

CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|------------------------------|----------------------------|----------------------------|---------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|-----------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 10-YR NOTE | 121,577 | 94,048 | 29.3% | 26,685,646 | 26,846,713 | -0.60% | 1,179,109 | 1,147,564 | 2.7% | 317,246,581 | 273,051,003 | 16.2% |
| 10-YR SWAP RATE | 0 | 0 | 0.0% | 69,049 | 68,854 | 0.28% | 0 | 0 | 0.0% | 378,781 | 401,705 | -5.7% |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 115 | 2,893 | -96.02% | 0 | 0 | 0.0% | 31,342 | 45,264 | -30.8% |
| 2-YR NOTE | 1,588 | 2,936 | -45.9% | 6,116,595 | 5,909,942 | 3.50% | 28,003 | 15,645 | 79.0% | 89,263,040 | 63,762,179 | 40.0% |
| 2-YR SWAP RATE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| 30-YR BOND | 18,346 | 14,377 | 27.6% | 5,821,135 | 5,345,135 | 8.91% | 190,173 | 154,829 | 22.8% | 63,691,139 | 53,154,700 | 19.8% |
| 30-YR SWAP RATE | 0 | 0 | 0.0% | 0 | 702 | -100.00% | 0 | 0 | 0.0% | 983 | 10,078 | -90.2% |
| 5-YR NOTE | 36,636 | 14,870 | 146.4% | 14,771,678 | 14,119,219 | 4.62% | 304,439 | 196,965 | 54.6% | 194,465,763 | 160,072,339 | 21.5% |
| 5-YR SWAP RATE | 0 | 0 | 0.0% | 37,217 | 60,104 | -38.08% | 0 | 0 | 0.0% | 216,687 | 413,129 | -47.5% |
| 7-YR SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EURODOLLARS | 666,690 | 626,060 | 6.5% | 53,600,016 | 53,616,859 | -0.03% | 7,260,793 | 5,541,844 | 31.0% | 544,274,113 | 479,347,129 | 13.5% |
| FED FUND | 0 | 0 | 0.0% | 4,087,906 | 4,084,690 | 0.08% | 0 | 30 | -100.0% | 44,959,850 | 38,942,973 | 15.5% |
| SOFR | 0 | - | - | 84,706 | - | - | 0 | - | - | 355,837 | - | - |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 2,649,080 | 2,212,570 | 19.73% | 0 | 8 | -100.0% | 32,576,605 | 19,589,232 | 66.3% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 2,410,340 | 2,083,914 | 15.66% | 230 | 15 | 1,433.3% | 30,977,531 | 22,596,986 | 37.1% |
| Interest Rate Options | | | | | | | | | | | | |
| 10-YR NOTE | 2,325,293 | 1,919,052 | 21.2% | 8,753,844 | 10,086,666 | -13.21% | 19,613,220 | 20,099,855 | -2.4% | 92,642,449 | 75,780,310 | 22.3% |
| 2-YR NOTE | 159,800 | 163,365 | -2.2% | 388,827 | 223,999 | 73.58% | 1,315,756 | 575,572 | 128.6% | 3,512,664 | 922,690 | 280.7% |
| 30-YR BOND | 228,694 | 308,204 | -25.8% | 2,681,225 | 2,389,870 | 12.19% | 2,791,449 | 2,369,090 | 17.8% | 21,021,314 | 18,426,920 | 14.1% |
| 5-YR NOTE | 502,197 | 474,726 | 5.8% | 2,034,605 | 1,960,849 | 3.76% | 6,041,092 | 4,949,408 | 22.1% | 22,696,260 | 17,470,715 | 29.9% |
| EURODOLLARS | 6,536,104 | 7,137,812 | -8.4% | 3,894,226 | 3,705,799 | 5.08% | 81,295,503 | 75,167,205 | 8.2% | 39,624,707 | 35,905,953 | 10.4% |
| EURO MIDCURVE | 7,595,804 | 8,480,060 | -10.4% | 4,327,475 | 7,194,571 | -39.85% | 79,876,961 | 76,748,925 | 4.1% | 45,965,406 | 48,656,060 | -5.5% |
| FED FUND | 0 | 2,700 | -100.0% | 200 | 0 | 0.00% | 1,750 | 14,398 | -87.8% | 15,963 | 1,407 | 1,034.5% |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 952 | -100.0% | 28 | 6,835 | -99.6% |
| ULTRA T-BOND | 5,457 | 943 | 478.7% | 1,484 | 3,175 | -53.26% | 34,628 | 10,790 | 220.9% | 20,517 | 15,781 | 30.0% |
| | 250 | - | - | 1 | - | - | 250 | - | - | 1 | - | - |

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|-----------------------------|----------------------------|----------------------------|--------|------------------|------------------|-----------|------------------------------|------------------------------|--------|--------------------|-----------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN FUTURES | 0 | - | - | 62,014 | - | | 0 | - | - | 660,094 | - | - |
| DJ US REAL ESTATE | 0 | 0 | 0.0% | 31,109 | 26,324 | 18.18% | 0 | 0 | 0.0% | 212,881 | 141,586 | 50.4% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 3,518,233 | 2,665,716 | 31.98% | 0 | 0 | 0.0% | 41,321,239 | 25,082,238 | 64.7% |
| E-mini FTSE 100 (USD) | 0 | 0 | 0.0% | 918 | 266 | 245.11% | 0 | 0 | 0.0% | 12,405 | 386 | 3,113.7% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 657 | 1,449 | -54.66% | 0 | 0 | 0.0% | 9,765 | 13,045 | -25.1% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 461,324 | 411,458 | 12.12% | 0 | 0 | 0.0% | 3,309,757 | 3,258,413 | 1.6% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 9,373,956 | 6,729,943 | 39.29% | 0 | 0 | 0.0% | 79,275,454 | 50,599,860 | 56.7% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 6,616 | 4,818 | 37.32% | 0 | 0 | 0.0% | 72,699 | 17,239 | 321.7% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 7,253 | 2,852 | 154.31% | 0 | 0 | 0.0% | 64,185 | 12,160 | 427.8% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 9,004 | 4,284 | 110.18% | 0 | 0 | 0.0% | 81,610 | 19,140 | 326.4% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 3,384,285 | 2,822,378 | 19.91% | 0 | 0 | 0.0% | 24,834,167 | 3,404,441 | 629.5% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 33,174,768 | 33,269,343 | -0.28% | 0 | 0 | 0.0% | 299,042,180 | 281,912,462 | 6.1% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 4,163 | 2,554 | 63.00% | 0 | 0 | 0.0% | 29,219 | 23,367 | 25.0% |
| FT-SE 100 | 0 | 0 | 0.0% | 634 | 907 | -30.10% | 0 | 0 | 0.0% | 11,255 | 4,731 | 137.9% |
| FTSE Emerging | 0 | 0 | 0.0% | 482 | 41 | 1,075.61% | 0 | 0 | 0.0% | 4,234 | 269 | 1,474.0% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 863 | 192 | 349.48% | 0 | 0 | 0.0% | 9,461 | 5,387 | 75.6% |
| NASDAQ BIOTECH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NIFTY 50 | 0 | 0 | 0.0% | 0 | 18,228 | -100.00% | 0 | 0 | 0.0% | 54,444 | 102,998 | -47.1% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 263,979 | 274,544 | -3.85% | 0 | 0 | 0.0% | 2,754,183 | 2,352,757 | 17.1% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 734,303 | 852,391 | -13.85% | 0 | 0 | 0.0% | 7,663,236 | 8,049,488 | -4.8% |
| S&P 500 | 79,508 | 135,054 | -41.1% | 3,251 | 3,236 | 0.46% | 394,040 | 665,109 | -40.8% | 41,332 | 39,166 | 5.5% |
| S&P 500/GI | 0 | 0 | 0.0% | 20 | 85 | -76.47% | 0 | 0 | 0.0% | 73 | 232 | -68.5% |
| S&P 500/VALUE | 0 | 0 | 0.0% | 4,229 | 4,188 | 0.98% | 0 | 0 | 0.0% | 36,041 | 67,360 | -46.5% |
| S&P 600 SMALLCAP EMINI | 0 | - | - | 1 | - | | 0 | - | - | 1 | - | - |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 13,427 | 6,450 | 108.17% | 0 | 0 | 0.0% | 114,329 | 37,786 | 202.6% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 29,800 | 32,441 | -8.14% | 0 | 0 | 0.0% | 120,693 | 78,550 | 53.7% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 19,514 | 15,450 | 26.30% | 0 | 0 | 0.0% | 169,707 | 95,757 | 77.2% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 30,989 | 25,292 | 22.52% | 0 | 0 | 0.0% | 249,179 | 143,232 | 74.0% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 22,253 | 15,505 | 43.52% | 0 | 0 | 0.0% | 115,259 | 83,994 | 37.2% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 16,955 | 9,453 | 79.36% | 0 | 0 | 0.0% | 109,996 | 42,253 | 160.3% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 15,575 | 10,791 | 44.33% | 0 | 0 | 0.0% | 66,542 | 53,741 | 23.8% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 33,162 | 13,151 | 152.16% | 0 | 0 | 0.0% | 170,032 | 49,392 | 244.3% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 39,858 | 33,802 | 17.92% | 0 | 0 | 0.0% | 202,066 | 136,501 | 48.0% |
| YEN DENOMINATED TOPIX | 0 | - | - | 449 | - | | 0 | - | - | 4,293 | - | - |

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|-----------------------------|----------------------------|----------------------------|--------|------------------|------------------|---------|------------------------------|------------------------------|---------|--------------------|--------------------|----------|
| Equity Index Options | | | | | | | | | | | | |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 6,387 | 4,174 | 53.02% | 0 | 0 | 0.0% | 86,791 | 46,928 | 84.9% |
| E-MINI MIDCAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 185,156 | 230,746 | -19.76% | 0 | 0 | 0.0% | 2,113,153 | 2,047,454 | 3.2% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 12,513 | 3,063 | 308.52% | 0 | 0 | 0.0% | 115,442 | 9,826 | 1,074.9% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 4,910,266 | 4,585,072 | 7.09% | 14,660 | 1,935 | 657.6% | 51,111,458 | 37,701,121 | 35.6% |
| EOM E-MINI RUSSELL 2000 EN | 0 | 0 | 0.0% | 10,180 | 7,698 | 32.24% | 0 | 0 | 0.0% | 56,796 | 9,847 | 476.8% |
