

CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|--------------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Interest Rate Futures | | | | | | | | | | | | |
| 10-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 2,093 | -100.00% | 0 | 0 | 0.0% | 4,082 | 44,156 | -90.8% |
| 10-YR Eris SOFR | 0 | 0 | 0.0% | 2,701 | 14 | 19,192.86% | 0 | 0 | 0.0% | 20,133 | 763 | 2,538.7% |
| 10-YR MAC LIBOR | 0 | 0 | 0.0% | 0 | 5,087 | -100.00% | 0 | 0 | 0.0% | 27,311 | 150,656 | -81.9% |
| 10-YR MAC SOFR | 0 | 0 | 0.0% | 0 | 2 | -100.00% | 0 | 0 | 0.0% | 18 | 2 | 800.0% |
| 10-YR NOTE | 0 | 0 | 0.0% | 41,679,622 | 33,390,372 | 24.83% | 0 | 0 | 0.0% | 390,514,998 | 379,469,102 | 2.9% |
| 10Y YIELD | 0 | 0 | 0.0% | 199,562 | 113,109 | 76.43% | 0 | 0 | 0.0% | 1,034,577 | 1,029,433 | 0.5% |
| 13-Week U.S. T-Bill Futures | 0 | - | - | 18,660 | - | - | 0 | - | - | 18,660 | - | - |
| 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% | 0 | 48 | -100.00% | 0 | 0 | 0.0% | 6 | 337 | -98.2% |
| 1-YR Eris BSBY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 1,600 | -100.0% |
| 1-YR Eris SOFR | 0 | 0 | 0.0% | 0 | 731 | -100.00% | 0 | 0 | 0.0% | 27,097 | 201,416 | -86.5% |
| 20-YR BOND | 0 | 0 | 0.0% | 166 | 1,846 | -91.01% | 0 | 0 | 0.0% | 3,837 | 32,128 | -88.1% |
| 20-YR Eris LIBOR | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| 2-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 689 | -100.00% | 0 | 0 | 0.0% | 4,517 | 80,874 | -94.4% |
| 2-YR Eris SOFR | 0 | 0 | 0.0% | 2,497 | 2,938 | -15.01% | 0 | 0 | 0.0% | 31,194 | 94,977 | -67.2% |
| 2-YR NOTE | 0 | 0 | 0.0% | 13,863,808 | 9,629,879 | 43.97% | 0 | 0 | 0.0% | 147,089,923 | 131,346,523 | 12.0% |
| 2Y YIELD | 0 | 0 | 0.0% | 3,870 | 9,623 | -59.78% | 0 | 0 | 0.0% | 62,777 | 79,680 | -21.2% |
| 30-Year UMBS TBA Futures - 2.5 | 0 | - | - | 0 | - | - | 0 | - | - | 1,005 | - | - |
| 30-Year UMBS TBA Futures - 3.0 | 0 | - | - | 201 | - | - | 0 | - | - | 3,778 | - | - |
| 30-Year UMBS TBA Futures - 3.5 | 0 | - | - | 609 | - | - | 0 | - | - | 4,721 | - | - |
| 30-Year UMBS TBA Futures - 4.0 | 0 | - | - | 974 | - | - | 0 | - | - | 6,072 | - | - |
| 30-Year UMBS TBA Futures - 4.5 | 0 | - | - | 2,015 | - | - | 0 | - | - | 12,171 | - | - |
| 30-Year UMBS TBA Futures - 5.0 | 0 | - | - | 1,448 | - | - | 0 | - | - | 13,994 | - | - |
| 30-Year UMBS TBA Futures - 5.5 | 0 | - | - | 2,058 | - | - | 0 | - | - | 11,281 | - | - |
| 30-Year UMBS TBA Futures - 6.0 | 0 | - | - | 1,848 | - | - | 0 | - | - | 8,991 | - | - |
| 30-YR BOND | 0 | 0 | 0.0% | 11,644,160 | 6,680,687 | 74.30% | 0 | 0 | 0.0% | 85,376,893 | 79,632,358 | 7.2% |
| 30-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 185 | -100.0% |
| 30-YR MAC LIBOR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 304 | -100.0% |
