

CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|------------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 10-YR Eris LIBOR | 0 | 0 | 0.0% | 2,705 | 940 | 187.77% | 0 | 0 | 0.0% | 21,171 | 8,727 | 142.6% |
| 10-YR Eris SOFR | 0 | 0 | 0.0% | 0 | 30 | -100.00% | 0 | 0 | 0.0% | 100 | 90 | 11.1% |
| 10-YR MAC LIBOR | 0 | 0 | 0.0% | 7,626 | 32,735 | -76.70% | 0 | 0 | 0.0% | 95,744 | 291,285 | -67.1% |
| 10-YR NOTE | 0 | 0 | 0.0% | 46,613,275 | 46,900,995 | -0.61% | 0 | 0 | 0.0% | 207,440,158 | 207,601,729 | -0.1% |
| 10Y YIELD | 0 | - | - | 62,443 | - | - | 0 | - | - | 534,292 | - | - |
| 15-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 1-MONTH EURODOLLAR | 0 | 0 | 0.0% | 170 | 0 | 0.00% | 0 | 0 | 0.0% | 227 | 0 | 0.0% |
| 1-YR Eris BSBY | 0 | - | - | 400 | - | - | 0 | - | - | 700 | - | - |
| 1-YR Eris SOFR | 0 | 0 | 0.0% | 13,571 | 74,550 | -81.80% | 0 | 0 | 0.0% | 149,939 | 380,918 | -60.6% |
| 20-YR BOND | 0 | - | - | 4,199 | - | - | 0 | - | - | 17,886 | - | - |
| 20-YR SWAP RATE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 2-YR Eris LIBOR | 0 | 0 | 0.0% | 8,063 | 1,391 | 479.65% | 0 | 0 | 0.0% | 51,894 | 4,796 | 982.0% |
| 2-YR Eris SOFR | 0 | 0 | 0.0% | 8,518 | 3,772 | 125.82% | 0 | 0 | 0.0% | 66,071 | 13,638 | 384.5% |
| 2-YR NOTE | 0 | 0 | 0.0% | 19,260,262 | 13,124,919 | 46.75% | 0 | 0 | 0.0% | 71,011,808 | 45,632,198 | 55.6% |
| 2Y YIELD | 0 | - | - | 7,153 | - | - | 0 | - | - | 39,002 | - | - |
| 30-YR BOND | 0 | 0 | 0.0% | 10,697,232 | 11,515,482 | -7.11% | 0 | 0 | 0.0% | 43,668,225 | 50,659,625 | -13.8% |
| 30-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 185 | 0 | 0.0% |
| 30-YR SWAP RATE | 0 | - | - | 0 | - | - | 0 | - | - | 304 | - | - |
| 30Y YIELD | 0 | - | - | 14,667 | - | - | 0 | - | - | 57,904 | - | - |
| 3-YR Eris BSBY | 0 | - | - | 0 | - | - | 0 | - | - | 4 | - | - |
| 3-YR Eris LIBOR | 0 | 0 | 0.0% | 2,130 | 1,375 | 54.91% | 0 | 0 | 0.0% | 39,319 | 8,642 | 355.0% |
| 3-YR Eris SOFR | 0 | 0 | 0.0% | 2,737 | 570 | 380.18% | 0 | 0 | 0.0% | 17,523 | 4,983 | 251.7% |
| 3-YR NOTE | 0 | 0 | 0.0% | 319,488 | 180,496 | 77.01% | 0 | 0 | 0.0% | 1,698,043 | 869,404 | 95.3% |
| 4-YR Eris LIBOR | 0 | 0 | 0.0% | 1,734 | 1,528 | 13.48% | 0 | 0 | 0.0% | 22,254 | 5,234 | 325.2% |
| 4-YR Eris SOFR | 0 | 0 | 0.0% | 601 | 130 | 362.31% | 0 | 0 | 0.0% | 3,101 | 2,010 | 54.3% |
| 5-YR Eris LIBOR | 0 | 0 | 0.0% | 10,727 | 11,445 | -6.27% | 0 | 0 | 0.0% | 122,091 | 120,984 | 0.9% |
| 5-YR Eris SOFR | 0 | 0 | 0.0% | 3,821 | 120 | 3,084.17% | 0 | 0 | 0.0% | 11,588 | 1,325 | 774.6% |
| 5-YR MAC LIBOR | 0 | 0 | 0.0% | 15,910 | 27,124 | -41.34% | 0 | 0 | 0.0% | 145,569 | 251,643 | -42.2% |
| 5-YR NOTE | 0 | 0 | 0.0% | 36,080,590 | 29,356,649 | 22.90% | 0 | 0 | 0.0% | 144,865,300 | 120,536,005 | 20.2% |
| 5Y YIELD | 0 | - | - | 1,394 | - | - | 0 | - | - | 11,955 | - | - |
| 7-YR Eris LIBOR | 0 | 0 | 0.0% | 2,113 | 2,435 | -13.22% | 0 | 0 | 0.0% | 14,429 | 11,700 | 23.3% |
| 7-YR Eris SOFR | 0 | - | - | 150 | - | - | 0 | - | - | 150 | - | - |
| BSBY 3-MONTH FUTURES | 0 | - | - | 59,866 | - | - | 0 | - | - | 422,570 | - | - |

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|------------------------------|----------------------------|----------------------------|------------|------------------|------------------|-----------|------------------------------|------------------------------|------------|--------------------|-----------------------|------------|
| Interest Rate Futures | | | | | | | | | | | | |
| EURODOLLARS | 318,838 | 324,122 | -1.6% | 30,472,977 | 40,315,125 | -24.41% | 3,474,839 | 2,037,375 | 70.6% | 228,570,994 | 239,473,585 | -4.6% |
| FED FUND | 0 | 0 | 0.0% | 5,362,936 | 1,588,722 | 237.56% | 0 | 0 | 0.0% | 36,095,118 | 9,297,330 | 288.2% |
| SOFR | 17,887 | 0 | 0.0% | 30,820,084 | 2,283,266 | 1,249.82% | 68,587 | 0 | 0.0% | 132,644,567 | 11,221,046 | 1,082.1% |
| SONIA | 0 | 0 | 0.0% | 0 | 87,840 | -100.00% | 0 | 0 | 0.0% | 1,046 | 642,219 | -99.8% |
| TIIE | 0 | 0 | 0.0% | 23 | 50 | -54.00% | 0 | 0 | 0.0% | 466 | 50 | 832.0% |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 9,795,042 | 9,844,419 | -0.50% | 0 | 0 | 0.0% | 43,001,738 | 38,884,447 | 10.6% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 7,341,717 | 6,476,151 | 13.37% | 0 | 0 | 0.0% | 25,248,502 | 24,535,562 | 2.9% |
| Interest Rate Options | | | | | | | | | | | | |
| 10-YR NOTE | 0 | 0 | 0.0% | 12,161,947 | 13,967,762 | -12.93% | 0 | 0 | 0.0% | 67,523,128 | 69,644,278 | -3.0% |
| 2-YR NOTE | 0 | 0 | 0.0% | 18,178 | 2,416 | 652.40% | 0 | 0 | 0.0% | 110,010 | 69,317 | 58.7% |
| 30-YR BOND | 0 | 0 | 0.0% | 2,696,988 | 2,095,967 | 28.68% | 0 | 0 | 0.0% | 12,713,435 | 13,752,716 | -7.6% |
| 5-YR NOTE | 0 | 0 | 0.0% | 4,330,371 | 2,514,220 | 72.24% | 0 | 0 | 0.0% | 26,160,719 | 15,452,168 | 69.3% |
| EURODOLLARS | 6,918,416 | 2,607,200 | 165.4% | 2,655,028 | 1,396,962 | 90.06% | 49,756,298 | 13,897,621 | 258.0% | 19,961,303 | 7,185,212 | 177.8% |
| EURO MIDCURVE | 4,275,541 | 9,705,825 | -55.9% | 2,213,365 | 4,197,137 | -47.26% | 31,998,044 | 50,713,552 | -36.9% | 16,190,922 | 26,302,195 | -38.4% |
| FED FUND | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 42 | 0 | 0.0% |
| SOFR | 2,017,626 | 1,100 | 183,320.5% | 525,919 | 500 | ##### | 3,561,092 | 3,100 | 114,773.9% | 756,908 | 1,230 | 61,437.2% |
| SOFR MIDCURVE | 549,852 | 0 | 0.0% | 90,411 | 0 | 0.00% | 1,669,393 | 0 | 0.0% | 362,485 | 50 | 724,870.0% |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 193 | 0 | 0.00% | 0 | 0 | 0.0% | 741 | 0 | 0.0% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 2,165 | 517 | 318.76% | 0 | 0 | 0.0% | 15,839 | 2,674 | 492.3% |
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN | 0 | 0 | 0.0% | 240,374 | 231,280 | 3.93% | 0 | 0 | 0.0% | 899,427 | 1,247,468 | -27.9% |
| DJ US REAL ESTATE | 0 | 0 | 0.0% | 28,892 | 19,688 | 46.75% | 0 | 0 | 0.0% | 165,526 | 150,113 | 10.3% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 4,265,315 | 3,433,289 | 24.23% | 0 | 0 | 0.0% | 22,879,833 | 18,788,747 | 21.8% |
| E-MINI COM SERVICES SELEC | 0 | 0 | 0.0% | 3,368 | 2,410 | 39.75% | 0 | 0 | 0.0% | 15,482 | 13,141 | 17.8% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 417 | 0 | 0.00% | 0 | 0 | 0.0% | 6,087 | 0 | 0.0% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 275,047 | 211,311 | 30.16% | 0 | 0 | 0.0% | 1,677,588 | 1,211,688 | 38.5% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 15,645,484 | 10,501,741 | 48.98% | 0 | 0 | 0.0% | 73,695,661 | 57,749,944 | 27.6% |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|-----------|
| Equity Index Futures | | | | | | | | | | | | |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 2,510 | 3,808 | -34.09% | 0 | 0 | 0.0% | 15,469 | 15,311 | 1.0% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 2,943 | 1,132 | 159.98% | 0 | 0 | 0.0% | 26,479 | 12,008 | 120.5% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 4,533 | 3,235 | 40.12% | 0 | 0 | 0.0% | 33,835 | 40,612 | -16.7% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 4,925,297 | 3,498,342 | 40.79% | 0 | 0 | 0.0% | 25,239,084 | 20,307,678 | 24.3% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 42,178,038 | 32,374,658 | 30.28% | 0 | 0 | 0.0% | 194,450,907 | 171,346,027 | 13.5% |
