758 | -86.0% | 102,331 | 105,695 | -3.2% |
| E-MINI RUSSELL 2000 | 2,463,654 | 2,251,965 | 9.4% | 3,663,923 | -32.8% | 20,614,832 | 19,766,839 | 4.3% |
| E-MINI S&P500 | 25,475,033 | 23,294,987 | 9.4% | 36,451,026 | -30.1% | 225,823,906 | 243,408,558 | -7.2% |
| E-MINI S&P REAL ESTATE SELE | 3,359 | 4,203 | -20.1% | 8,589 | -60.9% | 31,283 | 53,048 | -41.0% |
| FT-SE 100 | 0 | 1,010 | -100.0% | 0 | 0.0% | 372 | 9,141 | -95.9% |
| FTSE Emerging | 1,707 | 1,357 | 25.8% | 1,816 | -6.0% | 15,216 | 2,044 | 644.4% |
| IBOVESPA INDEX | 338 | 875 | -61.4% | 592 | -42.9% | 4,129 | 7,846 | -47.4% |
| MICRO E-MINI NASDAQ 100 | 4,362,562 | 0 | - | 3,029,064 | 44.0% | 10,385,973 | 0 | - |
| MICRO E-MINI RUSSELL 2000 | 640,308 | 0 | - | 375,630 | 70.5% | 1,559,195 | 0 | - |
| MICRO E-MINI S&P500 | 4,563,369 | 0 | - | 4,529,623 | 0.7% | 13,911,414 | 0 | - |
| MICRO MINI \$5 DOW | 1,066,878 | 0 | - | 800,243 | 33.3% | 2,810,187 | 0 | - |
| NASDAQ BIOTECH | 357 | 0 | 0.0% | 468 | -23.7% | 2,213 | 5,448 | -59.4% |
| NIFTY 50 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 54,444 | -100.0% |
| NIKKEI 225 (\$) STOCK | 151,817 | 182,851 | -17.0% | 269,391 | -43.6% | 1,497,388 | 2,318,077 | -35.4% |
| NIKKEI 225 (YEN) STOCK | 711,869 | 597,189 | 19.2% | 894,089 | -20.4% | 5,322,862 | 6,310,987 | -15.7% |
| S&P 500 | 55,726 | 98,813 | -43.6% | 124,123 | -55.1% | 687,150 | 1,005,093 | -31.6% |
| S&P 500 ANNUAL DIVIDEND IND | 20,551 | 6,114 | 236.1% | 28,113 | -26.9% | 167,072 | 88,294 | 89.2% |
| S&P 500/GI | 0 | 0 | 0.0% | 20 | -100.0% | 40 | 52 | -23.1% |
| S&P 500 QUARLY DIVIDEND IND | 60 | 0 | 0.0% | 0 | 0.0% | 581 | 462 | 25.8% |
| S&P 600 SMALLCAP EMINI | 403 | 0 | - | 538 | -25.1% | 941 | 0 | - |
| S&P CONSUMER DSCRTNRY SE | 2,709 | 8,658 | -68.7% | 13,285 | -79.6% | 63,523 | 125,437 | -49.4% |
| S&P CONSUMER STAPLES SECT | 11,140 | 20,041 | -44.4% | 40,432 | -72.4% | 144,014 | 169,001 | -14.8% |
| S&P ENERGY SECTOR | 7,766 | 13,856 | -44.0% | 26,238 | -70.4% | 128,677 | 229,892 | -44.0% |
| S&P FINANCIAL SECTOR | 21,972 | 35,706 | -38.5% | 59,325 | -63.0% | 233,611 | 343,894 | -32.1% |
| S&P HEALTH CARE SECTOR | 10,794 | 10,808 | -0.1% | 29,628 | -63.6% | 129,680 | 107,085 | 21.1% |
| S&P INDUSTRIAL SECTOR | 4,938 | 13,890 | -64.4% | 13,436 | -63.2% | 89,440 | 99,716 | -10.3% |
| S&P MATERIALS SECTOR | 3,704 | 5,943 | -37.7% | 12,815 | -71.1% | 75,433 | 71,580 | 5.4% |
| S&P TECHNOLOGY SECTOR | 4,693 | 18,603 | -74.8% | 24,169 | -80.6% | 107,713 | 178,977 | -39.8% |
| S&P UTILITIES SECTOR | 11,919 | 23,063 | -48.3% | 50,320 | -76.3% | 215,308 | 265,594 | -18.9% |
| S&P VALUE INDEX FUTURES | 0 | 0 | 0.0% | 24 | -100.0% | 48 | 56 | -14.3% |
| YEN DENOMINATED TOPIX | 21,790 | 772 | 2,722.5% | 20,455 | 6.5% | 125,089 | 3,046 | 4,006.7% |

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|------------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| Equity Index Options | | | | | | | | |
| E-mini (\$5) Dow | 2,115 | 6,268 | -66.3% | 2,984 | -29.1% | 28,601 | 72,415 | -60.5% |
| E-MINI NASDAQ 100 | 176,875 | 239,308 | -26.1% | 206,567 | -14.4% | 1,415,682 | 1,721,777 | -17.8% |
| E-MINI RUSSELL 2000 | 5,966 | 5,047 | 18.2% | 18,126 | -67.1% | 84,172 | 88,292 | -4.7% |
| E-MINI S&P500 | 3,785,568 | 3,094,419 | 22.3% | 5,602,616 | -32.4% | 33,400,697 | 40,402,583 | -17.3% |
| EOM E-MINI RUSSELL 2000 END | 7,325 | 2,192 | 234.2% | 10,668 | -31.3% | 58,803 | 40,136 | 46.5% |
| EOM EMINI S&P | 1,517,529 | 1,705,110 | -11.0% | 1,823,441 | -16.8% | 12,700,448 | 18,018,857 | -29.5% |
| EOM S&P 500 | 112,461 | 92,853 | 21.1% | 147,140 | -23.6% | 901,372 | 1,363,420 | -33.9% |
| EOW1 E-MINI RUSSELL 2000 WE | 2,605 | 1,129 | 130.7% | 1,405 | 85.4% | 11,466 | 15,815 | -27.5% |
| EOW1 E-MINI RUSSELL 2000 WE | 2,442 | 1,255 | 94.6% | 3,209 | -23.9% | 12,896 | 21,069 | -38.8% |
| EOW1 EMINI S&P 500 | 1,015,468 | 980,746 | 3.5% | 1,302,038 | -22.0% | 6,688,563 | 7,699,880 | -13.1% |
| EOW1 S&P 500 | 83,394 | 160,174 | -47.9% | 100,809 | -17.3% | 467,487 | 573,380 | -18.5% |
| EOW2 E-MINI RUSSELL 2000 WE | 12,979 | 2,910 | 346.0% | 4,674 | 177.7% | 35,293 | 37,937 | -7.0% |
| EOW2 EMINI S&P 500 | 795,872 | 942,931 | -15.6% | 980,451 | -18.8% | 6,826,925 | 9,157,210 | -25.4% |
| EOW2 S&P 500 | 121,425 | 191,158 | -36.5% | 62,579 | 94.0% | 860,226 | 1,091,597 | -21.2% |
| EOW3 E-MINI RUSSELL 2000 WE | 15,101 | 11,561 | 30.6% | 8,496 | 77.7% | 77,300 | 156,566 | -50.6% |
| EOW3 EMINI S&P 500 | 2,424,780 | 3,047,988 | -20.4% | 1,526,011 | 58.9% | 15,980,504 | 26,351,524 | -39.4% |
| EOW3 S&P 500 | 166,252 | 212,829 | -21.9% | 91,449 | 81.8% | 942,464 | 2,211,946 | -57.4% |
| EOW4 E-MINI RUSSELL 2000 WE | 3,798 | 2,323 | 63.5% | 261 | 1,355.2% | 21,339 | 42,729 | -50.1% |
| EOW4 EMINI S&P 500 | 703,668 | 979,691 | -28.2% | 46,586 | 1,410.5% | 5,552,341 | 8,504,677 | -34.7% |
| S&P 500 | 143,603 | 171,663 | -16.3% | 299,314 | -52.0% | 1,572,959 | 2,131,621 | -26.2% |
| Metals Futures | | | | | | | | |
| ALUMINUM | 15,989 | 8,986 | 77.9% | 2,843 | 462.4% | 75,147 | 106,616 | -29.5% |
| COMEX COPPER | 1,875,657 | 2,833,195 | -33.8% | 2,257,064 | -16.9% | 14,664,083 | 20,379,267 | -28.0% |
| COMEX E-Mini GOLD | 31,114 | 11,516 | 170.2% | 24,735 | 25.8% | 99,382 | 52,196 | 90.4% |
| COMEX E-Mini SILVER | 4,349 | 1,123 | 287.3% | 5,520 | -21.2% | 26,372 | 8,566 | 207.9% |
| COMEX GOLD | 9,490,344 | 7,231,169 | 31.2% | 7,308,583 | 29.9% | 46,005,859 | 51,578,290 | -10.8% |
| COMEX MINY COPPER | 703 | 360 | 95.3% | 1,022 | -31.2% | 4,612 | 3,540 | 30.3% |
| COMEX SILVER | 2,086,973 | 1,582,406 | 31.9% | 2,651,220 | -21.3% | 12,863,116 | 14,581,337 | -11.8% |
| COPPER | 127 | 0 | 0.0% | 95 | 33.7% | 5,871 | 10,639 | -44.8% |
| E-MICRO GOLD | 608,677 | 126,651 | 380.6% | 491,048 | 24.0% | 2,077,415 | 906,697 | 129.1% |
| FERROUS PRODUCTS | 668 | 744 | -10.2% | 1,317 | -49.3% | 8,335 | 11,199 | -25.6% |
| GOLD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| Gold Kilo | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 136 | -100.0% |
| IRON ORE 62 CHINA PLATTS FU | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| IRON ORE 62 CHINA TSI FUTURE | 3,835 | 4,842 | -20.8% | 3,755 | 2.1% | 42,624 | 27,371 | 55.7% |
| LNDN ZINC | 0 | 1,538 | -100.0% | 36 | -100.0% | 1,230 | 2,831 | -56.6% |
| NYMEX HOT ROLLED STEEL | 13,715 | 10,861 | 26.3% | 14,031 | -2.3% | 125,338 | 66,810 | 87.6% |
| NYMEX PLATINUM | 444,188 | 393,517 | 12.9% | 593,552 | -25.2% | 3,230,943 | 3,215,712 | 0.5% |
| PALLADIUM | 79,652 | 98,611 | -19.2% | 74,368 | 7.1% | 748,201 | 829,235 | -9.8% |
| SILVER | 23,306 | 6,645 | 250.7% | 18,580 | 25.4% | 118,812 | 51,187 | 132.1% |
| URANIUM | 300 | 521 | -42.4% | 1,234 | -75.7% | 9,384 | 1,964 | 377.8% |

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| Metals Options | | | | | | | | |
| COMEX COPPER | 49,537 | 35,140 | 41.0% | 66,693 | -25.7% | 423,353 | 171,877 | 146.3% |
| COMEX GOLD | 1,546,529 | 926,919 | 66.8% | 2,102,415 | -26.4% | 8,396,124 | 6,701,998 | 25.3% |
| COMEX SILVER | 249,760 | 143,979 | 73.5% | 186,487 | 33.9% | 1,050,412 | 1,068,168 | -1.7% |
| COPPER | 131 | 140 | -6.4% | 140 | -6.4% | 775 | 188 | 312.2% |
| GOLD | 181,468 | 49,655 | 265.5% | 195,012 | -6.9% | 793,964 | 271,211 | 192.7% |
| HOT ROLLED COIL STEEL CALL | 300 | 0 | 0.0% | 0 | 0.0% | 900 | 0 | 0.0% |
| IRON ORE 62 CHINA TSI CALL O | 0 | 0 | 0.0% | 0 | 0.0% | 6,660 | 200 | 3,230.0% |
| IRON ORE 62 CHINA TSI PUT OP | 0 | 0 | 0.0% | 0 | 0.0% | 3,600 | 1,280 | 181.3% |