| 30-YR SWAP RATE | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| 30Y YIELD | 0 | 0 | 0.0% | 2,277 | 11,210 | -79.69% | 0 | 0 | 0.0% | 11,260 | 101,711 | -88.9% |
| 3-YR Eris BSBY | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 4 | -100.0% |
| 3-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 370 | -100.00% | 0 | 0 | 0.0% | 3,771 | 51,821 | -92.7% |
| 3-YR Eris SOFR | 0 | 0 | 0.0% | 1,158 | 4,926 | -76.49% | 0 | 0 | 0.0% | 20,057 | 33,765 | -40.6% |

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|------------------------------|----------------------------|----------------------------|---------|------------------|------------------|---------------|------------------------------|------------------------------|--------|--------------------|--------------------|--------------|
| Interest Rate Futures | | | | | | | | | | | | |
| 3-YR NOTE | 0 | 0 | 0.0% | 132,417 | 235,977 | -43.89% | 0 | 0 | 0.0% | 1,190,786 | 3,349,032 | -64.4% |
| 4-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 170 | -100.00% | 0 | 0 | 0.0% | 1,140 | 30,338 | -96.2% |
| 4-YR Eris SOFR | 0 | 0 | 0.0% | 982 | 1,007 | -2.48% | 0 | 0 | 0.0% | 7,850 | 6,491 | 20.9% |
| 5-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 10,517 | -100.00% | 0 | 0 | 0.0% | 21,264 | 223,107 | -90.5% |
| 5-YR Eris SOFR | 0 | 0 | 0.0% | 11,017 | 1,111 | 891.63% | 0 | 0 | 0.0% | 90,047 | 21,363 | 321.5% |
| 5-YR MAC LIBOR | 0 | 0 | 0.0% | 0 | 53,810 | -100.00% | 0 | 0 | 0.0% | 39,600 | 347,166 | -88.6% |
| 5-YR MAC SOFR | 0 | - | - | 0 | - | | 0 | - | - | 92 | - | - |
| 5-YR NOTE | 0 | 0 | 0.0% | 27,782,419 | 21,426,272 | 29.67% | 0 | 0 | 0.0% | 292,940,905 | 263,441,998 | 11.2% |
| 5Y YIELD | 0 | 0 | 0.0% | 10 | 578 | -98.27% | 0 | 0 | 0.0% | 969 | 21,839 | -95.6% |
| 7-YR Eris LIBOR | 0 | 0 | 0.0% | 0 | 1,643 | -100.00% | 0 | 0 | 0.0% | 2,242 | 25,156 | -91.1% |
| 7-YR Eris SOFR | 0 | 0 | 0.0% | 820 | 69 | 1,088.41% | 0 | 0 | 0.0% | 7,916 | 380 | 1,983.2% |
| BSBY 3-MONTH FUTURES | 0 | 0 | 0.0% | 233 | 25,525 | -99.09% | 0 | 0 | 0.0% | 32,037 | 539,248 | -94.1% |
| ESTR Basis Spread Futures | 0 | 0 | 0.0% | 1,159 | 41 | 2,726.83% | 0 | 0 | 0.0% | 13,767 | 41 | 33,478.0% |
| ESTR Futures | 0 | 0 | 0.0% | 259,960 | 11 | 2,363,172.73% | 0 | 0 | 0.0% | 1,056,833 | 11 | 9,607,472.7% |
| EURODOLLARS | 0 | 632,652 | -100.0% | 0 | 17,085,381 | -100.00% | 258,492 | 7,464,581 | -96.5% | 27,895,109 | 356,446,490 | -92.2% |
| FED FUND | 0 | 0 | 0.0% | 8,912,961 | 6,427,977 | 38.66% | 0 | 0 | 0.0% | 95,967,388 | 71,747,874 | 33.8% |
| FTIE | 0 | 0 | 0.0% | 0 | 35 | -100.00% | 0 | 0 | 0.0% | 1,774 | 916 | 93.7% |
| SOFR | 411,048 | 231,401 | 77.6% | 68,829,366 | 40,807,557 | 68.67% | 6,279,205 | 1,025,635 | 512.2% | 678,861,662 | 346,697,454 | 95.8% |
| SONIA | 0 | 0 | 0.0% | 108 | 0 | 0.00% | 0 | 0 | 0.0% | 365 | 1,293 | -71.8% |