| E-MINI S&P500 ESG | 0 | 0 | 0.0% | 11,906 | 11,824 | 0.69% | 0 | 0 | 0.0% | 139,497 | 68,300 | 104.2% |
| E-MINI S&P REAL ESTATE SEL | 0 | 0 | 0.0% | 2,449 | 2,789 | -12.19% | 0 | 0 | 0.0% | 18,005 | 15,841 | 13.7% |
| ETHER FUTURES | 0 | 0 | 0.0% | 136,058 | 117,817 | 15.48% | 0 | 0 | 0.0% | 540,329 | 197,017 | 174.3% |
| FT-SE 100 | 0 | 0 | 0.0% | 245 | 4 | 6,025.00% | 0 | 0 | 0.0% | 1,137 | 8 | 14,112.5% |
| FTSE Emerging | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 5 | -100.0% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 54 | 88 | -38.64% | 0 | 0 | 0.0% | 340 | 1,043 | -67.4% |
| MICRO BITCOIN | 0 | 0 | 0.0% | 473,453 | 605,921 | -21.86% | 0 | 0 | 0.0% | 2,002,604 | 605,921 | 230.5% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 36,898,456 | 20,783,449 | 77.54% | 0 | 0 | 0.0% | 162,683,834 | 105,899,406 | 53.6% |
| MICRO E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 3,759,964 | 2,939,895 | 27.89% | 0 | 0 | 0.0% | 16,863,431 | 17,134,486 | -1.6% |
| MICRO E-MINI S&P500 | 0 | 0 | 0.0% | 32,902,509 | 18,620,138 | 76.70% | 0 | 0 | 0.0% | 141,190,858 | 99,347,226 | 42.1% |
| MICRO ETHER | 0 | - | - | 546,231 | - | - | 0 | - | - | 2,122,115 | - | - |
| MICRO MINI \$5 DOW | 0 | 0 | 0.0% | 4,583,217 | 2,432,864 | 88.39% | 0 | 0 | 0.0% | 22,305,451 | 14,089,462 | 58.3% |
| NASDAQ-100 VOLATILITY | 0 | 0 | 0.0% | 2,791 | 22 | 12,586.36% | 0 | 0 | 0.0% | 16,936 | 32 | 52,825.0% |
| NASDAQ BIOTECH | 0 | 0 | 0.0% | 53 | 438 | -87.90% | 0 | 0 | 0.0% | 631 | 2,724 | -76.8% |
| Nearby BTIC+ | 0 | 0 | 0.0% | 250 | 0 | 0.00% | 0 | 0 | 0.0% | 2,600 | 104 | 2,400.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 114,518 | 101,536 | 12.79% | 0 | 0 | 0.0% | 633,260 | 646,542 | -2.1% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 750,606 | 587,269 | 27.81% | 0 | 0 | 0.0% | 4,167,581 | 3,233,213 | 28.9% |
| S&P 500 | 0 | 0 | 0.0% | 1,336 | 1,825 | -26.79% | 0 | 0 | 0.0% | 1,746 | 11,379 | -84.7% |
| S&P 500 ANNUAL DIVIDEND IN | 0 | 0 | 0.0% | 41,694 | 17,364 | 140.12% | 0 | 0 | 0.0% | 160,602 | 73,327 | 119.0% |
| S&P 500/GI | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| S&P 500 QUARLY DIVIDEND IN | 0 | 0 | 0.0% | 2,344 | 60 | 3,806.67% | 0 | 0 | 0.0% | 3,271 | 507 | 545.2% |
| S&P 600 SMALLCAP EMINI | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| S&P CONSUMER DSCRTNRY S | 0 | 0 | 0.0% | 4,060 | 7,346 | -44.73% | 0 | 0 | 0.0% | 34,487 | 55,209 | -37.5% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 18,211 | 8,631 | 111.00% | 0 | 0 | 0.0% | 73,459 | 71,366 | 2.9% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 34,025 | 20,877 | 62.98% | 0 | 0 | 0.0% | 198,625 | 135,844 | 46.2% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 21,823 | 17,234 | 26.63% | 0 | 0 | 0.0% | 117,122 | 153,718 | -23.8% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 20,110 | 9,490 | 111.91% | 0 | 0 | 0.0% | 92,124 | 63,852 | 44.3% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 11,867 | 6,684 | 77.54% | 0 | 0 | 0.0% | 64,332 | 43,530 | 47.8% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 8,503 | 5,388 | 57.81% | 0 | 0 | 0.0% | 36,415 | 40,056 | -9.1% |

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| Equity Index Futures | | | | | | | | | | | | |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 15,059 | 7,934 | 89.80% | 0 | 0 | 0.0% | 97,042 | 54,843 | 76.9% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 17,127 | 11,684 | 46.59% | 0 | 0 | 0.0% | 85,243 | 68,980 | 23.6% |
| S&P VALUE INDEX FUTURES | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WATER INDEX FUTURES | 0 | 0 | 0.0% | 66 | 68 | -2.94% | 0 | 0 | 0.0% | 546 | 736 | -25.8% |
| YEN DENOMINATED TOPIX | 0 | 0 | 0.0% | 100 | 964 | -89.63% | 0 | 0 | 0.0% | 15,268 | 6,803 | 124.4% |
| Equity Index Options | | | | | | | | | | | | |
| BITCOIN OPTIONS | 0 | 0 | 0.0% | 2,457 | 1,153 | 113.10% | 0 | 0 | 0.0% | 6,501 | 6,348 | 2.4% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 1,900 | 1,808 | 5.09% | 0 | 0 | 0.0% | 11,604 | 8,163 | 42.2% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 1,513,168 | 583,656 | 159.26% | 0 | 0 | 0.0% | 4,917,421 | 2,590,906 | 89.8% |
| E-mini Russell 2000 | 0 | 0 | 0.0% | 108,897 | 70,128 | 55.28% | 0 | 0 | 0.0% | 618,773 | 406,990 | 52.0% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 44,473 | 28,784 | 54.51% | 0 | 0 | 0.0% | 177,528 | 151,711 | 17.0% |
| E-mini S&P 500 | 0 | 0 | 0.0% | 11,555,833 | 7,127,459 | 62.13% | 0 | 0 | 0.0% | 58,007,346 | 32,738,056 | 77.2% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 11,527,897 | 6,440,219 | 79.00% | 0 | 0 | 0.0% | 50,476,803 | 28,336,594 | 78.1% |
| EOM S&P 500 | 0 | 0 | 0.0% | 0 | 40 | -100.00% | 0 | 0 | 0.0% | 0 | 1,340 | -100.0% |
| MICRO BITCOIN | 0 | - | - | 8,534 | - | | 0 | - | - | 12,207 | - | - |
| Micro E-mini Nasdaq-100 | 0 | 0 | 0.0% | 46,026 | 43,105 | 6.78% | 0 | 0 | 0.0% | 259,688 | 116,613 | 122.7% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 13,100 | 8,332 | 57.23% | 0 | 0 | 0.0% | 66,657 | 22,117 | 201.4% |
| Micro E-mini S&P 500 | 0 | 0 | 0.0% | 228,475 | 160,451 | 42.40% | 0 | 0 | 0.0% | 1,250,871 | 679,956 | 84.0% |
| MICRO ETHER | 0 | - | - | 6,554 | - | | 0 | - | - | 9,224 | - | - |
| S&P 500 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 200 | -100.0% |

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| Metals Futures | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 35,046 | 14,421 | 143.02% | 0 | 0 | 0.0% | 88,283 | 38,459 | 129.6% |
| COBALT METAL FUTURES | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 11 | 12 | -8.3% |
| COMEX COPPER | 0 | 0 | 0.0% | 1,337,849 | 2,182,428 | -38.70% | 0 | 0 | 0.0% | 8,301,518 | 11,636,959 | -28.7% |
| COMEX E-Mini GOLD | 0 | 0 | 0.0% | 34,446 | 20,363 | 69.16% | 0 | 0 | 0.0% | 161,148 | 118,246 | 36.3% |
| COMEX E-Mini SILVER | 0 | 0 | 0.0% | 3,709 | 5,330 | -30.41% | 0 | 0 | 0.0% | 20,852 | 39,310 | -47.0% |
| COMEX GOLD | 0 | 0 | 0.0% | 4,810,571 | 6,178,660 | -22.14% | 0 | 0 | 0.0% | 24,054,631 | 26,320,789 | -8.6% |
| COMEX MINY COPPER | 0 | 0 | 0.0% | 3,014 | 4,900 | -38.49% | 0 | 0 | 0.0% | 18,153 | 19,374 | -6.3% |
| COMEX SILVER | 0 | 0 | 0.0% | 1,182,851 | 1,484,756 | -20.33% | 0 | 0 | 0.0% | 6,894,511 | 9,328,148 | -26.1% |
| COPPER | 0 | 0 | 0.0% | 42,917 | 0 | 0.00% | 0 | 0 | 0.0% | 42,917 | 0 | 0.0% |
| FERROUS PRODUCTS | 0 | 0 | 0.0% | 343 | 620 | -44.68% | 0 | 0 | 0.0% | 2,713 | 4,555 | -40.4% |
| GOLD | 0 | 0 | 0.0% | 718 | 3,150 | -77.21% | 0 | 0 | 0.0% | 49,962 | 19,271 | 159.3% |
| HOT ROLLED COIL STEEL FUT | 0 | 0 | 0.0% | 763 | 117 | 552.14% | 0 | 0 | 0.0% | 3,337 | 813 | 310.5% |
| IRON ORE 62 CHINA TSI FUTU | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IRON ORE CHINA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 4 | -100.0% |
| METALS | 0 | 0 | 0.0% | 24 | 0 | 0.00% | 0 | 0 | 0.0% | 51 | 0 | 0.0% |
| MICRO GOLD | 0 | 0 | 0.0% | 988,435 | 1,185,691 | -16.64% | 0 | 0 | 0.0% | 5,964,365 | 6,526,145 | -8.6% |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 3,963 | 3,666 | 8.10% | 0 | 0 | 0.0% | 24,184 | 25,624 | -5.6% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 330,849 | 293,008 | 12.91% | 0 | 0 | 0.0% | 1,970,883 | 1,703,917 | 15.7% |