| EOM EMINI S&P | 0 | 0 | 0.0% | 2,091,261 | 2,073,790 | 0.84% | 0 | 0 | 0.0% | 22,696,360 | 17,956,089 | 26.4% |
| EOM S&P 500 | 153,142 | 218,798 | -30.0% | 0 | 0 | 0.00% | 1,669,669 | 1,614,894 | 3.4% | 0 | 0 | 0.0% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 931 | 1,830 | -49.13% | 0 | 0 | 0.0% | 17,498 | 2,479 | 605.8% |
| EOW1 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 780 | 1,222 | -36.17% | 0 | 0 | 0.0% | 22,968 | 2,211 | 938.8% |
| EOW1 EMINI S&P 500 | 0 | 0 | 0.0% | 995,850 | 741,584 | 34.29% | 0 | 0 | 0.0% | 9,658,001 | 9,476,222 | 1.9% |
| EOW1 S&P 500 | 86,343 | 73,833 | 16.9% | 0 | 0 | 0.00% | 736,085 | 769,660 | -4.4% | 0 | 0 | 0.0% |
| EOW2 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 3,240 | 1,704 | 90.14% | 0 | 0 | 0.0% | 43,935 | 2,400 | 1,730.6% |
| EOW2 EMINI S&P 500 | 0 | 0 | 0.0% | 933,897 | 612,816 | 52.39% | 0 | 0 | 0.0% | 10,984,815 | 9,615,381 | 14.2% |
| EOW2 S&P 500 | 69,457 | 136,564 | -49.1% | 0 | 0 | 0.00% | 1,343,698 | 1,461,130 | -8.0% | 0 | 0 | 0.0% |
| EOW3 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 4,330 | 18,508 | -76.60% | 0 | 0 | 0.0% | 174,204 | 23,152 | 652.4% |
| EOW3 EMINI S&P 500 | 0 | 0 | 0.0% | 1,842,005 | 2,524,133 | -27.02% | 0 | 3,000 | -100.0% | 30,905,958 | 30,570,939 | 1.1% |
| EOW3 S&P 500 | 102,641 | 360,150 | -71.5% | 0 | 0 | 0.00% | 2,549,332 | 3,174,627 | -19.7% | 0 | 0 | 0.0% |
| EOW4 E-MINI RUSSELL 2000 W | 0 | 0 | 0.0% | 201 | 2,139 | -90.60% | 0 | 0 | 0.0% | 46,018 | 3,092 | 1,388.3% |
| EOW4 EMINI S&P 500 | 0 | 0 | 0.0% | 67,137 | 986,983 | -93.20% | 0 | 0 | 0.0% | 9,563,674 | 8,560,142 | 11.7% |
| S&P 500 | 308,755 | 320,586 | -3.7% | 0 | 0 | 0.00% | 2,724,357 | 2,862,171 | -4.8% | 0 | 0 | 0.0% |

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|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Metals Futures | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 968 | 668 | 44.91% | 0 | 0 | 0.0% | 6,991 | 6,655 | 5.0% |
| COMEX COPPER | 0 | 0 | 0.0% | 2,332,430 | 2,282,240 | 2.20% | 0 | 0 | 0.0% | 25,884,869 | 19,052,976 | 35.9% |
| COMEX E-Mini GOLD | 0 | 0 | 0.0% | 11,095 | 9,049 | 22.61% | 0 | 0 | 0.0% | 71,053 | 75,000 | -5.3% |
| COMEX E-Mini SILVER | 0 | 0 | 0.0% | 795 | 419 | 89.74% | 0 | 0 | 0.0% | 10,571 | 7,613 | 38.9% |
| COMEX GOLD | 0 | 0 | 0.0% | 5,317,356 | 6,981,728 | -23.84% | 0 | 0 | 0.0% | 61,128,014 | 50,526,278 | 21.0% |
| COMEX MINY COPPER | 0 | 0 | 0.0% | 260 | 401 | -35.16% | 0 | 0 | 0.0% | 4,181 | 6,554 | -36.2% |
| COMEX SILVER | 0 | 0 | 0.0% | 1,611,917 | 1,696,173 | -4.97% | 0 | 0 | 0.0% | 18,071,189 | 16,881,039 | 7.1% |
| COPPER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| E-MICRO GOLD | 0 | 0 | 0.0% | 166,039 | 126,540 | 31.21% | 0 | 0 | 0.0% | 1,236,878 | 839,889 | 47.3% |
| FERROUS PRODUCTS | 0 | 0 | 0.0% | 86 | 50 | 72.00% | 0 | 0 | 0.0% | 362 | 85 | 325.9% |
| GOLD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 1 | -100.0% |
| Gold Kilo | 0 | 0 | 0.0% | 0 | 294 | -100.00% | 0 | 0 | 0.0% | 136 | 3,123 | -95.6% |
| IRON ORE 62 CHINA PLATTS F | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| IRON ORE 62 CHINA TSI FUTU | 0 | 0 | 0.0% | 6 | 127 | -95.28% | 0 | 0 | 0.0% | 141 | 2,590 | -94.6% |
| LNDN ZINC | 0 | 0 | 0.0% | 1,677 | 10 | 16,670.00% | 0 | 0 | 0.0% | 5,943 | 95 | 6,155.8% |
| METALS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 2,079 | 786 | 164.50% | 0 | 0 | 0.0% | 27,899 | 2,748 | 915.2% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 558,935 | 508,939 | 9.82% | 0 | 0 | 0.0% | 4,094,262 | 3,443,206 | 18.9% |
| PALLADIUM | 0 | 0 | 0.0% | 85,540 | 76,656 | 11.59% | 0 | 0 | 0.0% | 1,048,787 | 1,033,277 | 1.5% |
| SILVER | 0 | 0 | 0.0% | 7,226 | 5,614 | 28.71% | 0 | 0 | 0.0% | 67,848 | 53,419 | 27.0% |
| URANIUM | 0 | 0 | 0.0% | 288 | 0 | 0.00% | 0 | 0 | 0.0% | 593 | 427 | 38.9% |

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| Metals Options | | | | | | | | | | | | |
| COMEX COPPER | 0 | 0 | 0.0% | 29,910 | 17,787 | 68.16% | 0 | 0 | 0.0% | 171,016 | 54,129 | 215.9% |
| COMEX GOLD | 0 | 0 | 0.0% | 545,202 | 819,893 | -33.50% | 0 | 0 | 0.0% | 6,815,620 | 5,887,525 | 15.8% |
| COMEX SILVER | 0 | 0 | 0.0% | 114,527 | 119,402 | -4.08% | 0 | 0 | 0.0% | 1,162,795 | 996,933 | 16.6% |
| COPPER | 0 | - | - | 25 | - | | 0 | - | - | 403 | - | - |
| GOLD | 0 | 0 | 0.0% | 38,184 | 14,395 | 165.26% | 0 | 0 | 0.0% | 351,731 | 109,682 | 220.7% |
| HOT ROLLED COIL STEEL CAL | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| IRON ORE 62 CHINA TSI CALL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| IRON ORE 62 CHINA TSI PUT O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NIKKEI 225 (YEN) STOCK | 0 | - | - | 6 | - | | 0 | - | - | 27 | - | - |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 1,498 | 1,196 | 25.25% | 0 | 0 | 0.0% | 17,347 | 9,929 | 74.7% |
| PALLADIUM | 0 | 0 | 0.0% | 1,151 | 1,543 | -25.41% | 0 | 0 | 0.0% | 13,820 | 10,391 | 33.0% |
| SILVER | 0 | 0 | 0.0% | 3,491 | 23 | 15,078.26% | 0 | 0 | 0.0% | 17,184 | 1,428 | 1,103.4% |
| Energy Futures | | | | | | | | | | | | |
| 3.5% FUEL OIL CID MED SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 3.5% FUEL OIL CIF BALMO S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| AEP-DAYTON HUB DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| AEP-DAYTON HUB MTHLY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| AEP-DAYTON HUB OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ALGON CITY GATES NAT GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ALGONQUIN CITYGATES BASI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ANR LOUISIANA BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ANR OKLAHOMA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| APPALACHIAN COAL (PHY) | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ARGUS LLS VS. WTI (ARG) T | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 30 | 60 | -50.0% |
| ARGUS PROPAN FAR EST IND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ARGUS PROPAN(SAUDI ARAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| AUSTRIALIAN COKE COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT BALMO SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CFD SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| BRENT FINANCIAL FUTURES | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT OIL LAST DAY | 0 | 0 | 0.0% | 1,525,993 | 1,592,290 | -4.16% | 0 | 0 | 0.0% | 15,291,343 | 17,338,628 | -11.8% |
| CAISO SP15 EZGNHUB5 MW P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CAISO SP15 EZGNHUB5 PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CANADIAN LIGHT SWEET OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CENTERPOINT BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CENTERPOINT EAST INDEX | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CEU ENERGY | 0 | - | - | 12,010 | - | | 0 | - | - | 63,150 | - | - |
| CHICAGO ETHANOL SWAP | 0 | 0 | 0.0% | 29 | 299 | -90.30% | 0 | 0 | 0.0% | 1,930 | 2,236 | -13.7% |
| CHICAGO ULSD (PLATTS) SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHICAGO ULSD PL VS HO SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHICAGO UNL GAS PL VS RBO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIG BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIG ROCKIES NG INDEX SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CINERGY HUB OFF-PEAK MON | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CINERGY HUB PEAK MONTH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW D AH O PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW REAL TIME O P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW REAL TIME PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COAL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COLUMB GULF MAINLINE NG B | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COLUMBIA GULF MAIN NAT G | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| COLUMBIA GULF ONSHORE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY NATURAL GASOLINE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY NORMAL BUTANE (O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CONWAY PROPANE 5 DECIMA | 0 | 0 | 0.0% | 0 | 7 | -100.00% | 0 | 0 | 0.0% | 32 | 51 | -37.3% |
| CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 89 | 407 | -78.1% |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 20,730,513 | 27,030,260 | -23.31% | 0 | 0 | 0.0% | 227,520,577 | 232,153,364 | -2.0% |
| CRUDE OIL SPRDS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| CRUDE OIL TRADE AT MARKE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DATED BRENT (PLATTS) DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| DATED TO FRONTLINE BRENT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DEMARC INDEX FUTURE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DEMARC SWING SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DIESEL 10P BRG FOB RDM VS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DIESEL 10PPM BARGES FOB B | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DLY GAS EURO-BOB OXY | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DOMINION TRAN INC - APP I | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DOMINION TRANSMISSION INC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DUBAI CRUDE OIL BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DUBAI CRUDE OIL CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DY EURO 3.5% FUEL OI RDA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EASTERN RAIL DELIVERY CSX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EAST/WEST FUEL OIL SPREAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EIA FLAT TAX ONHWAY DIESE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC ERCOT DLY OFF PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC ERCOT DLY PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC ERCOT OFF PEAK | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| ELEC FINSETTLED | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC MISO PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC NYISO OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELECTRICITY ERCOT PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELECTRICITY OFF PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC WEST POWER OFF-PEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC WEST POWER PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EL PASO PERMIAN INDEX SWA | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ERCOT DAILY 5MW PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ERCOT HOUSTON Z MCPE 5M | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ERCOT NORTH ZMCPE 5MW O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ERCOT NORTH ZMCPE 5MW O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ERCOT NORTH ZMCPE 5MW P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL | 0 | 0 | 0.0% | 8,239 | 6,012 | 37.04% | 0 | 0 | 0.0% | 79,580 | 118,065 | -32.6% |
| ETHANOL FWD | - | - | - | - | - | | - | 0 | 0.0% | - | 0 | 0.0% |
| ETHANOL SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| ETHANOL T2 FOB ROTT INCL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| EURO 1% FUEL OIL NEW BALM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO 3.5% FUEL OIL RDAM B | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO 3.5% FUEL OIL SPREAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO-DENOMINATED PETRO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO GASOIL 10 CAL SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EURO GASOIL 10PPM VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 1% FUEL OIL NWE CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 1% FUEL OIL RDAM C | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 3.5% FUEL OIL MED | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 3.5% FUEL OIL RDAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPEAN GASOIL (ICE) | 0 | 0 | 0.0% | 670 | 901 | -25.64% | 0 | 0 | 0.0% | 4,321 | 28,409 | -84.8% |
| EUROPEAN NAPHTHA BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPEAN NAPHTHA CRACK S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE DATED BRENT SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE JET KERO NWE CALS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE NAPHTHA CALSWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO PROPANE CIF ARA SW | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FL GAS ZONE 3 NAT GAS IND | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| FLORIDA GAS ZONE3 BASIS S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FREIGHT MARKETS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL CRACK VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL NWE CRACK VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL (PLATS) CAR CM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL (PLATS) CAR CN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FUELOIL SWAP:CARGOES VS. | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GAS EURO-BOB OXY NWE BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GAS EURO-BOB OXY NWE BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 BRGS FOB VS IC | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GASOIL 0.1 CIF MED SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 CIF NWE VS ISE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 CIF VS ICE GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 0.1 CRG CIF NW VS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GASOIL 0.1 RDAM BRGS VS I | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| GASOIL 0.1 ROTTERDAM BAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 10P CRG CIF NW VS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 10PPM CARGOES CIF | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GASOIL 10PPM VS ICE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL BULLET SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL CRACK SPREAD CALE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL MINI CALENDAR SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOLINE UP-DOWN BALMO S | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GROUP THREE ULSD (PLATTS) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GROUP THREE UNLEAD GAS (| 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| GRP THREE ULSD(PLT)VS HEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GRP THREE UNL GS (PLT) VS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST 3% FUEL OIL BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST GASOLINE CLND | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| GULF COAST JET FUEL CLNDR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST JET VS NYM 2 H | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST NO.6 FUEL OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST ULSD CALEND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GULF COAST ULSD CRACK SP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL BALMO CLNDR S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL CRCK SPRD BAL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HEATING OIL PHY | 0 | 0 | 0.0% | 3,276,986 | 3,350,745 | -2.20% | 0 | 0 | 0.0% | 32,883,814 | 30,549,453 | 7.6% |
| HENRY HUB BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2,996 | -100.0% |
| HENRY HUB FINANCIAL LAST | 0 | 0 | 0.0% | 3,861 | 815 | 373.74% | 0 | 0 | 0.0% | 27,181 | 1,547 | 1,657.0% |
| HENRY HUB INDEX SWAP FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2,996 | -100.0% |
| HENRY HUB SWAP | 0 | 0 | 0.0% | 1,330 | 1,159 | 14.75% | 0 | 0 | 0.0% | 56,209 | 61,064 | -8.0% |
| HENRY HUB SWING FUTURE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HOUSTON SHIP CHANNEL BAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOUSTON SHIP CHANNEL IND | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HTG OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 84 | -100.0% |