| UBSBM | 0 | - | - | 910 | - | | 0 | - | - | 1,350 | - | - |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 10,905,417 | 6,802,784 | 60.31% | 0 | 0 | 0.0% | 94,167,415 | 77,009,648 | 22.3% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 6,613,583 | 3,597,455 | 83.84% | 0 | 0 | 0.0% | 56,570,090 | 45,585,102 | 24.1% |

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|------------------------------|----------------------------|----------------------------|---------|------------------|------------------|------------|------------------------------|------------------------------|--------|--------------------|-----------------------|----------|
| Interest Rate Options | | | | | | | | | | | | |
| 10-YR NOTE | 0 | 0 | 0.0% | 18,886,463 | 13,354,341 | 41.43% | 0 | 0 | 0.0% | 142,669,774 | 134,980,487 | 5.7% |
| 2-YR NOTE | 0 | 0 | 0.0% | 779,944 | 215,044 | 262.69% | 0 | 0 | 0.0% | 4,813,377 | 808,051 | 495.7% |
| 30-YR BOND | 0 | 0 | 0.0% | 4,583,799 | 2,390,931 | 91.72% | 0 | 0 | 0.0% | 28,716,087 | 24,835,273 | 15.6% |
| 5-YR NOTE | 0 | 0 | 0.0% | 5,703,587 | 4,591,026 | 24.23% | 0 | 0 | 0.0% | 59,857,405 | 50,277,439 | 19.1% |
| EURODOLLARS | 0 | 4,159,347 | -100.0% | 0 | 6,796,048 | -100.00% | 1,894,920 | 75,391,175 | -97.5% | 7,456,246 | 39,586,899 | -81.2% |
| EURO MIDCURVE | 0 | 723,808 | -100.0% | 0 | 377,028 | -100.00% | 396,228 | 40,973,885 | -99.0% | 201,525 | 21,262,186 | -99.1% |
| FED FUND | 0 | 0 | 0.0% | 0 | 4,000 | -100.00% | 0 | 0 | 0.0% | 4 | 4,045 | -99.9% |
| SOFR | 13,913,896 | 9,044,344 | 53.8% | 8,693,730 | 3,415,804 | 154.51% | 181,653,060 | 35,524,629 | 411.3% | 81,374,157 | 13,173,744 | 517.7% |
| SOFR MIDCURVE | 4,656,055 | 2,226,563 | 109.1% | 2,605,943 | 1,023,941 | 154.50% | 43,733,397 | 10,516,524 | 315.9% | 18,198,258 | 4,045,826 | 349.8% |
| SOFR MISCURVE | 0 | - | - | 0 | - | - | 0 | - | - | 700 | - | - |
| Ultra 10-Year Note | 0 | 0 | 0.0% | 31,838 | 75 | 42,350.67% | 0 | 0 | 0.0% | 39,797 | 826 | 4,718.0% |
| ULTRA T-BOND | 0 | 0 | 0.0% | 25,637 | 1,693 | 1,414.29% | 0 | 0 | 0.0% | 61,338 | 23,448 | 161.6% |
| Equity Index Futures | | | | | | | | | | | | |
| BITCOIN | 0 | 0 | 0.0% | 274,084 | 266,286 | 2.93% | 0 | 0 | 0.0% | 2,132,204 | 2,129,293 | 0.1% |
| DJ US REAL ESTATE SECTOR | 0 | 0 | 0.0% | 22,498 | 35,903 | -37.34% | 0 | 0 | 0.0% | 310,331 | 355,347 | -12.7% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 4,609,718 | 4,197,769 | 9.81% | 0 | 0 | 0.0% | 36,855,961 | 42,851,287 | -14.0% |
| E-mini FTSE China 50 | 0 | 0 | 0.0% | 0 | 116 | -100.00% | 0 | 0 | 0.0% | 44 | 7,122 | -99.4% |
| E-MINI MIDCAP | 0 | 0 | 0.0% | 279,006 | 291,192 | -4.18% | 0 | 0 | 0.0% | 2,749,319 | 3,325,621 | -17.3% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 16,834,566 | 15,974,485 | 5.38% | 0 | 0 | 0.0% | 141,036,450 | 148,974,499 | -5.3% |
| E-MINI RUSSELL 1000 | 0 | 0 | 0.0% | 2,179 | 1,613 | 35.09% | 0 | 0 | 0.0% | 25,775 | 30,269 | -14.8% |