| NYMEX PLATINUM | 1,149 | 6,756 | -83.0% | 4,719 | -75.7% | 25,067 | 28,366 | -11.6% |
| PALLADIUM | 469 | 2,055 | -77.2% | 1,712 | -72.6% | 8,804 | 21,222 | -58.5% |
| SILVER | 5,695 | 3,501 | 62.7% | 6,791 | -16.1% | 31,107 | 9,843 | 216.0% |
| Energy Futures | | | | | | | | |
| 3.5% FUEL OIL CID MED SWA | 3 | 0 | 0.0% | 5 | -40.0% | 81 | 452 | -82.1% |
| 3.5% FUEL OIL CIF BALMO S | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 95 | -78.9% |
| AEP-DAYTON HUB DAILY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| AEP-DAYTON HUB MTHLY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| AEP-DAYTON HUB OFF-PEAK M | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ALGON CITY GATES NAT GAS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ALGONQUIN CITYGATES BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ANR LOUISIANA BASIS SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ANR OKLAHOMA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ARGUS LLS VS. WTI (ARG) T | 2,505 | 11,970 | -79.1% | 5,900 | -57.5% | 72,746 | 172,101 | -57.7% |
| ARGUS PROPAN FAR EST INDE | 5,444 | 3,918 | 38.9% | 5,678 | -4.1% | 42,981 | 40,301 | 6.6% |
| ARGUS PROPAN(SAUDI ARAMC | 2,522 | 2,024 | 24.6% | 1,995 | 26.4% | 19,904 | 17,151 | 16.1% |
| AUSTRIALIAN COKE COAL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 20 | -100.0% |
| BRENT BALMO SWAP | 50 | 135 | -63.0% | 200 | -75.0% | 963 | 185 | 420.5% |
| BRENT CALENDAR SWAP | 12,224 | 1,669 | 632.4% | 12,231 | -0.1% | 48,284 | 24,992 | 93.2% |
| BRENT CFD SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 300 | -100.0% |
| BRENT FINANCIAL FUTURES | 237 | 127 | 86.6% | 0 | 0.0% | 7,319 | 13,615 | -46.2% |
| BRENT OIL LAST DAY | 2,007,392 | 1,651,027 | 21.6% | 2,503,878 | -19.8% | 15,120,711 | 12,850,241 | 17.7% |
| CAISO SP15 EZGNHUB5 MW P | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CAISO SP15 EZGNHUB5 PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CANADIAN LIGHT SWEET OIL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CENTERPOINT BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 36 | -100.0% |
| CHICAGO ETHANOL SWAP | 96,231 | 66,953 | 43.7% | 96,843 | -0.6% | 749,514 | 692,236 | 8.3% |
| CHICAGO ULSD (PLATTS) SWA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CHICAGO ULSD PL VS HO SPR | 365 | 550 | -33.6% | 672 | -45.7% | 4,214 | 2,534 | 66.3% |
| CHICAGO UNL GAS PL VS RBO | 245 | 125 | 96.0% | 200 | 22.5% | 1,120 | 750 | 49.3% |
| CIG BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 196 | -100.0% |
| CIG ROCKIES NG INDEX SWA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CINERGY HUB OFF-PEAK MONT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CINERGY HUB PEAK MONTH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW D AH O PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW D AH PK | 688 | 1,216 | -43.4% | 442 | 55.7% | 3,870 | 8,796 | -56.0% |
| CIN HUB 5MW REAL TIME O P | 0 | 0 | 0.0% | 0 | 0.0% | 3,920 | 0 | 0.0% |
| CIN HUB 5MW REAL TIME PK | 0 | 230 | -100.0% | 0 | 0.0% | 325 | 230 | 41.3% |
| COAL SWAP | 0 | 30 | -100.0% | 0 | 0.0% | 0 | 450 | -100.0% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|------------------------------|--------------------|--------------------|----------|--------------------|----------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| COLUMB GULF MAINLINE NG B | 0 | 0 | 0.0% | 0 | 0.0% | 364 | 0 | 0.0% |
| COLUMBIA GULF ONSHORE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CONWAY NATURAL GASOLINE (| 50 | 89 | -43.8% | 75 | -33.3% | 1,233 | 1,314 | -6.2% |
| CONWAY NORMAL BUTANE (OPI | 335 | 209 | 60.3% | 1,003 | -66.6% | 2,796 | 2,426 | 15.3% |
| CONWAY PROPANE 5 DECIMALS | 13,696 | 13,364 | 2.5% | 21,126 | -35.2% | 108,694 | 110,930 | -2.0% |
| CRUDE OIL | 2,100 | 9,950 | -78.9% | 2,400 | -12.5% | 36,519 | 49,094 | -25.6% |
| CRUDE OIL OUTRIGHTS | 66,144 | 43,226 | 53.0% | 53,945 | 22.6% | 464,894 | 443,974 | 4.7% |
| CRUDE OIL PHY | 22,838,170 | 23,056,226 | -0.9% | 23,448,254 | -2.6% | 175,044,870 | 190,852,685 | -8.3% |
| CRUDE OIL SPRDS | 29,995 | 29,726 | 0.9% | 22,810 | 31.5% | 167,000 | 345,571 | -51.7% |
| CRUDE OIL TRADE AT MARKER | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DATED BRENT (PLATTS) DAILY S | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| DATED TO FRONTLINE BRENT | 0 | 85 | -100.0% | 0 | 0.0% | 1,000 | 3,135 | -68.1% |
| DIESEL 10P BRG FOB RDM VS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 5 | -100.0% |
| DIESEL 10PPM BARGES FOB B | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| DOMINION TRAN INC - APP I | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DOMINION TRANSMISSION INC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 126 | -100.0% |
| DUBAI CRUDE OIL BALMO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 125 | -100.0% |
| DUBAI CRUDE OIL CALENDAR | 490 | 2,075 | -76.4% | 1,175 | -58.3% | 17,538 | 14,027 | 25.0% |
| DUTCH TTF NATURAL GAS CAL | 17,365 | 482 | 3,502.7% | 4,217 | 311.8% | 59,242 | 7,180 | 725.1% |
| DY EURO 3.5% FUEL OI RDA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| EASTERN RAIL DELIVERY CSX | 0 | 15 | -100.0% | 0 | 0.0% | 0 | 245 | -100.0% |
| EAST/WEST FUEL OIL SPREAD | 10 | 30 | -66.7% | 10 | 0.0% | 20 | 187 | -89.3% |
| EIA FLAT TAX ONHWAY DIESE | 389 | 31 | 1,154.8% | 686 | -43.3% | 2,642 | 1,480 | 78.5% |
| ELEC ERCOT DLY OFF PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC ERCOT DLY PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC ERCOT OFF PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 19,600 | -100.0% |
| ELEC FINSETTLED | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC MISO PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC NYISO OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELECTRICITY ERCOT PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ELECTRICITY OFF PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC WEST POWER OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ELEC WEST POWER PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ERCOT DAILY 5MW PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ERCOT HOUSTON Z MCPE 5MW | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,950 | -100.0% |
| ERCOT NORTH ZMCPE 5MW OF | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ERCOT NORTH ZMCPE 5MW OF | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 19,600 | -100.0% |
| ERCOT NORTH ZMCPE 5MW PE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 5,050 | -100.0% |
| ETHANOL | 5,391 | 6,682 | -19.3% | 6,965 | -22.6% | 61,699 | 63,140 | -2.3% |
| ETHANOL SWAP | 10 | 120 | -91.7% | 0 | 0.0% | 530 | 250 | 112.0% |
| ETHANOL T2 FOB ROTT INCL DU | 1,879 | 2,339 | -19.7% | 2,207 | -14.9% | 23,478 | 20,610 | 13.9% |
| EURO 1% FUEL OIL NEW BALM | 0 | 0 | 0.0% | 0 | 0.0% | 3 | 23 | -87.0% |
| EURO 3.5% FUEL OIL RDAM B | 72 | 701 | -89.7% | 6 | 1,100.0% | 291 | 4,710 | -93.8% |
| EURO 3.5% FUEL OIL SPREAD | 12 | 17 | -29.4% | 15 | -20.0% | 147 | 709 | -79.3% |
| EURO-DENOMINATED PETRO P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO GASOIL 10PPM VS ICE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 370 | -100.0% |
| EUROPE 1% FUEL OIL NWE CA | 0 | 48 | -100.0% | 6 | -100.0% | 450 | 366 | 23.0% |
| EUROPE 1% FUEL OIL RDAM C | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 3 | -100.0% |
| EUROPE 3.5% FUEL OIL MED | 14 | 2 | 600.0% | 5 | 180.0% | 367 | 673 | -45.5% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|---------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| EUROPE 3.5% FUEL OIL RDAM | 380 | 7,697 | -95.1% | 604 | -37.1% | 7,273 | 64,334 | -88.7% |