| PALLADIUM | 0 | 0 | 0.0% | 51,282 | 62,862 | -18.42% | 0 | 0 | 0.0% | 249,637 | 240,653 | 3.7% |
| SILVER | 0 | 0 | 0.0% | 165,072 | 201,252 | -17.98% | 0 | 0 | 0.0% | 883,848 | 1,240,418 | -28.7% |
| URANIUM | 0 | 0 | 0.0% | 0 | 460 | -100.00% | 0 | 0 | 0.0% | 24 | 460 | -94.8% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|-----------|
| Metals Options | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| COMEX COPPER | 0 | 0 | 0.0% | 57,469 | 52,828 | 8.79% | 0 | 0 | 0.0% | 276,104 | 195,292 | 41.4% |
| COMEX GOLD | 0 | 0 | 0.0% | 762,803 | 575,283 | 32.60% | 0 | 0 | 0.0% | 4,014,010 | 3,110,962 | 29.0% |
| COMEX SILVER | 0 | 0 | 0.0% | 122,101 | 126,227 | -3.27% | 0 | 0 | 0.0% | 532,449 | 795,186 | -33.0% |
| COPPER | 0 | 0 | 0.0% | 665 | 23 | 2,791.30% | 0 | 0 | 0.0% | 2,371 | 90 | 2,534.4% |
| GOLD | 0 | 0 | 0.0% | 180,490 | 164,372 | 9.81% | 0 | 0 | 0.0% | 1,030,277 | 795,777 | 29.5% |
| HOT ROLLED COIL STEEL CAL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HOT ROLLED COIL STEEL PUT | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IRON ORE 62 CHINA TSI CALL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IRON ORE 62 CHINA TSI PUT O | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IRON ORE CHINA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 695 | 467 | 48.82% | 0 | 0 | 0.0% | 2,908 | 2,458 | 18.3% |
| PALLADIUM | 0 | 0 | 0.0% | 7 | 146 | -95.21% | 0 | 0 | 0.0% | 97 | 594 | -83.7% |
| SILVER | 0 | 0 | 0.0% | 15,443 | 8,399 | 83.87% | 0 | 0 | 0.0% | 91,578 | 38,101 | 140.4% |
| Energy Futures | | | | | | | | | | | | |
| 3.5% FUEL OIL CID MED SWA | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |
| ARGUS LLS VS. WTI (ARG) T | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 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 | 0.00% | - | 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 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% | 1,188,940 | 1,596,336 | -25.52% | 0 | 0 | 0.0% | 7,977,078 | 10,588,253 | -24.7% |
| CAR VINTAGE | 0 | 0 | 0.0% | 5,176 | 37 | 13,889.19% | 0 | 0 | 0.0% | 18,635 | 161 | 11,474.5% |
| CHICAGO ETHANOL SWAP | 0 | 0 | 0.0% | 13 | 127 | -89.76% | 0 | 0 | 0.0% | 905 | 752 | 20.3% |
| 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% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| CIG BASIS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CIN HUB 5MW D AH PK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CIN HUB 5MW REAL TIME O P | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CIN HUB 5MW REAL TIME PK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| COLUMB GULF MAINLINE NG B | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 24 | -100.0% |
| CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL LAST DAY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 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% | 15,841,121 | 18,718,523 | -15.37% | 0 | 0 | 0.0% | 106,515,593 | 102,997,925 | 3.4% |
| CRUDE OIL SPRDS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DATED TO FRONTLINE BRENT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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% |
| 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 | 0.00% | - | 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% |
| DUTCH TTF NATURAL GAS CA | 0 | 0 | 0.0% | 487 | 61,004 | -99.20% | 0 | 0 | 0.0% | 10,640 | 265,551 | -96.0% |
| 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 FINSETTLED | 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% |
| EMMISSIONS | 0 | - | - | 842 | - | | 0 | - | - | 2,053 | - | - |
| ETHANOL | 0 | 0 | 0.0% | 0 | 84 | -100.00% | 0 | 0 | 0.0% | 0 | 228 | -100.0% |
| ETHANOL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 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% |
| 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 | 0.00% | - | 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% |

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CME Group Exchange Volume Comparison Report - Monthly

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| EUROPE 1% FUEL OIL RDAM C | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% | 664 | 98 | 577.55% | 0 | 0 | 0.0% | 1,496 | 244 | 513.1% |
| 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% |
| 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 | 0.00% | - | 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 0.1CIF MED VS ICE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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% |
| GASOIL 0.1 ROTTERDAM BAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL 10PPM VS ICE SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |
| GERMAN POWER BASELOAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 48 | -100.0% |
| GROUP THREE UNLEAD GAS (| - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 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 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 CALENDAR | 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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL PHY | 0 | 0 | 0.0% | 2,856,768 | 2,694,782 | 6.01% | 0 | 0 | 0.0% | 17,001,208 | 14,805,600 | 14.8% |
| HENRY HUB BASIS SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HENRY HUB FINANCIAL LAST | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HENRY HUB INDEX SWAP FUT | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| HENRY HUB SWAP | 0 | 0 | 0.0% | 2 | 0 | 0.00% | 0 | 0 | 0.0% | 1,238 | 31 | 3,893.5% |
| HOUSTON SHIP CHANNEL BAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HTG OIL | 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% |
| INDIANA MISO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| INDONESIAN COAL ICI4 | 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 CIF NWE VS ICE | 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% |
| JKM LNG Futures | 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 (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% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LLS (ARGUS) VS WTI SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LOS ANGELES CARB GASOLIN | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| LTD NAT GAS | 0 | 0 | 0.0% | 249,143 | 192,452 | 29.46% | 0 | 0 | 0.0% | 1,282,911 | 997,318 | 28.6% |
| 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% | 0 | 0 | 0.0% |
| MARS BLEND CRUDE OIL | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 660 | 1,772 | -62.75% | 0 | 0 | 0.0% | 4,084 | 14,163 | -71.2% |
| MCCLOSKEY RCH BAY COAL | 0 | 0 | 0.0% | 0 | 51 | -100.00% | 0 | 0 | 0.0% | 0 | 81 | -100.0% |
| MGN1 SWAP FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MICHIGAN BASIS | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % 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% | 5 | 5 | 0.00% | 0 | 0 | 0.0% | 38 | 33 | 15.2% |
| MINY NATURAL GAS | 0 | 0 | 0.0% | 432,558 | 63,513 | 581.05% | 0 | 0 | 0.0% | 1,537,054 | 541,736 | 183.7% |
| MINY RBOB GAS | 0 | 0 | 0.0% | 8 | 8 | 0.00% | 0 | 0 | 0.0% | 46 | 44 | 4.5% |
| MINY WTI CRUDE OIL | 0 | 0 | 0.0% | 513,591 | 398,757 | 28.80% | 0 | 0 | 0.0% | 3,235,117 | 1,992,754 | 62.3% |