| E-MINI RUSSELL 1000 GROWT | 0 | 0 | 0.0% | 1,427 | 2,729 | -47.71% | 0 | 0 | 0.0% | 24,623 | 46,624 | -47.2% |
| E-MINI RUSSELL 1000 VALUE | 0 | 0 | 0.0% | 2,179 | 2,337 | -6.76% | 0 | 0 | 0.0% | 46,306 | 78,757 | -41.2% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 5,106,169 | 5,141,662 | -0.69% | 0 | 0 | 0.0% | 45,568,794 | 50,599,453 | -9.9% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 43,705,074 | 47,784,324 | -8.54% | 0 | 0 | 0.0% | 379,123,429 | 421,493,030 | -10.1% |
| E-MINI S&P500 ESG | 0 | 0 | 0.0% | 16,281 | 26,163 | -37.77% | 0 | 0 | 0.0% | 187,942 | 260,397 | -27.8% |
| ETHER | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 7 | -100.0% |
| ETHER FUTURES | 0 | 0 | 0.0% | 119,750 | 131,553 | -8.97% | 0 | 0 | 0.0% | 1,011,150 | 1,321,417 | -23.5% |
| FT-SE 100 | 0 | 0 | 0.0% | 90 | 145 | -37.93% | 0 | 0 | 0.0% | 841 | 1,524 | -44.8% |
| FTSE Emerging | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| IBOVESPA INDEX | 0 | 0 | 0.0% | 29 | 52 | -44.23% | 0 | 0 | 0.0% | 327 | 581 | -43.7% |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| MICRO BITCOIN | 0 | 0 | 0.0% | 253,607 | 218,951 | 15.83% | 0 | 0 | 0.0% | 2,029,147 | 3,220,940 | -37.0% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 31,254,193 | 31,704,461 | -1.42% | 0 | 0 | 0.0% | 232,872,867 | 315,858,218 | -26.3% |
| MICRO E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 1,724,173 | 2,931,274 | -41.18% | 0 | 0 | 0.0% | 16,032,820 | 28,854,544 | -44.4% |
| MICRO E-MINI S&P500 | 0 | 0 | 0.0% | 25,500,127 | 33,300,874 | -23.43% | 0 | 0 | 0.0% | 217,747,972 | 290,713,102 | -25.1% |
| MICRO ETHER | 0 | 0 | 0.0% | 228,921 | 329,615 | -30.55% | 0 | 0 | 0.0% | 1,783,990 | 4,251,026 | -58.0% |
| MICRO MINI \$5 DOW | 0 | 0 | 0.0% | 2,532,108 | 3,671,649 | -31.04% | 0 | 0 | 0.0% | 22,677,379 | 38,801,024 | -41.6% |
| NASDAQ-100 VOLATILITY | 0 | 0 | 0.0% | 0 | 70 | -100.00% | 0 | 0 | 0.0% | 3,203 | 18,519 | -82.7% |
| NASDAQ BIOTECH SECTOR | 0 | 0 | 0.0% | 5 | 202 | -97.52% | 0 | 0 | 0.0% | 1,194 | 2,160 | -44.7% |
| Nearby BTIC+ | 0 | 0 | 0.0% | 0 | 750 | -100.00% | 0 | 0 | 0.0% | 0 | 5,200 | -100.0% |
| NIKKEI 225 (\$) STOCK | 0 | 0 | 0.0% | 185,314 | 100,356 | 84.66% | 0 | 0 | 0.0% | 1,426,287 | 1,173,271 | 21.6% |
| NIKKEI 225 (YEN) STOCK | 0 | 0 | 0.0% | 848,669 | 759,153 | 11.79% | 0 | 0 | 0.0% | 6,490,532 | 7,913,855 | -18.0% |
| PHLX SEMICONDUCTOR SECT | 0 | 0 | 0.0% | 25 | 829 | -96.98% | 0 | 0 | 0.0% | 2,168 | 1,463 | 48.2% |
| S&P 500 | 0 | 0 | 0.0% | 2,284 | 4,003 | -42.94% | 0 | 0 | 0.0% | 26,067 | 5,846 | 345.9% |
| S&P 500 ANNUAL DIVIDEND IN | 0 | 0 | 0.0% | 47,168 | 30,538 | 54.46% | 0 | 0 | 0.0% | 358,018 | 287,156 | 24.7% |
| S&P 500 QUARLY DIVIDEND IN | 0 | 0 | 0.0% | 5,296 | 2,889 | 83.32% | 0 | 0 | 0.0% | 93,433 | 18,228 | 412.6% |
| S&P 600 SMALLCAP EMINI | 0 | - | - | 129 | - | | 0 | - | - | 505 | - | - |