| EUROPEAN GASOIL (ICE) | 100 | 318 | -68.6% | 156 | -35.9% | 732 | 3,317 | -77.9% |
| EUROPEAN NAPHTHA BALMO | 181 | 410 | -55.9% | 159 | 13.8% | 1,335 | 2,012 | -33.6% |
| EUROPEAN NAPHTHA CRACK SP | 2,124 | 7,925 | -73.2% | 4,300 | -50.6% | 32,224 | 63,590 | -49.3% |
| EUROPE DATED BRENT SWAP | 0 | 0 | 0.0% | 575 | -100.0% | 1,633 | 0 | 0.0% |
| EUROPE JET KERO NWE CALSW | 0 | 6 | -100.0% | 0 | 0.0% | 5 | 21 | -76.2% |
| EUROPE NAPHTHA CALSWAP | 1,682 | 4,080 | -58.8% | 1,246 | 35.0% | 14,884 | 23,529 | -36.7% |
| EURO PROPANE CIF ARA SWA | 1,703 | 1,189 | 43.2% | 1,921 | -11.3% | 13,839 | 12,517 | 10.6% |
| FLORIDA GAS ZONE3 BASIS S | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| FREIGHT MARKETS | 1,266 | 537 | 135.8% | 1,235 | 2.5% | 6,693 | 3,533 | 89.4% |
| FUEL OIL CRACK VS ICE | 1,214 | 2,312 | -47.5% | 1,100 | 10.4% | 11,168 | 30,447 | -63.3% |
| FUEL OIL NWE CRACK VS ICE | 0 | 0 | 0.0% | 0 | 0.0% | 15 | 171 | -91.2% |
| FUEL OIL (PLATS) CAR CM | 0 | 0 | 0.0% | 6 | -100.0% | 6 | 154 | -96.1% |
| FUEL OIL (PLATS) CAR CN | 0 | 48 | -100.0% | 0 | 0.0% | 0 | 120 | -100.0% |
| FUELOIL SWAP:CARGOES VS.B | 36 | 203 | -82.3% | 184 | -80.4% | 1,416 | 1,713 | -17.3% |
| GAS EURO-BOB OXY NWE BARG | 2,902 | 7,209 | -59.7% | 4,428 | -34.5% | 42,837 | 55,668 | -23.0% |
| GAS EURO-BOB OXY NWE BARG | 5,279 | 13,153 | -59.9% | 7,358 | -28.3% | 63,065 | 139,577 | -54.8% |
| GASOIL 0.1 CIF MED SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOIL 0.1CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 10 | -100.0% |
| GASOIL 0.1 CIF NWE VS ISE | 0 | 0 | 0.0% | 0 | 0.0% | 10 | 0 | 0.0% |
| GASOIL 0.1 CIF VS ICE GAS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOIL 0.1 RDAM BRGS VS I | 0 | 0 | 0.0% | 6 | -100.0% | 21 | 5 | 320.0% |
| GASOIL 0.1 ROTTERDAM BARG | 0 | 95 | -100.0% | 0 | 0.0% | 103 | 1,255 | -91.8% |
| GASOIL 10P CRG CIF NW VS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOIL 10PPM VS ICE SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 39 | 12 | 225.0% |
| GASOIL BULLET SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOIL CALENDAR SWAP | 12 | 0 | 0.0% | 12 | 0.0% | 90 | 48 | 87.5% |
| GASOIL CRACK SPREAD CALEN | 960 | 1,524 | -37.0% | 3,272 | -70.7% | 4,994 | 32,720 | -84.7% |
| GASOIL MINI CALENDAR SWAP | 427 | 384 | 11.2% | 266 | 60.5% | 1,698 | 1,270 | 33.7% |
| GERMAN POWER BASELOAD CA | 5,143 | 0 | 0.0% | 867 | 493.2% | 17,435 | 2,076 | 739.8% |
| GROUP THREE ULSD (PLATTS) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 185 | -100.0% |
| GROUP THREE UNLEAD GAS (P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 425 | -100.0% |
| GRP THREE ULSD(PLT)VS HEA | 4,648 | 2,060 | 125.6% | 2,901 | 60.2% | 24,995 | 24,838 | 0.6% |
| GRP THREE UNL GS (PLT) VS | 1,810 | 2,160 | -16.2% | 1,100 | 64.5% | 19,817 | 13,792 | 43.7% |
| GULF COAST 3% FUEL OIL BA | 809 | 1,846 | -56.2% | 389 | 108.0% | 4,938 | 10,485 | -52.9% |
| GULF COAST JET FUEL CLNDR | 0 | 60 | -100.0% | 0 | 0.0% | 267 | 915 | -70.8% |
| GULF COAST JET VS NYM 2 H | 20,360 | 27,628 | -26.3% | 24,016 | -15.2% | 152,410 | 271,668 | -43.9% |
| GULF COAST NO.6 FUEL OIL | 18,474 | 48,500 | -61.9% | 19,230 | -3.9% | 166,955 | 440,344 | -62.1% |
| GULF COAST ULSD CALENDAR | 277 | 98 | 182.7% | 752 | -63.2% | 2,842 | 1,810 | 57.0% |
| GULF COAST ULSD CRACK SPR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,295 | -100.0% |
| HEATING OIL BALMO CLNDR S | 40 | 0 | 0.0% | 480 | -91.7% | 565 | 223 | 153.4% |
| HEATING OIL CRCK SPRD BAL | 0 | 0 | - | 0 | 0.0% | 18 | 0 | - |
| HEATING OIL PHY | 3,082,273 | 3,326,215 | -7.3% | 3,370,846 | -8.6% | 23,317,576 | 27,549,815 | -15.4% |
| HENRY HUB BASIS SWAP | 1,178 | 0 | 0.0% | 1,860 | -36.7% | 12,426 | 7,432 | 67.2% |
| HENRY HUB FINANCIAL LAST | 0 | 4,044 | -100.0% | 0 | 0.0% | 0 | 18,823 | -100.0% |
| HENRY HUB INDEX SWAP FUTU | 1,178 | 0 | 0.0% | 1,860 | -36.7% | 12,426 | 7,432 | 67.2% |
| HENRY HUB SWAP | 74,882 | 202,461 | -63.0% | 97,368 | -23.1% | 779,286 | 1,212,075 | -35.7% |
| HOUSTON SHIP CHANNEL BASI | 0 | 0 | 0.0% | 0 | 0.0% | 736 | 0 | 0.0% |
| HTG OIL | 48 | 36 | 33.3% | 0 | 0.0% | 96 | 84 | 14.3% |
| HUSTN SHIP CHNL PIPE SWP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |

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|-------------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| ICE BRENT DUBAI SWAP | 4,276 | 7,850 | -45.5% | 8,880 | -51.8% | 39,114 | 71,498 | -45.3% |
| ICE GASOIL BALMO SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| IN DELIVERY MONTH EUA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| INDIANA MISO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| INDONESIAN COAL | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| INDONESIAN COAL ICI4 | 550 | 240 | 129.2% | 235 | 134.0% | 2,760 | 775 | 256.1% |
| ISO NEW ENGLAND OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ISO NEW ENGLAND PK LMP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN C&F NAPHTHA CRACK S | 0 | 0 | 0.0% | 0 | 0.0% | 169 | 1,689 | -90.0% |
| JAPAN C&F NAPHTHA SWAP | 824 | 2,037 | -59.5% | 759 | 8.6% | 8,683 | 14,993 | -42.1% |
| JAPAN NAPHTHA BALMO SWAP | 10 | 185 | -94.6% | 3 | 233.3% | 289 | 401 | -27.9% |
| JET AV FUEL (P) CAR FM ICE GA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 5 | -100.0% |
| JET CIF NWE VS ICE | 0 | 138 | -100.0% | 0 | 0.0% | 70 | 630 | -88.9% |
| JET FUEL BRG FOB RDM VS I | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JET FUEL CRG CIF NEW VS I | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JET FUEL UP-DOWN BALMO CL | 4,915 | 3,420 | 43.7% | 5,064 | -2.9% | 31,313 | 42,257 | -25.9% |
| JKM LNG Futures | 1,760 | 2,065 | -14.8% | 240 | 633.3% | 10,976 | 7,010 | 56.6% |
| LA CARB DIESEL (OPIS) | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| LA CARB DIESEL (OPIS) SWA | 0 | 775 | -100.0% | 30 | -100.0% | 325 | 2,525 | -87.1% |
| LA CARBOB GASOLINE(OPIS)S | 375 | 150 | 150.0% | 300 | 25.0% | 2,675 | 4,075 | -34.4% |
| LA JET FUEL VS NYM NO 2 H | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| LA JET (OPIS) SWAP | 1,425 | 1,115 | 27.8% | 1,510 | -5.6% | 9,305 | 16,255 | -42.8% |
| LLS (ARGUS) CALENDAR SWAP | 0 | 0 | - | 0 | 0.0% | 0 | 0 | - |
| LLS (ARGUS) VS WTI SWAP | 1,080 | 2,530 | -57.3% | 760 | 42.1% | 16,539 | 44,420 | -62.8% |
| LOS ANGELES CARB GASOLINE | 10 | 0 | - | 0 | 0.0% | 10 | 0 | - |
| LTD NAT GAS | 272,857 | 264,029 | 3.3% | 341,493 | -20.1% | 2,198,437 | 2,388,977 | -8.0% |
| MARS (ARGUS) VS WTI SWAP | 1,440 | 150 | 860.0% | 1,615 | -10.8% | 12,820 | 18,700 | -31.4% |
| MARS (ARGUS) VS WTI TRD M | 12,197 | 6,165 | 97.8% | 18,752 | -35.0% | 131,584 | 171,635 | -23.3% |
| MARS BLEND CRUDE OIL | 0 | 200 | -100.0% | 0 | 0.0% | 0 | 2,319 | -100.0% |
| MCCLOSKEY ARA ARGS COAL | 35,161 | 21,320 | 64.9% | 35,682 | -1.5% | 210,554 | 174,028 | 21.0% |
| MCCLOSKEY RCH BAY COAL | 2,312 | 3,013 | -23.3% | 2,678 | -13.7% | 17,264 | 23,877 | -27.7% |
| MGF FUT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 130 | -100.0% |
| MGN1 SWAP FUT | 10 | 30 | -66.7% | 120 | -91.7% | 360 | 533 | -32.5% |
| MICHIGAN BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| MICHIGAN MISO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| MINI GAS EUROBOB OXY NWE A | 114 | 552 | -79.3% | 223 | -48.9% | 1,344 | 2,686 | -50.0% |
| MINI RBOB V. EBOBARG NWE BF | 0 | 851 | -100.0% | 560 | -100.0% | 3,500 | 2,660 | 31.6% |