| HUSTN SHIP CHNL PIPE SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ICE BRENT DUBAI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ICE GASOIL BALMO SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|------------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| IN DELIVERY MONTH EUA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| INDIANA MISO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| INDONESIAN COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| INDONESIAN COAL ICI4 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| ISO NEW ENGLAND OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ISO NEW ENGLAND PK LMP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN C&F NAPHTHA CRACK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN C&F NAPHTHA SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JAPAN NAPHTHA BALMO SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET AV FUEL (P) CAR FM ICE G | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET BARGES VS ICE GASOIL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| JET CIF NWE VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET FUEL BRG FOB RDM VS I | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET FUEL CRG CIF NEW VS I | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JET FUEL UP-DOWN BALMO C | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA CARB DIESEL (OPIS) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA CARB DIESEL (OPIS) SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA CARBOB GASOLINE(OPIS)S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA JET FUEL VS NYM NO 2 H | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LA JET (OPIS) SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LLS (ARGUS) CALENDAR SWA | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| LLS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 15 | -100.0% |
| LTD NAT GAS | 0 | 0 | 0.0% | 188,472 | 137,908 | 36.67% | 0 | 0 | 0.0% | 1,810,102 | 1,108,365 | 63.3% |
| MARS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MARS (ARGUS) VS WTI TRD M | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 375 | 0 | 0.0% |
| MARS BLEND CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 200 | -100.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 719 | 0 | 0.0% |
| MCCLOSKEY RCH BAY COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MGF FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MGN1 SWAP FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MICHCON NG INDEX SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MICHIGAN BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MICHIGAN MISO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINI GAS EUROBOB OXY NWE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| MINI RBOB V. EBOBARG NWE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINI RBOB V. EBOB(ARGUS) N | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MINY HTG OIL | 0 | 0 | 0.0% | 7 | 4 | 75.00% | 0 | 0 | 0.0% | 36 | 25 | 44.0% |
| MINY NATURAL GAS | 0 | 0 | 0.0% | 24,447 | 17,406 | 40.45% | 0 | 0 | 0.0% | 227,566 | 218,745 | 4.0% |
| MINY RBOB GAS | 0 | 0 | 0.0% | 5 | 4 | 25.00% | 0 | 0 | 0.0% | 33 | 39 | -15.4% |
| MINY WTI CRUDE OIL | 0 | 0 | 0.0% | 298,906 | 245,647 | 21.68% | 0 | 0 | 0.0% | 2,989,238 | 2,365,139 | 26.4% |
| MJC FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MNC FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU ETHANE 5 DEC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU ETHANE OPIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU LDH PROPANE | 0 | 0 | 0.0% | 14 | 51 | -72.55% | 0 | 0 | 0.0% | 184 | 282 | -34.8% |
| MONT BELVIEU LDH PROPANE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NORMAL BUTA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MONT BELVIEU NORMAL BUTA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NAT GAS BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS | 0 | 0 | 0.0% | 73,666 | 31,882 | 131.06% | 0 | 0 | 0.0% | 439,470 | 319,535 | 37.5% |
| NATURAL GAS FIXED PRICE S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PEN SWP | 0 | 0 | 0.0% | 0 | 4 | -100.00% | 0 | 0 | 0.0% | 0 | 62 | -100.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 9,438,851 | 8,199,047 | 15.12% | 0 | 0 | 0.0% | 77,419,265 | 74,691,591 | 3.7% |
| NEPOOL CNCTCT 5MW D AH O | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL CONECTIC 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL INTR HUB 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL NE MASS 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL NE MASS 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL NEW HAMP 5MW D A | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL RHD ISLD 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL RHODE IL 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL SE MASS 5MW D AH | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL SE MASS 5MW D AH | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL W CNT MASS 5MW D | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL W CNTR M 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| NEW ENGLAND HUB PEAK DAI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK HUB ZONE G PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK HUB ZONE J PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL MID-CONTINENT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL MIDCONTINENT INDEX | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NGPL MIDCONTINENT SWING | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NGPL TEX/OK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL TEXOK INDEX | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ILLINOIS HUB DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| N ILLINOIS HUB MTHLY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NO 2 UP-DOWN SPREAD CALE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NORTHEN NATURAL GAS DEM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NORTHEN NATURAL GAS VEN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NORTHERN ILLINOIS OFF-PEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NORTHWEST ROCKIES BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| N ROCKIES PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY1% VS GC SPREAD SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY 2.2% FUEL OIL (PLATTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY 3.0% FUEL OIL (PLATTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR 1% FUEL OIL BAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 67 | 3 | 2,133.3% |
| NY HARBOR LOW SULPUR GA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR RESIDUAL FUEL 1 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYH NO 2 CRACK SPREAD CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY H OIL PLATTS VS NYMEX | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO A | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO A OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO CAPACITY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO G | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO G OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO J | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO J OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE A 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| NYISO ZONE A 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE C 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE C 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE G 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE G 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE J 5MW D AH O P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE J 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY JET FUEL (PLATTS) HEAT C | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYMEX ALUMINUM FUTURES | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX ULSD VS NYMEX HO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY ULSD (ARGUS) VS HEATIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ONEOK OKLAHOMA NG BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PANHANDLE BASIS SWAP FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PANHANDLE INDEX SWAP FUT | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PANHANDLE PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PERMIAN BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS ASIA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS ASIA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTRIGHT EURO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTRIGHT NA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM AD HUB 5MW REAL TIME | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM AECO DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM AECO DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM APS ZONE DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM APS ZONE DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM ATSI ELEC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM BGE DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM BGE DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM COMED 5MW D AH O PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| PJM COMED 5MW D AH PK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAILY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM JCPL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM JCPL DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM MONTHLY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NI HUB 5MW REAL TIME | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NILL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NILL DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM OFF-PEAK LMP SWAP FU | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PECO ZONE5MW PEAK C | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM PPL DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PPL DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WES HUB PEAK LMP 50 M | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM WESTH DA OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTHDA PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT OFF-PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PLASTICS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PREMIUM UNLD 10P FOB MED | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PREMIUM UNLEAD 10PPM FOB | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PREM UNL GAS 10PPM RDAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PREM UNL GAS 10PPM RDAM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PROPANE NON-LDH MB (OPIS) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PROPANE NON-LDH MT. BEL (| 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 5 | -100.0% |
| RBOB CRACK SPREAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CRACK SPREAD BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB GASOLINE BALMO CLNC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB PHY | 0 | 0 | 0.0% | 3,707,112 | 3,872,264 | -4.26% | 0 | 0 | 0.0% | 35,673,959 | 36,343,131 | -1.8% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| RBOB (PLATTS) CAL SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| RBOB SPREAD (PLATTS) SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB UP-DOWN CALENDAR S | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| RBOB VS HEATING OIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ROCKIES KERN OPAL - NW IN | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SAN JUAN BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SAN JUAN PIPE SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| SINGAPORE 180CST BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE 380CST BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE 380CST FUEL OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE FUEL 180CST CAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE FUEL OIL SPREA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL CALEND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE GASOIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2 | 36 | -94.4% |
| SINGAPORE GASOIL VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KERO BALMO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KERO GASOI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KEROSENE S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET KERO VS. GA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE MOGAS 92 UNLEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE MOGAS 92 UNLEA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2 | 5 | -60.0% |
| SINGAPORE NAPHTHA BALMO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SINGAPORE NAPHTHA SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| SING FUEL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SOCAL PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SONAT BASIS SWAP FUTURE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SOUTHERN NAT LA NAT GAS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SOUTH STAR TEX OKLHM KNS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Sumas Basis Swap | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SUMAS NAT GAS PLATTS FIXE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TC2 ROTTERDAM TO USAC 37 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| TC5 RAS TANURA TO YOKOHA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TCO BASIS SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| TCO NG INDEX SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TD3 MEG TO JAPAN 250K MT | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| TENN 800 LEG NAT GAS INDE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| TENNESSEE 500 LEG BASIS S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TENNESSEE 800 LEG NG BASI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TENNESSEE ZONE 0 BASIS S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TETCO M-3 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Tetco STX Basis | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TEXAS EASTERN ZONE M-3 BA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TEXAS GAS ZONE1 NG BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Transco Zone 3 Basis | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 3 NG INDEX S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE4 BASIS SWAF | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 4 NAT GAS IN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 6 BASIS SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 6 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| UCM FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ULSD 10PPM CIF MED BALMO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ULSD 10PPM CIF MED SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ULSD 10PPM CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ULSD 10PPM CIF NW BALMO S | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ULSD 10PPM CIF VS ICE GAS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ULSD UP-DOWN BALMO SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| UP DOWN GC ULSD VS NMX H | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| USGC UNL 87 CRACK SPREAD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| WAHA BASIS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WAHA INDEX SWAP FUTURE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WESTERN RAIL DELIVERY PR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 6 | 120 | -95.0% |
| WTI CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTS (ARGUS) VS WTI TRD MT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Options | | | | | | | | | | | | |
| 12 MO GASOIL CAL SWAP SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 1 MO GASOIL CAL SWAP SPR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| BRENT 1 MONTH CAL | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CRUDE OIL 12 M CSO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| BRENT CRUDE OIL 1 M CSO | 0 | - | - | 0 | - | | 0 | - | - | 2,900 | - | - |
| BRENT CRUDE OIL 6 M CSO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| BRENT OIL LAST DAY | 0 | 0 | 0.0% | 85,616 | 19,464 | 339.87% | 0 | 0 | 0.0% | 550,429 | 85,457 | 544.1% |
| COAL API2 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COAL API4 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COAL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL 1MO | 0 | 0 | 0.0% | 4,345 | 83,405 | -94.79% | 0 | 0 | 0.0% | 125,235 | 266,593 | -53.0% |
| CRUDE OIL APO | 0 | 0 | 0.0% | 0 | 8 | -100.00% | 0 | 0 | 0.0% | 331 | 60 | 451.7% |
| CRUDE OIL CALNDR STRIP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 2,721,678 | 2,221,034 | 22.54% | 0 | 0 | 0.0% | 26,250,365 | 27,248,090 | -3.7% |
| ELEC FINSETTLED | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ELEC MISO PEAK | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EURO-DENOMINATED PETRO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUROPEAN JET KEROSENE N | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOLINE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL CRACK OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL CRK SPD AVG P | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL PHY | 0 | 0 | 0.0% | 3,656 | 3,214 | 13.75% | 0 | 0 | 0.0% | 46,540 | 43,251 | 7.6% |