| 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% | 90 | 25 | 260.00% | 0 | 0 | 0.0% | 235 | 140 | 67.9% |
| 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% | 41 | 21 | 95.24% | 0 | 0 | 0.0% | 99 | 57 | 73.7% |
| 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% |
| NATURAL GAS | 0 | 0 | 0.0% | 46,701 | 31,145 | 49.95% | 0 | 0 | 0.0% | 249,276 | 189,557 | 31.5% |
| NATURAL GAS PEN SWP | 0 | 0 | 0.0% | 0 | 40 | -100.00% | 0 | 0 | 0.0% | 0 | 88 | -100.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 6,572,965 | 5,821,007 | 12.92% | 0 | 0 | 0.0% | 38,592,503 | 37,689,891 | 2.4% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL NE MASS 5MW D AH | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NGPL TEX/OK | - | 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% |
| NO 2 UP-DOWN SPREAD CALE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NORTHWEST ROCKIES BASIS | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 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% | 11 | 0 | 0.00% | 0 | 0 | 0.0% | 26 | 16 | 62.5% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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% |
| NYISO CAPACITY | 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 | 0.00% | - | 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO ZONE J 5MW D AH PK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYMEX ALUMINUM FUTURES | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYMEX ULSD VS NYMEX HO | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |
| PANHANDLE BASIS SWAP FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PERMIAN BASIS SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM DAYTON DA PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM MONTHLY | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 PECO ZONE5MW PEAK C | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM PSEG DA OFF-PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM PSEG DA PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM WESTH DA OFF-PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM WESTHDA PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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% |
| 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 | 0 | 0.0% |
| RBOB CRACK SPREAD | 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% | 3,837,729 | 3,767,645 | 1.86% | 0 | 0 | 0.0% | 18,664,226 | 19,198,921 | -2.8% |
| RBOB VS HEATING OIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SAN JUAN BASIS SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SINGAPORE 180CST BALMO | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SINGAPORE FUEL OIL 180 CS | 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% | 0 | 0 | 0.0% |
| 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 | 0.00% | - | 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 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% | 0 | 0 | 0.0% |
| Sumas Basis Swap | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| TC2 ROTTERDAM TO USAC 37 | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| TD3 MEG TO JAPAN 250K MT | 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% |
| TRANSCO ZONE4 BASIS SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| UK NBP NAT GAS CAL MTH FU | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2,485 | -100.0% |
| 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% |
| WAHA BASIS | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| WTI-BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI CALENDAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI MIDLAND CRUDE OIL | 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% |
| Energy Options | | | | | | | | | | | | |
| BRENT CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT CRUDE OIL 1 M CSO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT OIL LAST DAY | 0 | 0 | 0.0% | 2,785 | 2,949 | -5.56% | 0 | 0 | 0.0% | 8,197 | 17,944 | -54.3% |
| COAL API2 INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL 1MO | 0 | 0 | 0.0% | 6,470 | 2,200 | 194.09% | 0 | 0 | 0.0% | 28,721 | 42,180 | -31.9% |
| CRUDE OIL APO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL CALNDR STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 1,664,644 | 1,549,500 | 7.43% | 0 | 0 | 0.0% | 11,313,673 | 8,840,119 | 28.0% |
| ELEC FINSETTLED | 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% |
| FREIGHT MARKETS | 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% | 1,735 | 1,630 | 6.44% | 0 | 0 | 0.0% | 14,173 | 7,885 | 79.7% |
| HENRY HUB FINANCIAL LAST | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 66 | 40 | 65.0% |
| HO 1 MONTH CLNDR OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NATURAL GAS | 0 | - | - | 137 | - | - | 0 | - | - | 3,454 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|--------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Options | | | | | | | | | | | | |
| NATURAL GAS 1 M CSO FIN | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 4,900 | 4,250 | 15.3% |
| 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% | 400 | 100 | 300.00% | 0 | 0 | 0.0% | 400 | 100 | 300.0% |
| 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 OPT | 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% | 892,353 | 906,231 | -1.53% | 0 | 0 | 0.0% | 5,336,431 | 5,677,593 | -6.0% |
| NATURAL GAS SUMMER STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS WINTER STRIP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ROCKIES PIPE SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 209 | 97 | 115.46% | 0 | 0 | 0.0% | 449 | 385 | 16.6% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 6 | 15 | -60.00% | 0 | 0 | 0.0% | 11 | 44 | -75.0% |
| 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 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 CALENDAR SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB PHY | 0 | 0 | 0.0% | 635 | 2,307 | -72.48% | 0 | 0 | 0.0% | 5,483 | 11,291 | -51.4% |
| SAN JUAN PIPE SWAP | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| SHORT TERM | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| SHORT TERM NATURAL GAS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 0 | 0 | 0.0% | 651 | 200 | 225.50% | 0 | 0 | 0.0% | 3,601 | 6,100 | -41.0% |
| WTI CRUDE OIL 1 M CSO FI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 271 | 900 | -69.9% |

FX Futures

| | | | | | | | | | | | | |
|-------------------|---|---|------|-----------|-----------|-----------|---|---|------|-----------|------------|--------|
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 68 | 84 | -19.05% | 0 | 0 | 0.0% | 204 | 128 | 59.4% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 5,043 | 1,715 | 194.05% | 0 | 0 | 0.0% | 28,058 | 10,627 | 164.0% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 1,694 | 117 | 1,347.86% | 0 | 0 | 0.0% | 8,524 | 791 | 977.6% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 2,193,548 | 1,742,671 | 25.87% | 0 | 0 | 0.0% | 9,807,919 | 10,531,487 | -6.9% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 3,203 | 1,986 | 61.28% | 0 | 0 | 0.0% | 17,289 | 10,700 | 61.6% |

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CME Group Exchange Volume Comparison Report - Monthly