| MINI RBOB V. EBOB(ARGUS) NW | 2,042 | 1,614 | 26.5% | 2,381 | -14.2% | 16,882 | 11,459 | 47.3% |
| MINY HTG OIL | 3 | 4 | -25.0% | 3 | 0.0% | 23 | 22 | 4.5% |
| MINY NATURAL GAS | 33,478 | 18,460 | 81.4% | 27,384 | 22.3% | 191,184 | 186,022 | 2.8% |
| MINY RBOB GAS | 6 | 4 | 50.0% | 7 | -14.3% | 43 | 23 | 87.0% |
| MINY WTI CRUDE OIL | 550,243 | 403,151 | 36.5% | 590,831 | -6.9% | 3,208,632 | 2,380,009 | 34.8% |
| MJC FUT | 0 | 50 | -100.0% | 0 | 0.0% | 150 | 1,245 | -88.0% |
| MNC FUT | 3,232 | 3,792 | -14.8% | 3,904 | -17.2% | 28,633 | 26,217 | 9.2% |
| MONT BELVIEU ETHANE 5 DECI | 20,907 | 11,511 | 81.6% | 18,473 | 13.2% | 105,280 | 105,489 | -0.2% |
| MONT BELVIEU ETHANE OPIS B | 155 | 300 | -48.3% | 225 | -31.1% | 1,219 | 1,160 | 5.1% |
| MONT BELVIEU LDH PROPANE 5 | 162,351 | 93,989 | 72.7% | 150,673 | 7.8% | 1,012,471 | 852,220 | 18.8% |
| MONT BELVIEU LDH PROPANE C | 1,653 | 2,472 | -33.1% | 3,520 | -53.0% | 22,071 | 20,626 | 7.0% |
| MONT BELVIEU NATURAL GASO | 9,154 | 4,528 | 102.2% | 6,807 | 34.5% | 56,835 | 58,803 | -3.3% |
| MONT BELVIEU NATURAL GASO | 865 | 215 | 302.3% | 935 | -7.5% | 4,724 | 2,844 | 66.1% |

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|----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| MONT BELVIEU NORMAL BUTAN | 51,174 | 39,530 | 29.5% | 55,341 | -7.5% | 314,011 | 225,797 | 39.1% |
| MONT BELVIEU NORMAL BUTAN | 1,010 | 2,284 | -55.8% | 514 | 96.5% | 9,144 | 7,496 | 22.0% |
| NAT GAS BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS | 100,821 | 74,845 | 34.7% | 116,365 | -13.4% | 766,379 | 818,659 | -6.4% |
| NATURAL GAS FIXED PRICE SW | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NATURAL GAS INDEX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NATURAL GAS PEN SWP | 21,025 | 21,360 | -1.6% | 33,703 | -37.6% | 202,598 | 249,706 | -18.9% |
| NATURAL GAS PHY | 9,037,161 | 7,091,612 | 27.4% | 8,344,210 | 8.3% | 53,948,956 | 61,682,996 | -12.5% |
| NEPOOL CNCTCT 5MW D AH O | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL CONECTIC 5MW D AH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL INTR HUB 5MW D AH | 0 | 0 | 0.0% | 0 | 0.0% | 16,560 | 83,896 | -80.3% |
| NEPOOL NE MASS 5MW D AH O | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL NE MASS 5MW D AH P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL RHD ISLD 5MW D AH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL RHODE IL 5MW D AH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL W CNT MASS 5MW D A | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL W CNTR M 5MW D AH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW ENGLAND HUB PEAK DAIL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK ETHANOL SWAP | 925 | 450 | 105.6% | 1,077 | -14.1% | 5,449 | 9,636 | -43.5% |
| NEW YORK HUB ZONE G PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK HUB ZONE J PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL MID-CONTINENT | 0 | 0 | 0.0% | 0 | 0.0% | 1,240 | 400 | 210.0% |
| NGPL TEX/OK | 0 | 0 | 0.0% | 0 | 0.0% | 2,576 | 22,836 | -88.7% |
| N ILLINOIS HUB DAILY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| N ILLINOIS HUB MTHLY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NO 2 UP-DOWN SPREAD CALEN | 0 | 95 | -100.0% | 0 | 0.0% | 675 | 2,158 | -68.7% |
| NORTHEN NATURAL GAS DEMA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NORTHEN NATURAL GAS VENTL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 100 | -100.0% |
| NORTHERN ILLINOIS OFF-PEA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NORTHWEST ROCKIES BASIS S | 0 | 0 | 0.0% | 0 | 0.0% | 3,106 | 0 | 0.0% |
| N ROCKIES PIPE SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NY1% VS GC SPREAD SWAP | 488 | 1,918 | -74.6% | 180 | 171.1% | 3,143 | 12,558 | -75.0% |
| NY 2.2% FUEL OIL (PLATTS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NY 3.0% FUEL OIL (PLATTS | 0 | 200 | -100.0% | 0 | 0.0% | 775 | 1,200 | -35.4% |
| NY HARBOR 1% FUEL OIL BAL | 25 | 0 | 0.0% | 0 | 0.0% | 25 | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 498 | 1,999 | -75.1% | 2,357 | -78.9% | 15,479 | 10,415 | 48.6% |
| NY HARBOR LOW SULPUR GAS | 0 | 0 | 0.0% | 0 | 0.0% | 390 | 2,695 | -85.5% |
| NY HARBOR RESIDUAL FUEL 1 | 502 | 887 | -43.4% | 427 | 17.6% | 5,485 | 8,175 | -32.9% |
| NY HARBOR RESIDUAL FUEL C | 0 | 0 | - | 0 | 0.0% | 0 | 0 | - |
| NYH NO 2 CRACK SPREAD CAL | 0 | 360 | -100.0% | 630 | -100.0% | 2,235 | 7,307 | -69.4% |
| NYISO A | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO A OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO CAPACITY | 0 | 154 | -100.0% | 0 | 0.0% | 300 | 926 | -67.6% |
| NYISO G | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO G OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO J | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO J OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE A 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE A 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE C 5MW D AH O P | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| NYISO ZONE C 5MW D AH PK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO ZONE G 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0.0% | 46,384 | 578,534 | -92.0% |
| NYISO ZONE G 5MW D AH PK | 6,375 | 0 | 0.0% | 0 | 0.0% | 8,174 | 18,284 | -55.3% |
| NYISO ZONE J 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE J 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX ALUMINUM FUTURES | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX ULSD VS NYMEX HO | 0 | 0 | 0.0% | 0 | 0.0% | 1,450 | 0 | 0.0% |
| NY ULSD (ARGUS) VS HEATING | 77 | 79 | -2.5% | 177 | -56.5% | 1,495 | 213 | 601.9% |
| ONEOK OKLAHOMA NG BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | 0 | 0 | 0.0% | 0 | 0.0% | 100 | 10 | 900.0% |
| PANHANDLE BASIS SWAP FUTU | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 275 | -100.0% |
| PANHANDLE PIPE SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PERMIAN BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | 2,905 | 3,486 | -16.7% | 3,543 | -18.0% | 23,003 | 34,837 | -34.0% |
| PETRO CRCKS & SPRDS ASIA | 21 | 10 | 110.0% | 75 | -72.0% | 282 | 609 | -53.7% |
| PETRO CRCKS & SPRDS NA | 30,498 | 31,680 | -3.7% | 36,221 | -15.8% | 277,665 | 319,758 | -13.2% |
| PETRO CRK&SPRD EURO | 2,585 | 8,265 | -68.7% | 1,815 | 42.4% | 23,951 | 65,850 | -63.6% |
| PETROLEUM PRODUCTS | 1,244 | 4,068 | -69.4% | 2,094 | -40.6% | 20,337 | 32,392 | -37.2% |
| PETROLEUM PRODUCTS ASIA | 1,731 | 1,458 | 18.7% | 1,548 | 11.8% | 11,814 | 14,453 | -18.3% |
| PETRO OUTRIGHT EURO | 3,434 | 2,922 | 17.5% | 3,455 | -0.6% | 27,212 | 34,878 | -22.0% |
| PETRO OUTRIGHT NA | 7,017 | 6,467 | 8.5% | 5,878 | 19.4% | 45,057 | 49,907 | -9.7% |
| PJM AD HUB 5MW REAL TIME | 0 | 5,140 | -100.0% | 23,700 | -100.0% | 119,740 | 40,685 | 194.3% |
| PJM AECO DA OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM AECO DA PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM APS ZONE DA OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM APS ZONE DA PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM ATSI ELEC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM BGE DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM BGE DA PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM COMED 5MW D AH O PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM COMED 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAILY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM JCPL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM JCPL DA PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM MONTHLY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NI HUB 5MW REAL TIME | 0 | 0 | 0.0% | 0 | 0.0% | 24,645 | 5,100 | 383.2% |