| HENRY HUB FINANCIAL LAST | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 0 | 0.0% |
| HO 1 MONTH CLNDR OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HUSTN SHIP CHNL PIPE SWP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| LLS CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MCCLOSKEY RCH BAY COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS 1 M CSO FIN | 0 | 0 | 0.0% | 243 | 2,100 | -88.43% | 0 | 0 | 0.0% | 1,629 | 3,420 | -52.4% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Options | | | | | | | | | | | | |
| NATURAL GAS 2 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS 3 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1 | 0 | 0.0% |
| NATURAL GAS 5 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS 6 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS OPTION ON CA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 1,467,911 | 1,256,428 | 16.83% | 0 | 0 | 0.0% | 11,071,844 | 10,593,402 | 4.5% |
| NATURAL GAS WINTER STRIP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| NG HH 3 MONTH CAL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ROCKIES PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 50 | 22 | 127.27% | 0 | 0 | 0.0% | 496 | 468 | 6.0% |
| NYISO ZONE G 5MW PEAK OP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX EUROPEAN GASOIL A | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX EUROPEAN GASOIL O | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PANHANDLE PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 0 | 8 | -100.00% | 0 | 0 | 0.0% | 23 | 8 | 187.5% |
| PETRO OUTRIGHT EURO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTRIGHT NA | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| PJM MONTHLY | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM WES HUB PEAK CAL MTH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WES HUB PEAK LMP 50M | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB 1MO CAL SPD OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 10 | -100.0% |
| RBOB PHY | 0 | 0 | 0.0% | 2,412 | 12,717 | -81.03% | 0 | 0 | 0.0% | 31,187 | 62,334 | -50.0% |
| ROTTERDAM 3.5%FUEL OIL CL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SAN JUAN PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SHORT TERM | 0 | 0 | 0.0% | 15 | 60 | -75.00% | 0 | 0 | 0.0% | 996 | 60 | 1,560.0% |
| SHORT TERM NATURAL GAS | 0 | 0 | 0.0% | 35 | 178 | -80.34% | 0 | 0 | 0.0% | 845 | 178 | 374.7% |
| SINGAPORE GASOIL CALEND A | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SINGAPORE JET FUEL CALEN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SOCAL PIPE SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 0 | 0 | 0.0% | 1,104 | 8,072 | -86.32% | 0 | 0 | 0.0% | 138,765 | 15,160 | 815.3% |
| WTI CRUDE OIL 1 M CSO FI | 0 | 0 | 0.0% | 0 | 3,600 | -100.00% | 0 | 0 | 0.0% | 15,050 | 4,000 | 276.3% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|------------------------|----------------------------|----------------------------|---------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 1 | 4 | -75.00% | 0 | 0 | 0.0% | 53 | 37 | 43.2% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 6,058 | 4,024 | 50.55% | 0 | 0 | 0.0% | 39,288 | 21,946 | 79.0% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 34 | 39 | -12.82% | 0 | 0 | 0.0% | 699 | 759 | -7.9% |
| AUSTRALIAN DOLLAR | 0 | 31 | -100.0% | 2,349,852 | 2,575,327 | -8.76% | 0 | 1,537 | -100.0% | 21,321,476 | 17,745,948 | 20.1% |
| BDI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 6,243 | -100.0% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 3,114 | 4,402 | -29.26% | 0 | 0 | 0.0% | 28,091 | 25,244 | 11.3% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 444 | 85 | 422.35% | 0 | 0 | 0.0% | 3,354 | 697 | 381.2% |
| BRAZIL REAL | 0 | 0 | 0.0% | 95,158 | 60,071 | 58.41% | 0 | 0 | 0.0% | 888,644 | 455,631 | 95.0% |
| BRITISH POUND | 3 | 0 | 0.0% | 2,955,386 | 3,395,872 | -12.97% | 10 | 248 | -96.0% | 24,504,277 | 22,476,384 | 9.0% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,679,782 | 2,127,458 | -21.04% | 41 | 2,532 | -98.4% | 15,745,435 | 14,379,196 | 9.5% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 0 | 2 | -100.00% | 0 | 0 | 0.0% | 849 | 554 | 53.2% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 21,260 | 2,688 | 690.92% | 0 | 0 | 0.0% | 59,394 | 13,768 | 331.4% |
| CZECK KORUNA (EC) | 0 | - | - | 4 | - | - | 0 | - | - | 6 | - | - |
| CZECK KORUNA (US) | 0 | - | - | 0 | - | - | 0 | - | - | 15 | - | - |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 5,747 | 2,870 | 100.24% | 0 | 0 | 0.0% | 18,616 | 21,541 | -13.6% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 5,933 | 7,695 | -22.90% | 0 | 0 | 0.0% | 31,110 | 39,402 | -21.0% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 772 | 521 | 48.18% | 0 | 0 | 0.0% | 3,757 | 1,286 | 192.1% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 1,656 | 2,343 | -29.32% | 0 | 0 | 0.0% | 7,843 | 5,389 | 45.5% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 144,144 | 150,034 | -3.93% | 0 | 0 | 0.0% | 751,416 | 647,590 | 16.0% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 108,953 | 101,177 | 7.69% | 0 | 0 | 0.0% | 739,218 | 590,175 | 25.3% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 49,778 | 46,929 | 6.07% | 0 | 0 | 0.0% | 267,526 | 310,186 | -13.8% |
| E-MICRO AUD/USD | 0 | 0 | 0.0% | 121,585 | 98,832 | 23.02% | 0 | 0 | 0.0% | 967,888 | 781,142 | 23.9% |
| E-MICRO CAD/USD | 0 | 0 | 0.0% | 13,711 | 35,050 | -60.88% | 0 | 0 | 0.0% | 159,410 | 186,093 | -14.3% |
| E-MICRO CHF/USD | 0 | 0 | 0.0% | 1,995 | 1,038 | 92.20% | 0 | 0 | 0.0% | 13,293 | 8,574 | 55.0% |
| E-MICRO EUR/USD | 0 | 0 | 0.0% | 332,456 | 279,760 | 18.84% | 0 | 0 | 0.0% | 3,364,884 | 2,311,227 | 45.6% |
| E-MICRO GBP/USD | 0 | 0 | 0.0% | 46,347 | 61,737 | -24.93% | 0 | 0 | 0.0% | 428,269 | 521,478 | -17.9% |
| E-MICRO INR/USD | 0 | 0 | 0.0% | 5,862 | 2,863 | 104.75% | 0 | 0 | 0.0% | 40,852 | 23,269 | 75.6% |
| E-MICRO JPY/USD | 0 | 0 | 0.0% | 23,194 | 31,763 | -26.98% | 0 | 0 | 0.0% | 275,559 | 359,438 | -23.3% |
| E-MICRO USD/CAD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/CHF | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/CNH | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MICRO USD/JPY | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 113,175 | 134,404 | -15.79% | 0 | 0 | 0.0% | 940,863 | 863,666 | 8.9% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 8,809 | 17,745 | -50.36% | 0 | 0 | 0.0% | 117,022 | 287,171 | -59.3% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|-----------------------|----------------------------|----------------------------|--------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| FX Futures | | | | | | | | | | | | |
| EURO FX | 4 | 142 | -97.2% | 6,141,988 | 5,837,373 | 5.22% | 538 | 2,601 | -79.3% | 52,908,910 | 41,344,010 | 28.0% |
| HUNGARIAN FORINT (EC) | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| HUNGARIAN FORINT (US) | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| INDIAN RUPEE | 0 | 0 | 0.0% | 89,647 | 57,411 | 56.15% | 0 | 0 | 0.0% | 785,215 | 304,489 | 157.9% |
| JAPANESE YEN | 2 | 231 | -99.1% | 2,568,243 | 4,582,482 | -43.96% | 104 | 8,907 | -98.8% | 27,134,775 | 31,418,346 | -13.6% |
| KOREAN WON | 0 | 0 | 0.0% | 320 | 38 | 742.11% | 0 | 0 | 0.0% | 2,093 | 175 | 1,096.0% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,485,043 | 1,494,833 | -0.65% | 0 | 5 | -100.0% | 12,653,298 | 9,315,233 | 35.8% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 615,837 | 690,635 | -10.83% | 0 | 0 | 0.0% | 5,766,533 | 4,599,691 | 25.4% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 9,475 | 2,851 | 232.34% | 0 | 0 | 0.0% | 42,553 | 16,742 | 154.2% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 26 | 10 | 160.00% | 0 | 0 | 0.0% | 174 | 381 | -54.3% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 69 | 75 | -8.00% | 0 | 0 | 0.0% | 770 | 942 | -18.3% |
| RMB USD | 0 | 0 | 0.0% | 0 | 46 | -100.00% | 0 | 0 | 0.0% | 23 | 276 | -91.7% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 85,544 | 45,931 | 86.24% | 0 | 0 | 0.0% | 487,368 | 320,279 | 52.2% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 55,589 | 76,535 | -27.37% | 0 | 0 | 0.0% | 424,583 | 413,354 | 2.7% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 7 | 0 | 0.00% | 0 | 0 | 0.0% | 7 | 0 | 0.0% |