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|------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Futures | | | | | | | | | | | | |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 1,602 | 321 | 399.07% | 0 | 0 | 0.0% | 10,227 | 2,684 | 281.0% |
| BRAZIL REAL | 0 | 0 | 0.0% | 314,884 | 221,796 | 41.97% | 0 | 0 | 0.0% | 1,474,480 | 1,093,906 | 34.8% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,170,093 | 1,785,172 | 21.56% | 0 | 0 | 0.0% | 11,007,368 | 9,192,681 | 19.7% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,720,804 | 1,423,367 | 20.90% | 0 | 0 | 0.0% | 8,326,735 | 7,889,139 | 5.5% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 6 | 8 | -25.00% | 0 | 0 | 0.0% | 251 | 552 | -54.5% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 40,264 | 17,103 | 135.42% | 0 | 0 | 0.0% | 129,678 | 75,929 | 70.8% |
| CZECK KORUNA (EC) | 0 | 0 | 0.0% | 3 | 0 | 0.00% | 0 | 0 | 0.0% | 16 | 2 | 700.0% |
| CZECK KORUNA (US) | 0 | 0 | 0.0% | 4 | 0 | 0.00% | 0 | 0 | 0.0% | 15 | 3 | 400.0% |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 4,307 | 2,313 | 86.21% | 0 | 0 | 0.0% | 24,527 | 20,331 | 20.6% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 3,052 | 3,419 | -10.73% | 0 | 0 | 0.0% | 34,233 | 27,977 | 22.4% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 1,591 | 174 | 814.37% | 0 | 0 | 0.0% | 6,162 | 2,529 | 143.7% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 588 | 321 | 83.18% | 0 | 0 | 0.0% | 8,736 | 2,704 | 223.1% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 74,159 | 22,409 | 230.93% | 0 | 0 | 0.0% | 440,542 | 231,691 | 90.1% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 30,706 | 19,485 | 57.59% | 0 | 0 | 0.0% | 277,814 | 148,956 | 86.5% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 42,574 | 11,432 | 272.41% | 0 | 0 | 0.0% | 204,976 | 90,838 | 125.7% |
| E-MICRO USD/CAD | 0 | - | - | 152 | - | | 0 | - | - | 1,442 | - | - |
| E-MICRO USD/CHF | 0 | - | - | 96 | - | | 0 | - | - | 360 | - | - |
| E-MICRO USD/JPY | 0 | - | - | 15,976 | - | | 0 | - | - | 42,307 | - | - |
| E-MINI EURO FX | 0 | 0 | 0.0% | 127,139 | 96,782 | 31.37% | 0 | 0 | 0.0% | 646,126 | 665,175 | -2.9% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 9,511 | 6,471 | 46.98% | 0 | 0 | 0.0% | 41,110 | 46,887 | -12.3% |
| EURO FX | 0 | 0 | 0.0% | 4,034,455 | 3,265,220 | 23.56% | 0 | 0 | 0.0% | 21,706,426 | 19,563,894 | 11.0% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 1 | 0 | 0.00% | 0 | 0 | 0.0% | 2 | 0 | 0.0% |
| HUNGARIAN FORINT (US) | 0 | 0 | 0.0% | 4 | 11 | -63.64% | 0 | 0 | 0.0% | 33 | 72 | -54.2% |
| INDIAN RUPEE | 0 | 0 | 0.0% | 17,800 | 9,368 | 90.01% | 0 | 0 | 0.0% | 97,568 | 73,133 | 33.4% |
| JAPANESE YEN | 0 | 0 | 0.0% | 2,943,077 | 1,960,285 | 50.14% | 0 | 0 | 0.0% | 13,421,333 | 10,573,635 | 26.9% |
| KOREAN WON | 0 | 0 | 0.0% | 253 | 1,415 | -82.12% | 0 | 0 | 0.0% | 1,999 | 9,147 | -78.1% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,072,113 | 866,691 | 23.70% | 0 | 0 | 0.0% | 5,069,160 | 5,254,259 | -3.5% |
| MICRO AUD/USD | 0 | 0 | 0.0% | 315,396 | 183,154 | 72.20% | 0 | 0 | 0.0% | 1,358,361 | 1,177,672 | 15.3% |
| MICRO CAD/USD | 0 | 0 | 0.0% | 75,059 | 56,424 | 33.03% | 0 | 0 | 0.0% | 287,429 | 246,238 | 16.7% |
| MICRO CHF/USD | 0 | 0 | 0.0% | 18,799 | 7,890 | 138.26% | 0 | 0 | 0.0% | 61,973 | 46,594 | 33.0% |
| MICRO EUR/USD | 0 | 0 | 0.0% | 690,536 | 401,240 | 72.10% | 0 | 0 | 0.0% | 3,441,559 | 2,545,213 | 35.2% |
| MICRO GBP/USD | 0 | 0 | 0.0% | 112,785 | 67,459 | 67.19% | 0 | 0 | 0.0% | 437,089 | 347,990 | 25.6% |
| MICRO INR/USD | 0 | 0 | 0.0% | 745 | 1,659 | -55.09% | 0 | 0 | 0.0% | 4,063 | 10,909 | -62.8% |
| MICRO JPY/USD | 0 | 0 | 0.0% | 0 | 31,430 | -100.00% | 0 | 0 | 0.0% | 101,719 | 153,179 | -33.6% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Futures | | | | | | | | | | | | |
| MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 13 | -100.00% | 0 | 0 | 0.0% | 2 | 20 | -90.0% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 616,162 | 492,788 | 25.04% | 0 | 0 | 0.0% | 2,845,593 | 2,973,456 | -4.3% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 2,147 | 3,282 | -34.58% | 0 | 0 | 0.0% | 15,160 | 21,894 | -30.8% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 45 | 24 | 87.50% | 0 | 0 | 0.0% | 653 | 586 | 11.4% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 807 | 174 | 363.79% | 0 | 0 | 0.0% | 6,561 | 4,397 | 49.2% |
| RMB USD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 0 | 0.0% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 1,265 | 56,344 | -97.75% | 0 | 0 | 0.0% | 575,914 | 445,027 | 29.4% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 81,000 | 48,322 | 67.63% | 0 | 0 | 0.0% | 416,842 | 247,888 | 68.2% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 541 | 16 | 3,281.25% | 0 | 0 | 0.0% | 2,030 | 130 | 1,461.5% |
| SHEKEL | 0 | 0 | 0.0% | 15 | 1 | 1,400.00% | 0 | 0 | 0.0% | 59 | 12 | 391.7% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 4,977 | 3,406 | 46.12% | 0 | 0 | 0.0% | 28,692 | 20,444 | 40.3% |
| SWISS FRANC | 0 | 0 | 0.0% | 528,881 | 410,495 | 28.84% | 0 | 0 | 0.0% | 2,391,620 | 2,310,591 | 3.5% |
| TURKISH LIRA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 8 | -100.0% |
| USDZAR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 27 | 49 | -44.9% |
| FX Options | | | | | | | | | | | | |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 148 | 97 | 52.58% | 0 | 0 | 0.0% | 1,597 | 2,036 | -21.6% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 388 | 209 | 85.65% | 0 | 0 | 0.0% | 2,717 | 1,740 | 56.1% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 391 | 103 | 279.61% | 0 | 0 | 0.0% | 1,888 | 1,945 | -2.9% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 560 | 287 | 95.12% | 0 | 0 | 0.0% | 2,173 | 2,139 | 1.6% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 779 | 23 | 3,287.0% |
| AUD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 77,854 | 34,194 | 127.68% | 0 | 0 | 0.0% | 343,702 | 214,714 | 60.1% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,420 | 958 | 48.2% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,700 | 1,968 | 37.20% | 0 | 0 | 0.0% | 10,528 | 8,560 | 23.0% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,351 | 2,796 | -15.92% | 0 | 0 | 0.0% | 12,065 | 12,916 | -6.6% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,924 | 2,011 | -4.33% | 0 | 0 | 0.0% | 8,160 | 16,222 | -49.7% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,720 | 3,069 | -44.0% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,822 | 2,465 | -26.09% | 0 | 0 | 0.0% | 4,930 | 6,549 | -24.7% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 161 | 767 | -79.01% | 0 | 0 | 0.0% | 2,818 | 3,961 | -28.9% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 97 | 210 | -53.81% | 0 | 0 | 0.0% | 1,033 | 2,332 | -55.7% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,094 | 1,074 | 1.86% | 0 | 0 | 0.0% | 2,970 | 5,572 | -46.7% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 211 | 564 | -62.6% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Options | | | | | | | | | | | | |