| PJM NILL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NILL DA PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 22 | -100.0% |
| PJM OFF-PEAK LMP SWAP FUT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PECO ZONE5MW PEAK CAL | 0 | 0 | - | 0 | 0.0% | 0 | 0 | - |
| PJM PPL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM PPL DA PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM PSEG DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 78,410 | -100.0% |
| PJM WESTHDA PEAK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 4,250 | -100.0% |
| PJM WESTH RT OFF-PEAK | 0 | 0 | 0.0% | 23,700 | -100.0% | 47,100 | 294,000 | -84.0% |
| PJM WESTH RT PEAK | 514 | 3,830 | -86.6% | 6,656 | -92.3% | 47,090 | 43,179 | 9.1% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|-----------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| PLASTICS | 620 | 90 | 588.9% | 435 | 42.5% | 5,180 | 2,544 | 103.6% |
| PREMIUM UNLD 10P FOB MED | 33 | 326 | -89.9% | 30 | 10.0% | 773 | 1,859 | -58.4% |
| PREMIUM UNLEAD 10PPM FOB | 15 | 31 | -51.6% | 0 | 0.0% | 33 | 355 | -90.7% |
| PREM UNL GAS 10PPM RDAM F | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 80 | -75.0% |
| PREM UNL GAS 10PPM RDAM F | 0 | 6 | -100.0% | 0 | 0.0% | 30 | 70 | -57.1% |
| PROPANE NON-LDH MB (OPIS) B | 1,343 | 510 | 163.3% | 1,482 | -9.4% | 11,074 | 3,691 | 200.0% |
| PROBANE NON-LDH MT. BEL (OF | 30,094 | 8,600 | 249.9% | 16,233 | 85.4% | 134,764 | 81,132 | 66.1% |
| RBOB CALENDAR SWAP | 4,083 | 10,131 | -59.7% | 5,671 | -28.0% | 44,169 | 39,992 | 10.4% |
| RBOB CRACK SPREAD | 560 | 960 | -41.7% | 1,520 | -63.2% | 8,725 | 9,153 | -4.7% |
| RBOB CRACK SPREAD BALMO S | 0 | 0 | 0.0% | 0 | 0.0% | 25 | 0 | 0.0% |
| RBOB GAS | 12 | 36 | -66.7% | 0 | 0.0% | 72 | 14,374 | -99.5% |
| RBOB GASOLINE BALMO CLNDR | 821 | 374 | 119.5% | 1,117 | -26.5% | 7,044 | 8,167 | -13.8% |
| RBOB PHY | 4,235,311 | 3,959,402 | 7.0% | 4,270,153 | -0.8% | 31,220,335 | 28,869,247 | 8.1% |
| RBOB SPREAD (PLATTS) SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB VS HEATING OIL SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 75 | 1,975 | -96.2% |
| SAN JUAN BASIS SWAP | 0 | 27 | -100.0% | 0 | 0.0% | 0 | 58 | -100.0% |
| SAN JUAN PIPE SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 360 | -100.0% |
| SINGAPORE 180CST BALMO | 15 | 55 | -72.7% | 5 | 200.0% | 93 | 390 | -76.2% |
| SINGAPORE 380CST BALMO | 343 | 323 | 6.2% | 26 | 1,219.2% | 593 | 1,526 | -61.1% |
| SINGAPORE 380CST FUEL OIL | 2,649 | 7,996 | -66.9% | 3,293 | -19.6% | 21,903 | 61,763 | -64.5% |
| SINGAPORE FUEL 180CST CAL | 267 | 812 | -67.1% | 253 | 5.5% | 2,047 | 6,654 | -69.2% |
| SINGAPORE FUEL OIL SPREAD | 75 | 140 | -46.4% | 87 | -13.8% | 435 | 5,451 | -92.0% |
| SINGAPORE GASOIL | 7,124 | 4,743 | 50.2% | 5,339 | 33.4% | 39,415 | 38,707 | 1.8% |
| SINGAPORE GASOIL CALENDAR | 527 | 0 | 0.0% | 105 | 401.9% | 1,495 | 5,024 | -70.2% |
| SINGAPORE GASOIL SWAP | 908 | 2,400 | -62.2% | 1,109 | -18.1% | 7,496 | 29,103 | -74.2% |
| SINGAPORE GASOIL VS ICE | 150 | 8,381 | -98.2% | 0 | 0.0% | 4,490 | 101,441 | -95.6% |
| SINGAPORE JET KERO BALMO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 215 | -100.0% |
| SINGAPORE JET KERO GASOIL | 0 | 4,000 | -100.0% | 0 | 0.0% | 100 | 28,845 | -99.7% |
| SINGAPORE JET KEROSENE SW | 425 | 75 | 466.7% | 880 | -51.7% | 4,290 | 7,065 | -39.3% |
| SINGAPORE JET KERO VS. GAS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 25 | -100.0% |
| SINGAPORE MOGAS 92 UNLEAD | 50 | 620 | -91.9% | 50 | 0.0% | 1,475 | 3,183 | -53.7% |
| SINGAPORE MOGAS 92 UNLEAD | 5,867 | 11,300 | -48.1% | 4,892 | 19.9% | 81,691 | 101,540 | -19.5% |
| SINGAPORE NAPHTHA SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 200 | -100.0% |
| SING FUEL | 0 | 15 | -100.0% | 0 | 0.0% | 0 | 95 | -100.0% |
| SOCAL PIPE SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SONAT BASIS SWAP FUTURE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SOUTH STAR TEX OKLHM KNS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| Sumas Basis Swap | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 91 | -100.0% |
| SUMAS NAT GAS PLATTS FIXED | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TC2 ROTTERDAM TO USAC 37K | 546 | 0 | 0.0% | 314 | 73.9% | 1,970 | 548 | 259.5% |
| TC5 RAS TANURA TO YOKOHAM | 530 | 0 | 0.0% | 206 | 157.3% | 2,481 | 240 | 933.8% |
| TCO BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TCO NG INDEX SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TD3 MEG TO JAPAN 250K MT | 6,760 | 1,650 | 309.7% | 6,260 | 8.0% | 34,981 | 6,620 | 428.4% |
| TENNESSEE 500 LEG BASIS S | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TENNESSEE 800 LEG NG BASI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TENNESSEE ZONE 0 BASIS SW | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TETCO M-3 INDEX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| Tetco STX Basis | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TEXAS EASTERN ZONE M-3 BA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |

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|-----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| TEXAS GAS ZONE1 NG BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| Transco Zone 3 Basis | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 3 NG INDEX S | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TRANSCO ZONE4 BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 4 NAT GAS IN | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| TRANSCO ZONE 6 BASIS SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 6 INDEX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| UCM FUT | 0 | 10 | -100.0% | 0 | 0.0% | 20 | 60 | -66.7% |
| UK NBP NAT GAS CAL MTH FUT | 150 | 6,342 | -97.6% | 0 | 0.0% | 3,299 | 39,376 | -91.6% |
| ULSD 10PPM CIF MED SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ULSD 10PPM CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 14 | -100.0% |
| ULSD 10PPM CIF NW BALMO S | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ULSD UP-DOWN BALMO SWP | 5,070 | 4,080 | 24.3% | 4,600 | 10.2% | 37,615 | 35,525 | 5.9% |
| UP DOWN GC ULSD VS NMX HO | 27,797 | 24,917 | 11.6% | 32,158 | -13.6% | 201,791 | 220,657 | -8.5% |
| WAHA BASIS | 0 | 0 | 0.0% | 0 | 0.0% | 650 | 3,201 | -79.7% |
| WAHA INDEX SWAP FUTURE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| WESTERN RAIL DELIVERY PRB | 0 | 10 | -100.0% | 0 | 0.0% | 0 | 25 | -100.0% |
| WTI-BRENT BULLET SWAP | 550 | 0 | 0.0% | 0 | 0.0% | 1,414 | 6,650 | -78.7% |
| WTI-BRENT CALENDAR SWAP | 36,248 | 24,687 | 46.8% | 38,949 | -6.9% | 256,227 | 236,514 | 8.3% |
| WTI CALENDAR | 36,849 | 23,613 | 56.1% | 28,367 | 29.9% | 297,566 | 228,619 | 30.2% |
| WTS (ARGUS) VS WTI SWAP | 3,750 | 6,662 | -43.7% | 4,090 | -8.3% | 34,672 | 54,919 | -36.9% |
| WTS (ARGUS) VS WTI TRD MT | 0 | 1,620 | -100.0% | 175 | -100.0% | 4,933 | 3,570 | 38.2% |
| Energy Options | | | | | | | | |
| 12 MO GASOIL CAL SWAP SPR | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| BRENT 1 MONTH CAL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 3,000 | -100.0% |
| BRENT CALENDAR SWAP | 0 | 440 | -100.0% | 690 | -100.0% | 3,030 | 4,745 | -36.1% |
| BRENT CRUDE OIL 12 M CSO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 2,000 | -100.0% |