| SHEKEL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 8,656 | 3,843 | 125.24% | 0 | 0 | 0.0% | 38,404 | 18,898 | 103.2% |
| SWISS FRANC | 0 | 0 | 0.0% | 695,845 | 769,279 | -9.55% | 0 | 0 | 0.0% | 5,440,395 | 5,158,302 | 5.5% |
| TURKISH LIRA | 0 | 0 | 0.0% | 5 | 0 | 0.00% | 0 | 0 | 0.0% | 10 | 12 | -16.7% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------------|----------------------------|----------------------------|----------|------------------|------------------|---------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| FX Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 600 | 1,408 | -57.4% | 136,271 | 148,084 | -7.98% | 600 | 5,746 | -89.6% | 1,126,196 | 962,730 | 17.0% |
| AUSTRALIAN DLR (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 2,674 | -100.0% | 0 | 200,250 | -100.0% |
| BRITISH POUND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 693 | -100.0% | 0 | 462,114 | -100.0% |
| BRITISH POUND (EU) | 0 | 0 | 0.0% | 3 | 881 | -99.66% | 0 | 0 | 0.0% | 275 | 2,646 | -89.6% |
| CAD/USD PQO 2pm Fix | 136 | 26 | 423.1% | 157,790 | 244,734 | -35.53% | 2,101 | 4,121 | -49.0% | 1,445,247 | 1,205,895 | 19.8% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 4,597 | -100.0% | 0 | 183,080 | -100.0% |
| CANADIAN DOLLAR (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 63 | 111 | -43.2% |
| CHF/USD PQO 2pm Fix | 0 | 0 | 0.0% | 1,488 | 2,829 | -47.40% | 0 | 0 | 0.0% | 26,047 | 22,314 | 16.7% |
| EFX/JY CROSS RATES | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| EURO FX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 8,535 | -100.0% | 0 | 1,287,538 | -100.0% |
| EURO FX (EU) | 0 | 0 | 0.0% | 3 | 7 | -57.14% | 0 | 0 | 0.0% | 59 | 443 | -86.7% |
| EUR/USD PQO 2pm Fix | 1,350 | 3,564 | -62.1% | 559,671 | 874,685 | -36.01% | 12,947 | 24,505 | -47.2% | 6,801,368 | 5,426,501 | 25.3% |
| GBP/USD PQO 2pm Fix | 56 | 2,054 | -97.3% | 292,478 | 355,095 | -17.63% | 632 | 4,688 | -86.5% | 2,261,706 | 1,720,859 | 31.4% |
| JAPANESE YEN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 8,468 | -100.0% | 0 | 544,469 | -100.0% |
| JAPANESE YEN (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 180 | -100.0% |
| JPY/USD PQO 2pm Fix | 395 | 2,638 | -85.0% | 178,122 | 362,722 | -50.89% | 4,438 | 33,173 | -86.6% | 2,283,605 | 2,292,365 | -0.4% |
| MEXICAN PESO | 1,200 | 21 | 5,614.3% | 730 | 99 | 637.37% | 5,288 | 770 | 586.8% | 13,288 | 20,470 | -35.1% |
| RUSSIAN RUBLE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SWISS FRANC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 5,710 | -100.0% |
| SWISS FRANC (EU) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 15 | -100.0% |
| Ags Futures | | | | | | | | | | | | |
| FERTILIZER PRODUCTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Foreign Exchange Futures | | | | | | | | | | | | |
| CHILEAN PESO | 0 | 0 | 0.0% | 493 | 2,904 | -83.02% | 0 | 0 | 0.0% | 11,841 | 14,380 | -17.7% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|---------------------------------|----------------------------|----------------------------|--------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| Foreign Exchange Options | | | | | | | | | | | | |
| AUD/USD PQO 2pm Fix | 0 | - | - | 1,252 | - | | 0 | - | - | 7,928 | - | - |
| Ag Products Futures | | | | | | | | | | | | |
| BUTTER CS | 0 | 0 | 0.0% | 3,986 | 3,673 | 8.52% | 0 | 0 | 0.0% | 37,744 | 28,245 | 33.6% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 8,490 | 9,515 | -10.77% | 0 | 0 | 0.0% | 89,206 | 87,455 | 2.0% |
| CAT EURO SEASONAL STRIP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 984 | 1,084 | -9.2% | 1,431,849 | 1,358,632 | 5.39% | 11,865 | 32,141 | -63.1% | 12,432,759 | 12,379,565 | 0.4% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 25 | -100.0% |
| CHI WHEAT | 10,049 | 5,024 | 100.0% | 2,056,784 | 1,875,927 | 9.64% | 129,920 | 143,776 | -9.6% | 29,483,808 | 25,887,128 | 13.9% |
| CLASS IV MILK | 0 | 0 | 0.0% | 511 | 542 | -5.72% | 0 | 67 | -100.0% | 5,261 | 9,099 | -42.2% |
| COCOA TAS | 0 | 0 | 0.0% | 0 | 2 | -100.00% | 0 | 0 | 0.0% | 5 | 83 | -94.0% |
| COFFEE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 40 | -100.0% |
| CORN | 18,705 | 24,678 | -24.2% | 5,403,997 | 4,414,574 | 22.41% | 311,358 | 307,019 | 1.4% | 73,945,803 | 66,975,572 | 10.4% |
| COTTON | 0 | 0 | 0.0% | 9 | 1 | 800.00% | 0 | 0 | 0.0% | 13 | 16 | -18.8% |
| DJ_UBS ROLL SELECT INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DOW-UBS COMMOD INDEX | 0 | 0 | 0.0% | 87,065 | 186,314 | -53.27% | 0 | 0 | 0.0% | 718,178 | 734,841 | -2.3% |
| DRY WHEY | 0 | 0 | 0.0% | 1,517 | 1,232 | 23.13% | 0 | 0 | 0.0% | 11,679 | 16,169 | -27.8% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 293,434 | 319,319 | -8.11% | 17 | 455 | -96.3% | 2,739,267 | 2,687,611 | 1.9% |
| FERTILIZER PRODUCTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 29,492 | 31,886 | -7.51% | 0 | 0 | 0.0% | 280,356 | 305,894 | -8.3% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 278 | 346 | -19.65% | 0 | 0 | 0.0% | 616 | 1,048 | -41.2% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 55 | 50 | 10.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| HOGS | 1,550 | 2,153 | -28.0% | 1,239,627 | 1,112,382 | 11.44% | 13,233 | 25,041 | -47.2% | 10,362,854 | 8,393,920 | 23.5% |
| HOUSING INDEX | 0 | 0 | 0.0% | 2 | 22 | -90.91% | 0 | 0 | 0.0% | 67 | 122 | -45.1% |
| Intercommodity Spread | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| KC WHEAT | 581 | 67 | 767.2% | 721,736 | 617,140 | 16.95% | 10,950 | 9,622 | 13.8% | 12,004,219 | 9,381,932 | 28.0% |
| LUMBER | 0 | 0 | 0.0% | 14,116 | 15,795 | -10.63% | 0 | 0 | 0.0% | 168,067 | 145,199 | 15.7% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|-----------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 44 | -100.0% | 22,004 | 22,352 | -1.56% | 1,182 | 960 | 23.1% | 204,949 | 243,177 | -15.7% |
| MINI CORN | 0 | 0 | 0.0% | 7,914 | 5,318 | 48.82% | 0 | 0 | 0.0% | 91,835 | 88,878 | 3.3% |
| MINI SOYBEAN | 0 | 0 | 0.0% | 13,212 | 14,178 | -6.81% | 0 | 0 | 0.0% | 203,476 | 143,642 | 41.7% |
| MINI WHEAT | 0 | 0 | 0.0% | 5,750 | 4,045 | 42.15% | 0 | 0 | 0.0% | 71,882 | 56,266 | 27.8% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NFD MILK | 0 | 0 | 0.0% | 4,143 | 4,848 | -14.54% | 43 | 14 | 207.1% | 46,006 | 44,100 | 4.3% |
| OATS | 0 | 0 | 0.0% | 8,011 | 7,175 | 11.65% | 40 | 80 | -50.0% | 120,389 | 115,982 | 3.8% |
| PALM OIL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ROUGH RICE | 18 | 0 | 0.0% | 11,175 | 13,201 | -15.35% | 26 | 0 | 0.0% | 162,055 | 191,159 | -15.2% |
| SOYBEAN | 12,375 | 19,599 | -36.9% | 2,992,068 | 3,454,240 | -13.38% | 138,128 | 135,905 | 1.6% | 42,913,019 | 37,616,928 | 14.1% |
| SOYBEAN MEAL | 2,654 | 1,159 | 129.0% | 2,260,500 | 1,861,473 | 21.44% | 33,991 | 20,377 | 66.8% | 23,794,669 | 18,409,561 | 29.3% |
| SOYBEAN OIL | 1,430 | 3,859 | -62.9% | 2,323,476 | 2,386,243 | -2.63% | 13,627 | 33,804 | -59.7% | 22,805,980 | 21,717,146 | 5.0% |
| S&P GSCI ENHANCED ER SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SUGAR 11 | 0 | 0 | 0.0% | 0 | 2 | -100.00% | 0 | 0 | 0.0% | 58 | 42 | 38.1% |
| USD CRUDE PALM OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WHEAT | 0 | 0 | 0.0% | 0 | 119 | -100.00% | 0 | 0 | 0.0% | 22 | 118,880 | -100.0% |
| Ag Products Options | | | | | | | | | | | | |
| AUG-DEC SOYBEAN MEAL CS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| AUG-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 103 | -100.0% | 0 | 0 | 0.0% |
| BUTTER CS | 1,410 | 1,819 | -22.5% | 5,166 | 1,579 | 227.17% | 10,314 | 9,791 | 5.3% | 27,032 | 5,076 | 432.5% |
| CASH-SETTLED CHEESE | 2,616 | 9,875 | -73.5% | 7,016 | 6,678 | 5.06% | 22,282 | 39,876 | -44.1% | 66,096 | 32,064 | 106.1% |
| CATTLE | 32,350 | 38,217 | -15.4% | 161,634 | 160,809 | 0.51% | 247,149 | 459,100 | -46.2% | 1,910,644 | 1,729,680 | 10.5% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CHI WHEAT | 148,616 | 96,399 | 54.2% | 552,264 | 338,507 | 63.15% | 1,708,077 | 1,414,209 | 20.8% | 5,883,033 | 4,709,405 | 24.9% |
| CLASS IV MILK | 57 | 153 | -62.7% | 1,048 | 1,328 | -21.08% | 749 | 2,488 | -69.9% | 9,551 | 13,092 | -27.0% |
| CORN | 330,647 | 411,601 | -19.7% | 1,386,591 | 1,250,149 | 10.91% | 5,342,405 | 5,585,111 | -4.3% | 15,755,955 | 14,102,540 | 11.7% |
| CORN NEARBY+2 CAL SPRD | 5,350 | 50 | 10,600.0% | 0 | 0 | 0.00% | 22,268 | 13,758 | 61.9% | 100 | 77 | 29.9% |