| BRL/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 183 | 147 | 24.49% | 0 | 0 | 0.0% | 1,964 | 1,773 | 10.8% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 138 | 695 | -80.14% | 0 | 0 | 0.0% | 999 | 4,219 | -76.3% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 756 | 2,338 | -67.66% | 0 | 0 | 0.0% | 6,600 | 4,977 | 32.6% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 1,010 | 255 | 296.08% | 0 | 0 | 0.0% | 4,470 | 1,516 | 194.9% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 254 | 1,563 | -83.75% | 0 | 0 | 0.0% | 4,700 | 3,591 | 30.9% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,256 | 612 | 105.2% |
| CAD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 78,193 | 62,963 | 24.19% | 0 | 0 | 0.0% | 320,409 | 261,295 | 22.6% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5,805 | 6,368 | -8.8% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 4,524 | 7,432 | -39.13% | 0 | 0 | 0.0% | 19,690 | 19,202 | 2.5% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,913 | 6,462 | -39.45% | 0 | 0 | 0.0% | 26,133 | 29,519 | -11.5% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 4,023 | 5,792 | -30.54% | 0 | 0 | 0.0% | 25,984 | 32,529 | -20.1% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 4,281 | 9,870 | -56.6% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 746 | 1,175 | -36.51% | 0 | 0 | 0.0% | 5,384 | 5,088 | 5.8% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 553 | 1,271 | -56.49% | 0 | 0 | 0.0% | 5,839 | 6,181 | -5.5% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,477 | 3,011 | -50.95% | 0 | 0 | 0.0% | 8,296 | 7,309 | 13.5% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,875 | 1,188 | 57.83% | 0 | 0 | 0.0% | 9,462 | 4,817 | 96.4% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,938 | 1,221 | 140.6% |
| CHF/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 3,185 | 6,491 | -50.93% | 0 | 0 | 0.0% | 27,378 | 23,849 | 14.8% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 10 | 0 | 0.00% | 0 | 0 | 0.0% | 530 | 56 | 846.4% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 72 | 786 | -90.84% | 0 | 0 | 0.0% | 792 | 1,458 | -45.7% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 17 | 17 | 0.00% | 0 | 0 | 0.0% | 415 | 1,171 | -64.6% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 66 | 24 | 175.00% | 0 | 0 | 0.0% | 808 | 1,901 | -57.5% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 14 | 22 | -36.4% |
| EUR/GBP MONTHLY OPTIONS | 0 | - | - | 0 | - | | 0 | - | - | 204 | - | - |
| EUR/GBP WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 923 | 624 | 47.92% | 0 | 0 | 0.0% | 10,041 | 6,144 | 63.4% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 2,071 | 4,826 | -57.09% | 0 | 0 | 0.0% | 15,479 | 9,626 | 60.8% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,288 | 2,457 | -47.58% | 0 | 0 | 0.0% | 5,594 | 3,691 | 51.6% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,256 | 1,412 | -11.05% | 0 | 0 | 0.0% | 17,173 | 9,622 | 78.5% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,856 | 1,587 | 80.0% |
| EUR/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 213,743 | 166,948 | 28.03% | 0 | 0 | 0.0% | 1,157,925 | 988,796 | 17.1% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2 | 0 | 0.00% | 0 | 0 | 0.0% | 24,512 | 11,898 | 106.0% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 13,326 | 30,769 | -56.69% | 0 | 0 | 0.0% | 79,726 | 69,132 | 15.3% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 15,007 | 17,381 | -13.66% | 0 | 0 | 0.0% | 82,252 | 97,222 | -15.4% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Options | | | | | | | | | | | | |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 15,132 | 22,802 | -33.64% | 0 | 0 | 0.0% | 105,000 | 86,418 | 21.5% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 20,204 | 33,497 | -39.7% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,416 | 7,212 | -38.77% | 0 | 0 | 0.0% | 31,224 | 33,018 | -5.4% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,290 | 7,178 | -54.17% | 0 | 0 | 0.0% | 25,095 | 34,374 | -27.0% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 5,324 | 4,999 | 6.50% | 0 | 0 | 0.0% | 27,875 | 34,515 | -19.2% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 4,702 | 6,683 | -29.64% | 0 | 0 | 0.0% | 29,211 | 40,520 | -27.9% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 6,113 | 5,639 | 8.4% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 217 | 52 | 317.31% | 0 | 0 | 0.0% | 2,723 | 1,240 | 119.6% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,499 | 1,221 | 22.77% | 0 | 0 | 0.0% | 5,034 | 2,902 | 73.5% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 115 | 101 | 13.86% | 0 | 0 | 0.0% | 1,660 | 1,204 | 37.9% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 170 | 50 | 240.00% | 0 | 0 | 0.0% | 2,766 | 542 | 410.3% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 361 | 400 | -9.8% |
| GBP/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 74,566 | 79,955 | -6.74% | 0 | 0 | 0.0% | 342,407 | 374,940 | -8.7% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1 | 0 | 0.00% | 0 | 0 | 0.0% | 2,815 | 1,768 | 59.2% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,908 | 3,255 | 20.06% | 0 | 0 | 0.0% | 12,169 | 11,738 | 3.7% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,074 | 2,015 | 2.93% | 0 | 0 | 0.0% | 14,530 | 12,184 | 19.3% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 1,489 | 3,719 | -59.96% | 0 | 0 | 0.0% | 13,327 | 15,146 | -12.0% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 3,774 | 3,486 | 8.3% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 303 | 2,164 | -86.00% | 0 | 0 | 0.0% | 7,299 | 6,614 | 10.4% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 261 | 344 | -24.13% | 0 | 0 | 0.0% | 2,561 | 3,729 | -31.3% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,158 | 450 | 157.33% | 0 | 0 | 0.0% | 6,226 | 3,170 | 96.4% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 438 | 888 | -50.68% | 0 | 0 | 0.0% | 4,027 | 5,385 | -25.2% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 330 | 1,655 | -80.1% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 89 | 346 | -74.28% | 0 | 0 | 0.0% | 2,105 | 1,983 | 6.2% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 846 | 776 | 9.02% | 0 | 0 | 0.0% | 5,076 | 1,851 | 174.2% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 980 | 241 | 306.64% | 0 | 0 | 0.0% | 1,532 | 1,078 | 42.1% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 987 | 364 | 171.15% | 0 | 0 | 0.0% | 4,565 | 881 | 418.2% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 51 | 313 | -83.7% |
| JPY/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 157,040 | 68,166 | 130.38% | 0 | 0 | 0.0% | 719,454 | 380,073 | 89.3% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 10,796 | 8,167 | 32.2% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 11,990 | 9,197 | 30.37% | 0 | 0 | 0.0% | 46,501 | 26,291 | 76.9% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 10,635 | 5,878 | 80.93% | 0 | 0 | 0.0% | 51,767 | 42,792 | 21.0% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 8,009 | 9,754 | -17.89% | 0 | 0 | 0.0% | 47,897 | 40,303 | 18.8% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 15,568 | 16,475 | -5.5% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|---------------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Options | | | | | | | | | | | | |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,977 | 2,025 | -2.37% | 0 | 0 | 0.0% | 15,253 | 11,591 | 31.6% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,421 | 3,126 | 9.44% | 0 | 0 | 0.0% | 15,018 | 14,325 | 4.8% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,921 | 3,448 | -15.28% | 0 | 0 | 0.0% | 11,813 | 12,425 | -4.9% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,893 | 2,936 | 32.60% | 0 | 0 | 0.0% | 14,676 | 13,628 | 7.7% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,857 | 2,493 | 14.6% |