| BRENT CRUDE OIL 1 M CSO | 2,540 | 2,800 | -9.3% | 1,500 | 69.3% | 35,190 | 374,338 | -90.6% |
| BRENT CRUDE OIL 6 M CSO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,000 | -100.0% |
| BRENT OIL LAST DAY | 99,398 | 250,068 | -60.3% | 129,122 | -23.0% | 1,001,828 | 1,170,426 | -14.4% |
| COAL API2 INDEX | 200 | 1,105 | -81.9% | 25 | 700.0% | 870 | 8,210 | -89.4% |
| COAL API4 INDEX | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 85 | -100.0% |
| COAL SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL | 0 | 0 | - | 0 | 0.0% | 150 | 0 | - |
| CRUDE OIL 1MO | 250,925 | 240,900 | 4.2% | 91,750 | 173.5% | 1,652,336 | 1,603,010 | 3.1% |
| CRUDE OIL APO | 36,148 | 13,742 | 163.0% | 47,657 | -24.1% | 345,189 | 339,765 | 1.6% |
| CRUDE OIL CALNDR STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 200 | 170 | 17.6% |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 0 | 0.0% | 960 | 0 | 0.0% |
| CRUDE OIL PHY | 2,581,059 | 3,101,000 | -16.8% | 3,359,893 | -23.2% | 19,329,015 | 25,737,351 | -24.9% |
| ELEC MISO PEAK | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ETHANOL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 425 | -100.0% |
| ETHANOL SWAP | 15,793 | 3,590 | 339.9% | 9,778 | 61.5% | 69,168 | 56,698 | 22.0% |
| EUROPEAN JET KEROSENE NW | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOLINE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HEATING OIL CRACK OPTIONS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HEATING OIL CRK SPD AVG PRI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HEATING OIL PHY | 25,783 | 28,198 | -8.6% | 38,505 | -33.0% | 205,198 | 216,459 | -5.2% |
| HENRY HUB FINANCIAL LAST | 4,100 | 6,477 | -36.7% | 2,701 | 51.8% | 46,023 | 27,248 | 68.9% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|----------------------------|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| Energy Options | | | | | | | | |
| HO 1 MONTH CLNDR OPTIONS | 0 | 0 | 0.0% | 0 | 0.0% | 2,150 | 0 | 0.0% |
| LLS CRUDE OIL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 100 | -100.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 0 | 0.0% | 130 | 255 | -49.0% |
| MCCLOSKEY RCH BAY COAL | 200 | 30 | 566.7% | 300 | -33.3% | 870 | 1,905 | -54.3% |
| NATURAL GAS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NATURAL GAS 1 M CSO FIN | 82,050 | 18,037 | 354.9% | 13,300 | 516.9% | 289,325 | 255,682 | 13.2% |
| NATURAL GAS 2 M CSO FIN | 1,250 | 200 | 525.0% | 550 | 127.3% | 3,625 | 1,200 | 202.1% |
| NATURAL GAS 3 M CSO FIN | 34,650 | 3,150 | 1,000.0% | 38,650 | -10.3% | 119,000 | 38,046 | 212.8% |
| NATURAL GAS 5 M CSO FIN | 0 | 0 | 0.0% | 850 | -100.0% | 1,100 | 2,550 | -56.9% |
| NATURAL GAS 6 M CSO FIN | 1,800 | 1,600 | 12.5% | 1,250 | 44.0% | 35,525 | 69,250 | -48.7% |
| NATURAL GAS OPTION ON CALE | 6,260 | 1,800 | 247.8% | 800 | 682.5% | 15,360 | 21,308 | -27.9% |
| NATURAL GAS PHY | 1,668,703 | 1,327,809 | 25.7% | 1,631,070 | 2.3% | 10,916,969 | 13,497,801 | -19.1% |
| NATURAL GAS WINTER STRIP | 0 | 0 | - | 0 | 0.0% | 1,300 | 0 | - |
| N ROCKIES PIPE SWAP | 960 | 112 | 757.1% | 546 | 75.8% | 3,078 | 1,072 | 187.1% |
| NY HARBOR HEAT OIL SWP | 462 | 1,001 | -53.8% | 3,457 | -86.6% | 15,484 | 18,188 | -14.9% |
| NYISO ZONE G 5MW PEAK OPTI | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX EUROPEAN GASOIL APO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PANHANDLE PIPE SWAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | 38 | 2,375 | -98.4% | 2,711 | -98.6% | 5,013 | 7,091 | -29.3% |
| PETRO OUTRIGHT EURO | 0 | 0 | 0.0% | 0 | 0.0% | 24 | 0 | 0.0% |
| PETRO OUTRIGHT NA | 120 | 0 | 0.0% | 120 | 0.0% | 240 | 0 | 0.0% |
| PJM WES HUB PEAK CAL MTH | 100 | 0 | 0.0% | 380 | -73.7% | 640 | 1,190 | -46.2% |
| PJM WES HUB PEAK LMP 50MW | 0 | 92 | -100.0% | 0 | 0.0% | 836 | 6,414 | -87.0% |
| RBOB 1MO CAL SPD OPTIONS | 0 | 0 | 0.0% | 0 | 0.0% | 150 | 700 | -78.6% |
| RBOB CALENDAR SWAP | 120 | 0 | 0.0% | 24 | 400.0% | 381 | 965 | -60.5% |
| RBOB CRACK | 0 | 0 | - | 0 | 0.0% | 0 | 0 | - |
| RBOB PHY | 12,200 | 8,850 | 37.9% | 17,365 | -29.7% | 116,405 | 83,612 | 39.2% |
| ROTTERDAM 3.5%FUEL OIL CL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SAN JUAN PIPE SWAP | 604 | 336 | 79.8% | 364 | 65.9% | 1,878 | 1,758 | 6.8% |
| SHORT TERM | 1,000 | 475 | 110.5% | 300 | 233.3% | 3,143 | 6,375 | -50.7% |
| SHORT TERM NATURAL GAS | 1,400 | 2,209 | -36.6% | 655 | 113.7% | 6,684 | 17,751 | -62.3% |
| SINGAPORE GASOIL CALENDAR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET FUEL CALEND | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SOCAL PIPE SWAP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 29,500 | 35,065 | -15.9% | 34,650 | -14.9% | 346,080 | 719,767 | -51.9% |
| WTI CRUDE OIL 1 M CSO FI | 20,030 | 53,550 | -62.6% | 55,550 | -63.9% | 385,295 | 548,600 | -29.8% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| FX Futures | | | | | | | | |
| AD/CD CROSS RATES | 5 | 1 | 400.0% | 2 | 150.0% | 109 | 47 | 131.9% |
| AD/JY CROSS RATES | 1,763 | 5,323 | -66.9% | 3,685 | -52.2% | 21,546 | 29,268 | -26.4% |
| AD/NE CROSS RATES | 235 | 93 | 152.7% | 130 | 80.8% | 743 | 545 | 36.3% |
| AUSTRALIAN DOLLAR | 1,876,317 | 1,974,660 | -5.0% | 2,542,722 | -26.2% | 15,064,804 | 16,639,903 | -9.5% |
| BDI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| BP/JY CROSS RATES | 3,354 | 2,483 | 35.1% | 4,190 | -20.0% | 18,905 | 23,369 | -19.1% |
| BP/SF CROSS RATES | 847 | 485 | 74.6% | 430 | 97.0% | 3,301 | 2,454 | 34.5% |
| BRAZIL REAL | 118,241 | 118,842 | -0.5% | 148,499 | -20.4% | 967,719 | 979,664 | -1.2% |
| BRITISH POUND | 2,081,929 | 2,501,382 | -16.8% | 2,398,644 | -13.2% | 16,641,630 | 19,310,417 | -13.8% |
| CANADIAN DOLLAR | 1,391,572 | 1,410,302 | -1.3% | 1,939,319 | -28.2% | 11,253,253 | 12,492,539 | -9.9% |
| CD/JY CROSS RATES | 6 | 4 | 50.0% | 0 | 0.0% | 125 | 982 | -87.3% |
| CHINESE RENMINBI (CNH) | 26,940 | 2,968 | 807.7% | 28,773 | -6.4% | 182,559 | 17,634 | 935.3% |
| CZECK KORUNA (EC) | 0 | 2 | -100.0% | 8 | -100.0% | 18 | 2 | 800.0% |
| CZECK KORUNA (US) | 0 | 30 | -100.0% | 0 | 0.0% | 0 | 30 | -100.0% |
| EC/AD CROSS RATES | 3,490 | 1,112 | 213.8% | 12,354 | -71.8% | 37,297 | 13,682 | 172.6% |
| EC/CD CROSS RATES | 1,594 | 1,040 | 53.3% | 7,512 | -78.8% | 21,846 | 26,864 | -18.7% |
| EC/NOK CROSS RATES | 370 | 308 | 20.1% | 1,404 | -73.6% | 4,176 | 2,487 | 67.9% |
| EC/SEK CROSS RATES | 409 | 307 | 33.2% | 1,998 | -79.5% | 5,604 | 5,854 | -4.3% |
| EFX/BP CROSS RATES | 79,851 | 57,803 | 38.1% | 131,241 | -39.2% | 653,272 | 596,806 | 9.5% |
| EFX/JY CROSS RATES | 41,025 | 40,121 | 2.3% | 115,361 | -64.4% | 459,757 | 616,775 | -25.5% |
| EFX/SF CROSS RATES | 27,760 | 16,230 | 71.0% | 59,072 | -53.0% | 241,706 | 202,831 | 19.2% |
| E-MICRO AUD/USD | 97,827 | 99,245 | -1.4% | 84,530 | 15.7% | 793,267 | 696,844 | 13.8% |
| E-MICRO CAD/USD | 17,664 | 14,260 | 23.9% | 19,231 | -8.1% | 118,740 | 126,909 | -6.4% |
| E-MICRO CHF/USD | 4,292 | 1,326 | 223.7% | 2,720 | 57.8% | 15,981 | 9,586 | 66.7% |
| E-MICRO EUR/USD | 224,416 | 245,637 | -8.6% | 259,691 | -13.6% | 1,739,886 | 2,709,618 | -35.8% |
| E-MICRO GBP/USD | 40,880 | 33,767 | 21.1% | 31,001 | 31.9% | 296,782 | 345,853 | -14.2% |
| E-MICRO INR/USD | 5,860 | 4,270 | 37.2% | 3,555 | 64.8% | 33,567 | 28,820 | 16.5% |
| E-MICRO JPY/USD | 25,014 | 25,224 | -0.8% | 27,801 | -10.0% | 193,091 | 224,531 | -14.0% |
| E-MINI EURO FX | 84,190 | 69,563 | 21.0% | 144,623 | -41.8% | 686,923 | 742,583 | -7.5% |
| E-MINI JAPANESE YEN | 24,133 | 15,262 | 58.1% | 9,904 | 143.7% | 87,249 | 96,216 | -9.3% |