| DEC-DEC CORN CAL SPRD | 1,604 | 2,621 | -38.8% | 0 | 28 | -100.00% | 15,742 | 11,786 | 33.6% | 0 | 274 | -100.0% |
| DEC-JULY CORN CAL SPRD | 2,480 | 3,130 | -20.8% | 0 | 0 | 0.00% | 15,924 | 32,748 | -51.4% | 0 | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|---------|------------------|------------------|-----------|------------------------------|------------------------------|----------|--------------------|-----------------------|----------|
| Ag Products Options | | | | | | | | | | | | |
| DEC-JULY WHEAT CAL SPRD | 1,550 | 699 | 121.7% | 0 | 0 | 0.00% | 1,694 | 924 | 83.3% | 0 | 0 | 0.0% |
| DRY WHEY | 6 | 267 | -97.8% | 842 | 51 | 1,550.98% | 1,355 | 2,592 | -47.7% | 4,561 | 1,227 | 271.7% |
| FEEDER CATTLE | 965 | 6,697 | -85.6% | 23,438 | 29,065 | -19.36% | 17,778 | 39,630 | -55.1% | 249,866 | 271,882 | -8.1% |
| HDD EURO SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HDD WEATHER EUROPEAN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HOGS | 21,158 | 34,600 | -38.8% | 231,808 | 244,127 | -5.05% | 241,844 | 269,835 | -10.4% | 1,870,688 | 1,649,449 | 13.4% |
| HOUSING INDEX | 0 | 0 | 0.0% | 0 | 7 | -100.00% | 0 | 0 | 0.0% | 0 | 42 | -100.0% |
| Intercommodity Spread | 560 | 0 | 0.0% | 0 | 0 | 0.00% | 9,819 | 701 | 1,300.7% | 0 | 0 | 0.0% |
| JAN-MAY SOYBEAN CAL SPRD | 0 | 36 | -100.0% | 0 | 0 | 0.00% | 0 | 36 | -100.0% | 0 | 0 | 0.0% |
| JULY-DEC CORN CAL SPRD | 200 | 0 | 0.0% | 0 | 0 | 0.00% | 10,146 | 17,402 | -41.7% | 100 | 0 | 0.0% |
| JULY-DEC SOYMEAL CAL SPR | 0 | - | - | 0 | - | - | 1,200 | - | - | 0 | - | - |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 630 | -100.0% | 0 | 10 | -100.0% |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 1,965 | 1,414 | 39.0% | 455 | 200 | 127.5% |
| JULY-JULY WHEAT CAL SPRD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| JULY-NOV SOYBEAN CAL SPR | 3,770 | 0 | 0.0% | 15 | 0 | 0.00% | 53,243 | 69,340 | -23.2% | 2,598 | 1,317 | 97.3% |
| KC WHEAT | 33,470 | 6,821 | 390.7% | 39,921 | 14,962 | 166.82% | 317,627 | 139,980 | 126.9% | 524,642 | 301,220 | 74.2% |
| LUMBER | 5 | 2 | 150.0% | 1,384 | 1,190 | 16.30% | 216 | 42 | 414.3% | 15,381 | 10,087 | 52.5% |
| LV CATL CSO | 169 | 652 | -74.1% | 0 | 0 | 0.00% | 282 | 1,919 | -85.3% | 0 | 0 | 0.0% |
| MAR-JULY CORN CAL SPRD | 0 | 70 | -100.0% | 0 | 0 | 0.00% | 0 | 70 | -100.0% | 0 | 0 | 0.0% |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 200 | 1,293 | -84.5% | 0 | 76 | -100.0% |
| MILK | 3,552 | 7,484 | -52.5% | 33,284 | 22,682 | 46.74% | 56,078 | 106,336 | -47.3% | 252,241 | 210,691 | 19.7% |
| MLK MID OPTIONS | 12 | 25 | -52.0% | 0 | 0 | 0.00% | 387 | 526 | -26.4% | 27 | 0 | 0.0% |
| NFD MILK | 236 | 879 | -73.2% | 4,408 | 2,703 | 63.08% | 7,804 | 12,696 | -38.5% | 37,043 | 23,577 | 57.1% |
| NOV-JULY SOYBEAN CAL SPR | 0 | 550 | -100.0% | 0 | 0 | 0.00% | 1 | 1,696 | -99.9% | 0 | 0 | 0.0% |
| NOV-MAR SOYBEAN CSO | 0 | - | - | 0 | - | - | 130 | - | - | 0 | - | - |
| NOV-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 118 | 121 | -2.5% | 0 | 0 | 0.0% |
| OATS | 126 | 425 | -70.4% | 524 | 428 | 22.43% | 1,056 | 5,201 | -79.7% | 2,987 | 6,170 | -51.6% |
| ROUGH RICE | 1,170 | 1,326 | -11.8% | 625 | 1,687 | -62.95% | 6,550 | 9,927 | -34.0% | 7,730 | 9,398 | -17.7% |
| SEP-DEC SOYBEAN MEAL CSC | 0 | - | - | 0 | - | - | 1,170 | - | - | 0 | - | - |
| SOYBEAN | 161,848 | 278,973 | -42.0% | 917,790 | 1,124,494 | -18.38% | 2,780,857 | 2,776,425 | 0.2% | 12,460,660 | 10,584,822 | 17.7% |
| SOYBEAN CRUSH | 0 | 75 | -100.0% | 0 | 0 | 0.00% | 185 | 620 | -70.2% | 0 | 0 | 0.0% |
| SOYBEAN MEAL | 58,893 | 39,874 | 47.7% | 138,213 | 86,861 | 59.12% | 947,087 | 497,941 | 90.2% | 1,783,723 | 1,105,838 | 61.3% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|-----------------------|--------------|
| Ag Products Options | | | | | | | | | | | | |
| SOYBEAN OIL | 43,625 | 59,972 | -27.3% | 86,829 | 73,640 | 17.91% | 322,100 | 738,026 | -56.4% | 709,458 | 841,629 | -15.7% |
| SOYBN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 10 | 460 | -97.8% | 0 | 600 | -100.0% |
| SOYMEAL NEARBY+2 CAL SPR | 2,540 | 0 | 0.0% | 0 | 0 | 0.00% | 5,190 | 0 | 0.0% | 0 | 0 | 0.0% |
| WHEAT | 270 | 0 | 0.0% | 7 | 0 | 0.00% | 2,910 | 997 | 191.9% | 310 | 427 | -27.4% |
| WHEAT-CORN ICSD | 15 | 0 | 0.0% | 0 | 0 | 0.00% | 5,135 | 5,335 | -3.7% | 0 | 6 | -100.0% |
| WHEAT NEARBY+2 CAL SPRD | 160 | 1,900 | -91.6% | 140 | 100 | 40.00% | 8,192 | 9,826 | -16.6% | 4,471 | 3,522 | 26.9% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 844,837 | 752,291 | 12.3% | 116,333,483 | 114,351,595 | 1.7% | 8,962,747 | 7,056,900 | 27.0% | 1,318,438,252 | 1,111,386,717 | 18.6% |
| Equity Index Futures | 79,508 | 135,054 | -41.1% | 51,264,044 | 47,257,532 | 8.5% | 394,040 | 665,109 | -40.8% | 460,822,011 | 375,827,931 | 22.6% |
| Metals Futures | 0 | 0 | 0.0% | 10,096,697 | 11,689,694 | -13.6% | 0 | 0 | 0.0% | 111,659,717 | 91,934,975 | 21.5% |
| Energy Futures | 0 | 0 | 0.0% | 39,291,111 | 44,486,705 | -11.7% | 0 | 0 | 0.0% | 394,489,280 | 395,306,708 | -0.2% |
| FX Futures | 9 | 404 | -97.8% | 19,851,504 | 22,706,075 | -12.6% | 693 | 15,830 | -95.6% | 176,404,223 | 154,995,164 | 13.8% |
| Ags Futures | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Foreign Exchange Futures | 0 | 0 | 0.0% | 493 | 2,904 | -83.0% | 0 | 0 | 0.0% | 11,841 | 14,380 | -17.7% |
| Ag Products Futures | 48,346 | 57,667 | -16.2% | 18,941,146 | 17,720,496 | 6.9% | 664,380 | 709,261 | -6.3% | 232,694,297 | 205,779,825 | 13.1% |
| TOTAL FUTURES | 972,700 | 945,416 | 2.9% | 255,778,478 | 258,215,001 | -0.9% | 10,021,860 | 8,447,100 | 18.6% | 2,694,519,621 | 2,335,245,700 | 15.4% |
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 720,338 | 1,109,931 | -35.1% | 11,064,134 | 11,795,462 | -6.2% | 9,037,801 | 9,887,417 | -8.6% | 137,597,071 | 116,027,283 | 18.6% |
| Interest Rate Options | 17,353,599 | 18,486,862 | -6.1% | 22,081,887 | 25,564,929 | -13.6% | 190,970,609 | 179,936,195 | 6.1% | 225,499,309 | 197,186,671 | 14.4% |
| Metals Options | 0 | 0 | 0.0% | 733,994 | 974,239 | -24.7% | 0 | 0 | 0.0% | 8,549,943 | 7,070,017 | 20.9% |
| Energy Options | 0 | 0 | 0.0% | 4,287,065 | 3,610,310 | 18.7% | 0 | 0 | 0.0% | 38,236,641 | 38,322,491 | -0.2% |
| FX Options | 3,737 | 9,711 | -61.5% | 1,326,556 | 1,989,136 | -33.3% | 26,006 | 97,970 | -73.5% | 13,957,854 | 14,337,692 | -2.6% |
| Ag Products Options | 859,430 | 1,005,192 | -14.5% | 3,592,947 | 3,361,075 | 6.9% | 12,187,239 | 12,280,911 | -0.8% | 41,579,352 | 35,614,398 | 16.7% |
| Foreign Exchange Options | 0 | - | - | 1,252 | - | - | 0 | - | - | 7,928 | - | - |
| TOTAL OPTIONS | 18,937,104 | 20,611,696 | -8.1% | 43,087,835 | 47,295,151 | -8.9% | 212,221,655 | 202,202,493 | 5.0% | 465,428,098 | 408,558,552 | 13.9% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry SEP 2018 | Open Outcry SEP 2017 | % CHG | ELEC SEP 2018 | ELEC SEP 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG |
|-----------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|-------------|----------------------|-----------------------|--------------|
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 18,198,436 | 19,239,153 | -5.4% | 138,415,370 | 139,916,524 | -1.1% | 199,933,356 | 186,993,095 | 6.9% | 1,543,937,561 | 1,308,573,388 | 18.0% |
| Equity Index | 799,846 | 1,244,985 | -35.8% | 62,328,178 | 59,052,994 | 5.5% | 9,431,841 | 10,552,526 | -10.6% | 598,419,082 | 491,855,214 | 21.7% |
| Metals | 0 | 0 | 0.0% | 10,830,691 | 12,663,933 | -14.5% | 0 | 0 | 0.0% | 120,209,660 | 99,004,992 | 21.4% |
| Energy | 0 | 0 | 0.0% | 43,578,176 | 48,097,015 | -9.4% | 0 | 0 | 0.0% | 432,725,921 | 433,629,199 | -0.2% |
| FX | 3,746 | 10,115 | -63.0% | 21,178,060 | 24,695,211 | -14.2% | 26,699 | 113,800 | -76.5% | 190,362,077 | 169,332,856 | 12.4% |
| Ags | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| Foreign Exchange | 0 | 0 | 0.0% | 1,745 | 2,904 | -39.9% | 0 | 0 | 0.0% | 19,769 | 14,380 | 37.5% |
| Ag Products | 907,776 | 1,062,859 | -14.6% | 22,534,093 | 21,081,571 | 6.9% | 12,851,619 | 12,990,172 | -1.1% | 274,273,649 | 241,394,223 | 13.6% |
| GRAND TOTAL | 19,909,804 | 21,557,112 | -7.6% | 298,866,313 | 305,510,152 | -2.2% | 222,243,515 | 210,649,593 | 5.5% | 3,159,947,719 | 2,743,804,252 | 15.2% |

*** Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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