| MXN/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 608 | 2,670 | -77.23% | 0 | 0 | 0.0% | 3,914 | 5,680 | -31.1% |
| MXN/USD WKLY FRIDAY OPTI | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 344 | -100.00% | 0 | 0 | 0.0% | 17 | 344 | -95.1% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 59 | -100.00% | 0 | 0 | 0.0% | 0 | 59 | -100.0% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 193 | -100.00% | 0 | 0 | 0.0% | 0 | 193 | -100.0% |
| MXN/USD WKLY FRIDAY OPTI | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NZD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 18 | 248 | -92.74% | 0 | 0 | 0.0% | 499 | 540 | -7.6% |
| NZD/USD WKLY FRIDAY OPTIO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NZD/USD WKLY FRIDAY OPTIO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| NZD/USD WKLY FRIDAY OPTIO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| RUB/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 68 | -100.0% |
| Ags Futures | | | | | | | | | | | | |
| FERTILIZER PRODUCS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2 | 4 | -50.0% |
| Foreign Exchange Futures | | | | | | | | | | | | |
| CHILEAN PESO | 0 | - | - | 0 | - | | 0 | - | - | 23 | - | - |
| Foreign Exchange Options | | | | | | | | | | | | |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 493 | 633 | -22.12% | 0 | 0 | 0.0% | 2,505 | 3,426 | -26.9% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| BLOCK CHEESE | 0 | 0 | 0.0% | 111 | 724 | -84.67% | 0 | 0 | 0.0% | 1,153 | 3,552 | -67.5% |
| BUTTER CS | 0 | 0 | 0.0% | 4,062 | 3,702 | 9.72% | 0 | 0 | 0.0% | 22,596 | 20,836 | 8.4% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 8,517 | 10,505 | -18.92% | 0 | 0 | 0.0% | 44,486 | 58,166 | -23.5% |
| CAT ASIA WEATHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| CATTLE | 0 | 0 | 0.0% | 1,297,009 | 1,175,015 | 10.38% | 0 | 0 | 0.0% | 6,375,472 | 6,103,572 | 4.5% |
| CAT WEATHER EUROPEAN | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| 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 | 0 | 0 | 0.0% | 1,807,580 | 2,171,743 | -16.77% | 0 | 0 | 0.0% | 11,533,570 | 13,155,516 | -12.3% |
| CLASS IV MILK | 0 | 0 | 0.0% | 2,762 | 764 | 261.52% | 0 | 0 | 0.0% | 12,191 | 3,206 | 280.3% |
| COFFEE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| CORN | 0 | 0 | 0.0% | 5,217,154 | 7,700,652 | -32.25% | 0 | 0 | 0.0% | 33,993,605 | 39,948,449 | -14.9% |
| COTTON | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DJ_UBS ROLL SELECT INDEX | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 22 | -100.0% |
| DOW-UBS COMMOD INDEX | 0 | 0 | 0.0% | 39,553 | 38,746 | 2.08% | 0 | 0 | 0.0% | 231,428 | 216,721 | 6.8% |
| DRY WHEY | 0 | 0 | 0.0% | 1,011 | 2,702 | -62.58% | 0 | 0 | 0.0% | 4,945 | 12,470 | -60.3% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 218,592 | 201,385 | 8.54% | 0 | 0 | 0.0% | 1,310,248 | 1,205,713 | 8.7% |
| FERTILIZER PRODCUS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 2,741 | 9,445 | -70.98% | 0 | 0 | 0.0% | 15,644 | 58,753 | -73.4% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 22 | 26 | -15.38% | 0 | 0 | 0.0% | 22 | 101 | -78.2% |
| 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 | - | - |
| 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 | 0 | 0 | 0.0% | 1,035,125 | 1,043,499 | -0.80% | 0 | 0 | 0.0% | 4,862,872 | 4,730,246 | 2.8% |
| HOUSING INDEX | 0 | 0 | 0.0% | 49 | 11 | 345.45% | 0 | 0 | 0.0% | 94 | 62 | 51.6% |
| Intercommodity Spread | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| KC WHEAT | 0 | 0 | 0.0% | 671,801 | 965,184 | -30.40% | 0 | 0 | 0.0% | 4,725,718 | 5,369,654 | -12.0% |
| LUMBER | 0 | 0 | 0.0% | 6,441 | 12,601 | -48.89% | 0 | 0 | 0.0% | 39,257 | 50,477 | -22.2% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 0 | 0.0% | 26,429 | 22,218 | 18.95% | 0 | 0 | 0.0% | 147,901 | 119,297 | 24.0% |
| MINI CORN | 0 | 0 | 0.0% | 50,723 | 114,615 | -55.74% | 0 | 0 | 0.0% | 330,226 | 371,638 | -11.1% |
| MINI SOYBEAN | 0 | 0 | 0.0% | 44,846 | 62,298 | -28.01% | 0 | 0 | 0.0% | 321,141 | 344,590 | -6.8% |
| MINI WHEAT | 0 | 0 | 0.0% | 26,790 | 23,199 | 15.48% | 0 | 0 | 0.0% | 146,560 | 101,485 | 44.4% |

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|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| 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% | 4,008 | 5,423 | -26.09% | 0 | 0 | 0.0% | 32,134 | 29,538 | 8.8% |
| OATS | 0 | 0 | 0.0% | 6,913 | 9,627 | -28.19% | 0 | 0 | 0.0% | 46,206 | 47,232 | -2.2% |
| PACIFIC RIM DAT SS WTHR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PORK CUTOUT | 0 | 0 | 0.0% | 2,812 | 1,962 | 43.32% | 0 | 0 | 0.0% | 12,841 | 17,650 | -27.2% |
| ROUGH RICE | 0 | 0 | 0.0% | 14,222 | 13,084 | 8.70% | 0 | 0 | 0.0% | 90,914 | 78,022 | 16.5% |
| SOYBEAN | 0 | 0 | 0.0% | 3,167,260 | 3,624,549 | -12.62% | 0 | 0 | 0.0% | 20,838,717 | 23,092,631 | -9.8% |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 1,655,458 | 1,848,129 | -10.43% | 0 | 0 | 0.0% | 10,341,776 | 10,168,535 | 1.7% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 1,729,632 | 2,235,753 | -22.64% | 0 | 0 | 0.0% | 10,722,755 | 13,378,867 | -19.9% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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% | 56 | 3,621 | -98.45% | 0 | 0 | 0.0% | 6,012 | 13,934 | -56.9% |
| Ag Products Options | | | | | | | | | | | | |
| AUG-NOV SOYBEAN CAL SPR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| BLOCK CHEESE | 0 | 0 | 0.0% | 0 | 175 | -100.00% | 0 | 0 | 0.0% | 863 | 1,782 | -51.6% |
| BUTTER CS | 0 | 0 | 0.0% | 1,085 | 1,113 | -2.52% | 0 | 0 | 0.0% | 5,791 | 11,876 | -51.2% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 4,851 | 5,644 | -14.05% | 0 | 0 | 0.0% | 32,929 | 40,721 | -19.1% |
| CATTLE | 0 | 0 | 0.0% | 223,894 | 160,305 | 39.67% | 0 | 0 | 0.0% | 1,090,030 | 964,892 | 13.0% |
| 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 | 0 | 0 | 0.0% | 562,965 | 461,326 | 22.03% | 0 | 0 | 0.0% | 3,116,491 | 2,378,179 | 31.0% |
| CLASS IV MILK | 0 | 0 | 0.0% | 6,853 | 3,303 | 107.48% | 0 | 0 | 0.0% | 33,205 | 15,468 | 114.7% |
| CORN | 0 | 0 | 0.0% | 2,692,656 | 4,091,977 | -34.20% | 0 | 0 | 0.0% | 13,383,448 | 16,065,306 | -16.7% |
| CORN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 8,185 | 18,803 | -56.47% | 0 | 0 | 0.0% | 122,984 | 50,098 | 145.5% |
| DEC-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 0 | 1,030 | -100.00% | 0 | 0 | 0.0% | 0 | 1,230 | -100.0% |
| DEC-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 0 | 100 | -100.00% | 0 | 0 | 0.0% | 3,340 | 100 | 3,240.0% |