| EURO FX | 3,785,651 | 4,527,203 | -16.4% | 5,625,929 | -32.7% | 30,192,788 | 41,159,979 | -26.6% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 18 | -100.0% |
| HUNGARIAN FORINT (US) | 0 | 31 | -100.0% | 0 | 0.0% | 8 | 31 | -74.2% |
| INDIAN RUPEE | 58,879 | 65,210 | -9.7% | 61,878 | -4.8% | 473,600 | 621,977 | -23.9% |
| JAPANESE YEN | 2,168,419 | 2,775,896 | -21.9% | 3,162,448 | -31.4% | 18,267,136 | 22,234,207 | -17.8% |
| KOREAN WON | 383 | 876 | -56.3% | 1,564 | -75.5% | 4,960 | 2,695 | 84.0% |
| MEXICAN PESO | 871,362 | 1,262,480 | -31.0% | 1,644,283 | -47.0% | 8,992,531 | 10,015,385 | -10.2% |
| NEW ZEALND DOLLAR | 498,466 | 530,296 | -6.0% | 728,710 | -31.6% | 4,091,966 | 4,615,340 | -11.3% |
| NKR/USD CROSS RATE | 4,721 | 3,467 | 36.2% | 10,261 | -54.0% | 34,928 | 31,304 | 11.6% |
| POLISH ZLOTY (EC) | 11 | 9 | 22.2% | 4 | 175.0% | 455 | 84 | 441.7% |
| POLISH ZLOTY (US) | 122 | 30 | 306.7% | 181 | -32.6% | 864 | 672 | 28.6% |
| RMB USD | 0 | 1 | -100.0% | 0 | 0.0% | 5 | 18 | -72.2% |
| RUSSIAN RUBLE | 51,093 | 23,265 | 119.6% | 181,268 | -71.8% | 553,669 | 421,531 | 31.3% |
| S.AFRICAN RAND | 57,916 | 37,744 | 53.4% | 65,721 | -11.9% | 324,053 | 318,638 | 1.7% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 0.0% | 7 | 192 | -96.4% |
| SHEKEL | 0 | 24 | -100.0% | 0 | 0.0% | 0 | 2,560 | -100.0% |
| SKR/USD CROSS RATES | 2,400 | 2,976 | -19.4% | 6,292 | -61.9% | 23,323 | 30,974 | -24.7% |
| SWISS FRANC | 463,577 | 502,682 | -7.8% | 809,649 | -42.7% | 3,813,477 | 4,218,723 | -9.6% |
| TURKISH LIRA | 141 | 878 | -83.9% | 3,724 | -96.2% | 8,071 | 33,670 | -76.0% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 5 | 300.0% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|---------------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| FX Options | | | | | | | | |
| AUD/USD PQO 2pm Fix | 70,727 | 103,056 | -31.4% | 83,833 | -15.6% | 687,267 | 913,219 | -24.7% |
| AUSTRALIAN DLR (EU) | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| BRAZIL REAL | 23 | 0 | - | 2 | 1,050.0% | 79 | 0 | - |
| BRITISH POUND | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| BRITISH POUND (EU) | 0 | 13 | -100.0% | 0 | 0.0% | 0 | 254 | -100.0% |
| CAD/USD PQO 2pm Fix | 68,218 | 123,613 | -44.8% | 100,517 | -32.1% | 706,738 | 1,187,072 | -40.5% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CANADIAN DOLLAR (EU) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 63 | -100.0% |
| CHF/USD PQO 2pm Fix | 2,605 | 3,551 | -26.6% | 4,557 | -42.8% | 20,514 | 22,221 | -7.7% |
| EFX/BP CROSS RATES | 0 | 0 | - | 0 | 0.0% | 74 | 0 | - |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 2,870 | -100.0% |
| EURO FX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| EURO FX (EU) | 0 | 5 | -100.0% | 0 | 0.0% | 0 | 36 | -100.0% |
| EUR/USD PQO 2pm Fix | 557,977 | 525,777 | 6.1% | 545,813 | 2.2% | 3,806,462 | 5,546,853 | -31.4% |
| GBP/USD PQO 2pm Fix | 144,911 | 225,923 | -35.9% | 86,371 | 67.8% | 1,203,916 | 1,718,603 | -29.9% |
| JAPANESE YEN | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| JPY/USD PQO 2pm Fix | 165,234 | 281,740 | -41.4% | 205,378 | -19.5% | 1,440,088 | 1,893,114 | -23.9% |
| MEXICAN PESO | 1,195 | 2,312 | -48.3% | 2,488 | -52.0% | 11,335 | 15,882 | -28.6% |
| NEW ZEALND DOLLAR | 523 | 0 | - | 136 | 284.6% | 3,112 | 0 | - |
| SWISS FRANC | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SWISS FRANC (EU) | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| Ags Futures | | | | | | | | |
| FERTILIZER PRODUCS | 2,810 | 725 | 287.6% | 1,855 | 51.5% | 11,765 | 7,460 | 57.7% |
| Foreign Exchange Futures | | | | | | | | |
| CHILEAN PESO | 0 | 593 | -100.0% | 0 | 0.0% | 410 | 13,841 | -97.0% |
| Foreign Exchange Options | | | | | | | | |
| AUD/USD PQO 2pm Fix | 553 | 239 | 131.4% | 380 | 45.5% | 5,939 | 5,144 | 15.5% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|-----------------------------|--------------------|--------------------|--------|--------------------|----------|----------------------|----------------------|----------|
| Ag Products Futures | | | | | | | | |
| BUTTER CS | 5,701 | 3,497 | 63.0% | 3,136 | 81.8% | 28,183 | 30,814 | -8.5% |
| CASH-SETTLED CHEESE | 12,981 | 10,596 | 22.5% | 9,806 | 32.4% | 80,874 | 71,331 | 13.4% |
| CATTLE | 1,321,550 | 1,476,877 | -10.5% | 1,132,693 | 16.7% | 10,231,678 | 9,816,025 | 4.2% |
| CAT WEATHER EUROPEAN | 0 | 0 | - | 0 | 0.0% | 3,200 | 0 | - |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 450 | 600 | -25.0% |
| CDD WEATHER | 1,600 | 0 | 0.0% | 150 | 966.7% | 8,775 | 2,150 | 308.1% |
| CHI WHEAT | 2,271,562 | 2,990,517 | -24.0% | 3,497,935 | -35.1% | 19,658,637 | 23,576,494 | -16.6% |
| CLASS IV MILK | 1,360 | 577 | 135.7% | 1,957 | -30.5% | 17,112 | 4,213 | 306.2% |
| COCOA TAS | 0 | 0 | 0.0% | 8 | -100.0% | 8 | 5 | 60.0% |
| COFFEE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CORN | 8,041,443 | 6,613,260 | 21.6% | 13,195,067 | -39.1% | 69,368,986 | 62,561,105 | 10.9% |
| COTTON | 14 | 0 | 0.0% | 6 | 133.3% | 29 | 2 | 1,350.0% |
| DJ_UBS ROLL SELECT INDEX FU | 452 | 333 | 35.7% | 3,604 | -87.5% | 7,944 | 10,829 | -26.6% |
| DOW-UBS COMMOD INDEX | 25,015 | 58,160 | -57.0% | 120,834 | -79.3% | 347,096 | 598,218 | -42.0% |
| DRY WHEY | 908 | 1,055 | -13.9% | 1,180 | -23.1% | 9,241 | 8,927 | 3.5% |
| FEEDER CATTLE | 305,091 | 338,063 | -9.8% | 278,936 | 9.4% | 2,183,530 | 2,073,824 | 5.3% |
| FERTILIZER PRODUCTS | 850 | 1,620 | -47.5% | 2,050 | -58.5% | 13,225 | 15,785 | -16.2% |
| GOLDMAN SACHS | 27,483 | 31,561 | -12.9% | 27,823 | -1.2% | 200,900 | 223,240 | -10.0% |
| GSCI EXCESS RETURN FUT | 380 | 825 | -53.9% | 89,953 | -99.6% | 218,552 | 240,310 | -9.1% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0.0% | 2,100 | 505 | 315.8% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0.0% | 3,000 | 0 | 0.0% |
| HOGS | 1,570,486 | 1,250,892 | 25.5% | 1,417,134 | 10.8% | 9,587,317 | 7,840,876 | 22.3% |
| HOUSING INDEX | 10 | 5 | 100.0% | 2 | 400.0% | 81 | 57 | 42.1% |
| Intercommodity Spread | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| KC WHEAT | 1,125,371 | 1,070,718 | 5.1% | 1,551,492 | -27.5% | 9,397,876 | 9,889,949 | -5.0% |
| LUMBER | 12,478 | 15,731 | -20.7% | 16,484 | -24.3% | 100,135 | 135,884 | -26.3% |
| MALAYSIAN PALM SWAP | 9,180 | 5,344 | 71.8% | 760 | 1,107.9% | 24,600 | 33,894 | -27.4% |
| MILK | 26,154 | 23,538 | 11.1% | 22,034 | 18.7% | 174,776 | 156,810 | 11.5% |
| MINI CORN | 16,852 | 8,387 | 100.9% | 27,326 | -38.3% | 101,533 | 73,761 | 37.7% |
| MINI SOYBEAN | 17,531 | 17,299 | 1.3% | 20,738 | -15.5% | 125,890 | 173,300 | -27.4% |
| MINI WHEAT | 9,256 | 10,987 | -15.8% | 8,609 | 7.5% | 42,637 | 54,546 | -21.8% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 5,373 | 6,049 | -11.2% | 5,438 | -1.2% | 46,131 | 37,186 | 24.1% |
| OATS | 9,460 | 7,060 | 34.0% | 22,122 | -57.2% | 102,457 | 101,837 | 0.6% |
| ROUGH RICE | 13,534 | 10,735 | 26.1% | 25,818 | -47.6% | 137,549 | 132,296 | 4.0% |
| SOYBEAN | 3,820,585 | 3,794,256 | 0.7% | 5,784,492 | -34.0% | 30,792,116 | 37,761,956 | -18.5% |
| SOYBEAN MEAL | 1,992,617 | 2,417,447 | -17.6% | 2,811,918 | -29.1% | 16,666,479 | 19,566,972 | -14.8% |
| SOYBEAN OIL | 2,231,788 | 2,175,538 | 2.6% | 2,762,647 | -19.2% | 17,301,262 | 18,780,330 | -7.9% |
| S&P GSCI ENHANCED ER SWAP | 0 | 0 | 0.0% | 7,524 | -100.0% | 22,394 | 26,314 | -14.9% |
| SUGAR 11 | 0 | 0 | 0.0% | 10 | -100.0% | 10 | 58 | -82.8% |
| USD CRUDE PALM OIL | 490 | 2,370 | -79.3% | 1,040 | -52.9% | 8,344 | 5,330 | 56.5% |