| DEC-JULY WHEAT CAL SPRD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| DRY WHEY | 0 | 0 | 0.0% | 61 | 184 | -66.85% | 0 | 0 | 0.0% | 2,150 | 1,418 | 51.6% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 33,947 | 23,787 | 42.71% | 0 | 0 | 0.0% | 176,627 | 108,627 | 62.6% |
| HDD EURO SEASONAL STRIP | 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 MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Options | | | | | | | | | | | | |
| 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 | 0 | 0 | 0.0% | 237,386 | 211,098 | 12.45% | 0 | 0 | 0.0% | 1,185,799 | 929,113 | 27.6% |
| HOUSING INDEX | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| Intercommodity Spread | 0 | 0 | 0.0% | 0 | 1 | -100.00% | 0 | 0 | 0.0% | 0 | 269 | -100.0% |
| JAN-MAR SOYBEAN CSO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| JULY-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 5,300 | 6,080 | -12.83% | 0 | 0 | 0.0% | 44,144 | 25,565 | 72.7% |
| JULY-DEC SOYMEAL CAL SPR | 0 | - | - | 410 | - | | 0 | - | - | 410 | - | - |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 3,200 | 100 | 3,100.0% |
| JULY-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1 | 0 | 0.0% |
| JULY-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 9,666 | 50 | 19,232.00% | 0 | 0 | 0.0% | 33,876 | 1,477 | 2,193.6% |
| KC WHEAT | 0 | 0 | 0.0% | 91,002 | 52,339 | 73.87% | 0 | 0 | 0.0% | 414,893 | 274,573 | 51.1% |
| LUMBER | 0 | 0 | 0.0% | 344 | 1,074 | -67.97% | 0 | 0 | 0.0% | 2,564 | 4,226 | -39.3% |
| LV CATL CSO | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MAR-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MAR-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 9,575 | 0 | 0.0% |
| MAR-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 150 | 0 | 0.0% |
| MILK | 0 | 0 | 0.0% | 19,836 | 15,651 | 26.74% | 0 | 0 | 0.0% | 95,702 | 132,525 | -27.8% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 2 | -100.00% | 0 | 0 | 0.0% | 43 | 11 | 290.9% |
| NFD MILK | 0 | 0 | 0.0% | 2,621 | 4,573 | -42.69% | 0 | 0 | 0.0% | 19,153 | 20,162 | -5.0% |
| NOV-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 600 | 0 | 0.0% |
| NOV-MAR SOYBEAN CSO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NOV-NOV SOYBEAN CAL SPR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| OATS | 0 | 0 | 0.0% | 275 | 203 | 35.47% | 0 | 0 | 0.0% | 1,297 | 658 | 97.1% |
| PORK CUTOUT | 0 | 0 | 0.0% | 0 | 88 | -100.00% | 0 | 0 | 0.0% | 35 | 718 | -95.1% |
| ROUGH RICE | 0 | 0 | 0.0% | 1,797 | 1,241 | 44.80% | 0 | 0 | 0.0% | 7,373 | 2,766 | 166.6% |
| SOYBEAN | 0 | 0 | 0.0% | 1,459,865 | 1,801,893 | -18.98% | 0 | 0 | 0.0% | 8,573,957 | 8,774,194 | -2.3% |
| SOYBEAN CRUSH | 0 | 0 | 0.0% | 25 | 0 | 0.00% | 0 | 0 | 0.0% | 121 | 861 | -85.9% |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 179,198 | 255,011 | -29.73% | 0 | 0 | 0.0% | 1,227,492 | 1,175,247 | 4.4% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 185,277 | 278,732 | -33.53% | 0 | 0 | 0.0% | 1,191,285 | 1,597,244 | -25.4% |
| SOYBN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 830 | 200 | 315.00% | 0 | 0 | 0.0% | 19,033 | 7,021 | 171.1% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|-----------------------|--------------|
| Ag Products Options | | | | | | | | | | | | |
| SOYMEAL NEARBY+2 CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,100 | 0 | 0.0% |
| WHEAT | 0 | 0 | 0.0% | 10 | 526 | -98.10% | 0 | 0 | 0.0% | 815 | 3,813 | -78.6% |
| WHEAT-CORN ICSSO | 0 | 0 | 0.0% | 100 | 218 | -54.13% | 0 | 0 | 0.0% | 1,120 | 831 | 34.8% |
| WHEAT NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 80 | 0 | 0.00% | 0 | 0 | 0.0% | 24,728 | 1,491 | 1,558.5% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 336,725 | 324,122 | 3.9% | 196,994,324 | 161,832,259 | 21.7% | 3,543,426 | 2,037,375 | 73.9% | 936,091,937 | 750,459,175 | 24.7% |
| Equity Index Futures | 0 | 0 | 0.0% | 147,951,303 | 96,600,497 | 53.2% | 0 | 0 | 0.0% | 672,774,269 | 512,904,217 | 31.2% |
| Metals Futures | 0 | 0 | 0.0% | 8,991,852 | 11,641,684 | -22.8% | 0 | 0 | 0.0% | 48,731,028 | 57,263,157 | -14.9% |
| Energy Futures | 0 | 0 | 0.0% | 31,547,515 | 33,347,432 | -5.4% | 0 | 0 | 0.0% | 195,094,461 | 189,286,101 | 3.1% |
| FX Futures | 0 | 0 | 0.0% | 17,277,930 | 13,224,257 | 30.7% | 0 | 0 | 0.0% | 84,810,971 | 76,072,154 | 11.5% |
| Ags Futures | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2 | 4 | -50.0% |
| Foreign Exchange Futures | 0 | - | - | 0 | - | - | 0 | - | - | 23 | - | - |
| Ag Products Futures | 0 | 0 | 0.0% | 17,041,679 | 21,301,182 | -20.0% | 0 | 0 | 0.0% | 106,210,484 | 118,700,937 | -10.5% |
| TOTAL FUTURES | 336,725 | 324,122 | 3.9% | 419,804,603 | 337,947,311 | 24.2% | 3,543,426 | 2,037,375 | 73.9% | 2,043,713,175 | 1,704,685,745 | 19.9% |
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 0 | 0 | 0.0% | 25,057,314 | 14,465,135 | 73.2% | 0 | 0 | 0.0% | 115,814,623 | 65,058,994 | 78.0% |
| Interest Rate Options | 13,761,435 | 12,314,125 | 11.8% | 24,694,565 | 24,175,481 | 2.1% | 86,984,827 | 64,614,273 | 34.6% | 143,795,532 | 132,409,840 | 8.6% |
| Metals Options | 0 | 0 | 0.0% | 1,139,673 | 927,745 | 22.8% | 0 | 0 | 0.0% | 5,949,794 | 4,938,460 | 20.5% |
| Energy Options | 0 | 0 | 0.0% | 2,570,025 | 2,465,229 | 4.3% | 0 | 0 | 0.0% | 16,719,830 | 14,608,831 | 14.5% |
| FX Options | 0 | 0 | 0.0% | 760,578 | 625,067 | 21.7% | 0 | 0 | 0.0% | 3,914,710 | 3,205,199 | 22.1% |
| Ag Products Options | 0 | 0 | 0.0% | 5,728,519 | 7,396,727 | -22.6% | 0 | 0 | 0.0% | 30,826,324 | 32,592,562 | -5.4% |
| Foreign Exchange Options | 0 | 0 | 0.0% | 493 | 633 | -22.1% | 0 | 0 | 0.0% | 2,505 | 3,426 | -26.9% |
| TOTAL OPTIONS | 13,761,435 | 12,314,125 | 11.8% | 59,951,167 | 50,056,017 | 19.8% | 86,984,827 | 64,614,273 | 34.6% | 317,023,318 | 252,817,312 | 25.4% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry MAY 2022 | Open Outcry MAY 2021 | % CHG | ELEC MAY 2022 | ELEC MAY 2021 | % CHG | Open Outcry Y.T.D 2022 | Open Outcry Y.T.D 2021 | % CHG | ELEC Y.T.D 2022 | ELEC Y.T.D 2021 | % CHG |
|-----------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|-----------------------|--------------|
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 14,098,160 | 12,638,247 | 11.6% | 221,688,889 | 186,007,740 | 19.2% | 90,528,253 | 66,651,648 | 35.8% | 1,079,887,469 | 882,869,015 | 22.3% |
| Equity Index | 0 | 0 | 0.0% | 173,008,617 | 111,065,632 | 55.8% | 0 | 0 | 0.0% | 788,588,892 | 577,963,211 | 36.4% |
| Metals | 0 | 0 | 0.0% | 10,131,525 | 12,569,429 | -19.4% | 0 | 0 | 0.0% | 54,680,822 | 62,201,617 | -12.1% |
| Energy | 0 | 0 | 0.0% | 34,117,540 | 35,812,661 | -4.7% | 0 | 0 | 0.0% | 211,814,291 | 203,894,932 | 3.9% |
| FX | 0 | 0 | 0.0% | 18,038,508 | 13,849,324 | 30.2% | 0 | 0 | 0.0% | 88,725,681 | 79,277,353 | 11.9% |
| Ags | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2 | 4 | -50.0% |
| Foreign Exchange | 0 | 0 | 0.0% | 493 | 633 | -22.1% | 0 | 0 | 0.0% | 2,528 | 3,426 | -26.2% |
| Ag Products | 0 | 0 | 0.0% | 22,770,198 | 28,697,909 | -20.7% | 0 | 0 | 0.0% | 137,036,808 | 151,293,499 | -9.4% |
| GRAND TOTAL | 14,098,160 | 12,638,247 | 11.6% | 479,755,770 | 388,003,328 | 23.6% | 90,528,253 | 66,651,648 | 35.8% | 2,360,736,493 | 1,957,503,057 | 20.6% |

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