| WHEAT | 24,452 | 25,320 | -3.4% | 18,519 | 32.0% | 110,214 | 81,692 | 34.9% |
| Ag Products Options | | | | | | | | |
| AUG-NOV SOYBEAN CAL SPRD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| BUTTER CS | 2,277 | 2,778 | -18.0% | 1,827 | 24.6% | 26,066 | 27,313 | -4.6% |
| CASH-SETTLED CHEESE | 8,672 | 9,394 | -7.7% | 8,486 | 2.2% | 70,708 | 70,293 | 0.6% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|------------|
| Ag Products Options | | | | | | | | |
| CATTLE | 132,132 | 205,181 | -35.6% | 160,208 | -17.5% | 1,373,296 | 1,809,557 | -24.1% |
| CAT WEATHER EUROPEAN | 0 | 0 | - | 0 | 0.0% | 2,000 | 0 | - |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 5,000 | 700 | 614.3% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CHI WHEAT | 614,076 | 908,585 | -32.4% | 752,275 | -18.4% | 5,009,099 | 5,870,953 | -14.7% |
| CLASS IV MILK | 3,559 | 1,454 | 144.8% | 3,767 | -5.5% | 29,156 | 6,946 | 319.8% |
| CORN | 3,078,169 | 2,667,677 | 15.4% | 4,682,991 | -34.3% | 21,419,031 | 17,184,057 | 24.6% |
| CORN NEARBY+2 CAL SPRD | 8,506 | 900 | 845.1% | 11,672 | -27.1% | 35,729 | 7,878 | 353.5% |
| DEC-DEC CORN CAL SPRD | 1,496 | 2,233 | -33.0% | 1,606 | -6.8% | 10,916 | 9,904 | 10.2% |
| DEC-JULY CORN CAL SPRD | 3,002 | 6,334 | -52.6% | 888 | 238.1% | 18,430 | 9,494 | 94.1% |
| DEC-JULY WHEAT CAL SPRD | 0 | 110 | -100.0% | 0 | 0.0% | 0 | 110 | -100.0% |
| DRY WHEY | 325 | 493 | -34.1% | 734 | -55.7% | 6,507 | 4,133 | 57.4% |
| FEEDER CATTLE | 29,115 | 26,675 | 9.1% | 36,650 | -20.6% | 225,361 | 213,196 | 5.7% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 3,000 | -100.0% | 0 | 0.0% | 0 | 3,000 | -100.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HOGS | 430,322 | 310,681 | 38.5% | 382,552 | 12.5% | 2,643,005 | 1,476,190 | 79.0% |
| HOUSING INDEX | 0 | 0 | 0.0% | 7 | -100.0% | 7 | 0 | 0.0% |
| Intercommodity Spread | 0 | 0 | 0.0% | 0 | 0.0% | 1,000 | 9,529 | -89.5% |
| JAN-MAY SOYBEAN CAL SPRD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JULY-DEC CORN CAL SPRD | 693 | 0 | 0.0% | 3,435 | -79.8% | 12,273 | 9,946 | 23.4% |
| JULY-DEC SOYMEAL CAL SPRD | 0 | 1,200 | -100.0% | 0 | 0.0% | 0 | 1,200 | -100.0% |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | 0.0% | 100 | -100.0% | 1,450 | 2,420 | -40.1% |
| JULY-NOV SOYBEAN CAL SPRD | 0 | 0 | 0.0% | 0 | 0.0% | 6,121 | 50,106 | -87.8% |
| KC WHEAT | 94,132 | 91,241 | 3.2% | 111,840 | -15.8% | 670,617 | 648,969 | 3.3% |
| LUMBER | 2,004 | 923 | 117.1% | 1,899 | 5.5% | 13,658 | 12,995 | 5.1% |
| LV CATL CSO | 0 | 5 | -100.0% | 40 | -100.0% | 479 | 113 | 323.9% |
| MAR-JULY CORN CAL SPRD | 20 | 0 | 0.0% | 0 | 0.0% | 20 | 0 | 0.0% |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0.0% | 30 | 200 | -85.0% |
| MILK | 40,603 | 36,127 | 12.4% | 34,287 | 18.4% | 265,402 | 223,327 | 18.8% |
| MLK MID OPTIONS | 21 | 42 | -50.0% | 5 | 320.0% | 210 | 333 | -36.9% |
| NFD MILK | 5,086 | 4,200 | 21.1% | 4,394 | 15.7% | 49,486 | 37,197 | 33.0% |
| NOV-JULY SOYBEAN CAL SPRD | 250 | 0 | 0.0% | 0 | 0.0% | 3,250 | 1 | 324,900.0% |
| NOV-MAR SOYBEAN CSO | 0 | 50 | -100.0% | 0 | 0.0% | 20 | 130 | -84.6% |
| NOV-NOV SOYBEAN CAL SPRD | 1,020 | 0 | 0.0% | 750 | 36.0% | 1,884 | 18 | 10,366.7% |
| OATS | 158 | 123 | 28.5% | 341 | -53.7% | 3,833 | 2,605 | 47.1% |
| ROUGH RICE | 3,577 | 1,473 | 142.8% | 1,590 | 125.0% | 15,907 | 10,152 | 56.7% |
| SEP-DEC SOYBEAN MEAL CSO | 0 | 4 | -100.0% | 0 | 0.0% | 0 | 1,170 | -100.0% |
| SOYBEAN | 1,113,335 | 1,480,529 | -24.8% | 1,370,944 | -18.8% | 8,558,041 | 12,669,997 | -32.5% |
| SOYBEAN CRUSH | 0 | 54 | -100.0% | 0 | 0.0% | 4 | 185 | -97.8% |
| SOYBEAN MEAL | 163,197 | 190,773 | -14.5% | 170,026 | -4.0% | 1,150,632 | 2,271,727 | -49.3% |
| SOYBEAN OIL | 92,839 | 81,503 | 13.9% | 98,464 | -5.7% | 767,852 | 805,929 | -4.7% |
| SOYBN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 0 | 0.0% | 5,500 | 10 | 54,900.0% |
| SOYMEAL NEARBY+2 CAL SPRD | 25 | 250 | -90.0% | 0 | 0.0% | 490 | 2,650 | -81.5% |
| WHEAT | 2,915 | 1,800 | 61.9% | 3,598 | -19.0% | 33,997 | 2,623 | 1,196.1% |
| WHEAT-CORN ICSO | 100 | 1,435 | -93.0% | 50 | 100.0% | 2,680 | 4,780 | -43.9% |
| WHEAT NEARBY+2 CAL SPRD | 200 | 1,225 | -83.7% | 0 | 0.0% | 2,440 | 11,166 | -78.1% |

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CMEG Exchange Volume Report - Monthly

| | VOLUME JUL 2019 | VOLUME JUL 2018 | % CHG | VOLUME JUN 2019 | % CHG | VOLUME Y.T.D 2019 | VOLUME Y.T.D 2018 | % CHG |
|----------------------------|--------------------|--------------------|--------------|--------------------|---------------|----------------------|----------------------|--------------|
| TOTAL FUTURES GROUP | | | | | | | | |
| Interest Rate Futures | 139,445,230 | 96,560,378 | 44.4% | 171,646,347 | -18.8% | 1,125,308,623 | 1,091,606,126 | 3.1% |
| Equity Index Futures | 51,569,955 | 37,635,914 | 37.0% | 64,917,320 | -20.6% | 386,343,768 | 376,114,867 | 2.7% |
| Metals Futures | 14,679,597 | 12,312,685 | 19.2% | 13,449,003 | 9.2% | 80,106,724 | 91,833,593 | -12.8% |
| Energy Futures | 43,136,391 | 40,842,537 | 5.6% | 44,056,958 | -2.1% | 312,632,341 | 337,455,711 | -7.4% |
| FX Futures | 14,143,125 | 16,375,118 | -13.6% | 20,280,312 | -30.3% | 116,325,717 | 139,651,116 | -16.7% |
| Ags Futures | 2,810 | 725 | 287.6% | 1,855 | 51.5% | 11,765 | 7,460 | 57.7% |
| Foreign Exchange Futures | 0 | 593 | -100.0% | 0 | 0.0% | 410 | 13,841 | -97.0% |
| Ag Products Futures | 22,902,007 | 22,368,617 | 2.4% | 32,869,245 | -30.3% | 187,125,321 | 194,087,425 | -3.6% |
| TOTAL FUTURES | 285,879,115 | 226,096,567 | 26.4% | 347,221,040 | -17.7% | 2,207,854,669 | 2,230,770,139 | -1.0% |
| TOTAL OPTIONS GROUP | | | | | | | | |
| Equity Index Options | 11,099,226 | 11,851,555 | -6.3% | 12,238,824 | -9.3% | 87,639,538 | 119,703,431 | -26.8% |
| Interest Rate Options | 54,762,505 | 32,612,397 | 67.9% | 85,387,963 | -35.9% | 428,380,010 | 355,191,656 | 20.6% |
| Metals Options | 2,035,038 | 1,168,145 | 74.2% | 2,563,969 | -20.6% | 10,740,766 | 8,274,353 | 29.8% |
| Energy Options | 4,877,393 | 5,105,011 | -4.5% | 5,484,513 | -11.1% | 34,959,842 | 44,846,510 | -22.0% |
| FX Options | 1,011,413 | 1,265,990 | -20.1% | 1,029,095 | -1.7% | 7,879,585 | 11,300,187 | -30.3% |
| Ag Products Options | 5,831,826 | 6,038,452 | -3.4% | 7,845,426 | -25.7% | 42,441,587 | 43,473,202 | -2.4% |
| Foreign Exchange Options | 553 | 239 | 131.4% | 380 | 45.5% | 5,939 | 5,144 | 15.5% |
| TOTAL OPTIONS | 79,617,954 | 58,041,789 | 37.2% | 114,550,170 | -30.5% | 612,047,267 | 582,794,483 | 5.0% |
| TOTAL COMBINED | | | | | | | | |
| Interest Rate | 194,207,735 | 129,172,775 | 50.3% | 257,034,310 | -24.4% | 1,553,688,633 | 1,446,797,782 | 7.4% |
| Equity Index | 62,669,181 | 49,487,469 | 26.6% | 77,156,144 | -18.8% | 473,983,306 | 495,818,298 | -4.4% |
| Metals | 16,714,635 | 13,480,830 | 24.0% | 16,012,972 | 4.4% | 90,847,490 | 100,107,946 | -9.3% |
| Energy | 48,013,784 | 45,947,548 | 4.5% | 49,541,471 | -3.1% | 347,592,183 | 382,302,221 | -9.1% |
| FX | 15,154,538 | 17,641,108 | -14.1% | 21,309,407 | -28.9% | 124,205,302 | 150,951,303 | -17.7% |
| Ags | 2,810 | 725 | 287.6% | 1,855 | 51.5% | 11,765 | 7,460 | 57.7% |
| Foreign Exchange | 553 | 832 | -33.5% | 380 | 45.5% | 6,349 | 18,985 | -66.6% |
| Ag Products | 28,733,833 | 28,407,069 | 1.2% | 40,714,671 | -29.4% | 229,566,908 | 237,560,627 | -3.4% |
| GRAND TOTAL | 365,497,069 | 284,138,356 | 28.6% | 461,771,210 | -20.8% | 2,819,901,936 | 2,813,564,622 | 0.2% |

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