| S&P BIOTECHNOLOGY SECTO | 0 | 0 | 0.0% | 718 | 934 | -23.13% | 0 | 0 | 0.0% | 5,606 | 8,141 | -31.1% |
| S&P COMMUNICATION SERVIC | 0 | 0 | 0.0% | 2,560 | 3,037 | -15.71% | 0 | 0 | 0.0% | 37,733 | 34,593 | 9.1% |
| S&P CONSUMER DISCRETION | 0 | 0 | 0.0% | 5,558 | 6,711 | -17.18% | 0 | 0 | 0.0% | 55,167 | 71,958 | -23.3% |
| S&P CONSUMER STAPLES SE | 0 | 0 | 0.0% | 10,643 | 13,696 | -22.29% | 0 | 0 | 0.0% | 172,786 | 173,599 | -0.5% |
| S&P ENERGY SECTOR | 0 | 0 | 0.0% | 20,696 | 30,772 | -32.74% | 0 | 0 | 0.0% | 242,244 | 456,266 | -46.9% |
| S&P FINANCIAL SECTOR | 0 | 0 | 0.0% | 10,377 | 15,009 | -30.86% | 0 | 0 | 0.0% | 211,572 | 242,746 | -12.8% |
| S&P HEALTH CARE SECTOR | 0 | 0 | 0.0% | 7,634 | 9,387 | -18.67% | 0 | 0 | 0.0% | 127,114 | 182,317 | -30.3% |
| S&P INDUSTRIAL SECTOR | 0 | 0 | 0.0% | 7,493 | 10,630 | -29.51% | 0 | 0 | 0.0% | 112,299 | 133,432 | -15.8% |
| S&P MATERIALS SECTOR | 0 | 0 | 0.0% | 4,514 | 7,209 | -37.38% | 0 | 0 | 0.0% | 79,239 | 85,266 | -7.1% |
| S&P OIL & GAS EXPLORATION | 0 | 0 | 0.0% | 183 | 494 | -62.96% | 0 | 0 | 0.0% | 1,776 | 4,319 | -58.9% |
| S&P REAL ESTATE SECTOR | 0 | 0 | 0.0% | 2,834 | 3,272 | -13.39% | 0 | 0 | 0.0% | 60,635 | 42,553 | 42.5% |
| S&P REGIONAL BANKS SECTO | 0 | 0 | 0.0% | 456 | 472 | -3.39% | 0 | 0 | 0.0% | 7,649 | 2,039 | 275.1% |
| S&P RETAIL SECTOR | 0 | 0 | 0.0% | 174 | 180 | -3.33% | 0 | 0 | 0.0% | 2,203 | 2,839 | -22.4% |
| S&P TECHNOLOGY SECTOR | 0 | 0 | 0.0% | 6,162 | 25,028 | -75.38% | 0 | 0 | 0.0% | 107,967 | 213,864 | -49.5% |
| S&P UTILITIES SECTOR | 0 | 0 | 0.0% | 17,612 | 14,092 | 24.98% | 0 | 0 | 0.0% | 178,794 | 177,997 | 0.4% |
| S&P VALUE INDEX FUTURES | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| TOPIX (USD) | 0 | - | - | 60 | - | | 0 | - | - | 826 | - | - |
| TOPIX (YEN) | 0 | 0 | 0.0% | 661 | 39 | 1,594.87% | 0 | 0 | 0.0% | 2,899 | 19,805 | -85.4% |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Equity Index Futures | | | | | | | | | | | | |
| WATER INDEX FUTURES | 0 | 0 | 0.0% | 21 | 0 | 0.00% | 0 | 0 | 0.0% | 149 | 592 | -74.8% |
| Equity Index Options | | | | | | | | | | | | |
| BITCOIN OPTIONS | 0 | 0 | 0.0% | 3,645 | 1,760 | 107.10% | 0 | 0 | 0.0% | 27,590 | 14,669 | 88.1% |
| DJIA | 0 | 0 | 0.0% | 1,795 | 3,079 | -41.70% | 0 | 0 | 0.0% | 62,279 | 4,971 | 1,152.8% |
| E-mini (\$5) Dow | 0 | 0 | 0.0% | 514 | 2,616 | -80.35% | 0 | 0 | 0.0% | 6,151 | 21,868 | -71.9% |
| E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 1,695,394 | 1,059,100 | 60.08% | 0 | 0 | 0.0% | 13,858,653 | 10,071,589 | 37.6% |
| E-MINI RUSSELL 2000 | 0 | 0 | 0.0% | 159,519 | 125,909 | 26.69% | 0 | 0 | 0.0% | 1,384,479 | 1,357,267 | 2.0% |
| E-MINI S&P500 | 0 | 0 | 0.0% | 37,407,989 | 27,409,553 | 36.48% | 0 | 0 | 0.0% | 255,575,268 | 223,136,795 | 14.5% |
| EOM S&P 500 | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ETHER OPTIONS | 0 | 0 | 0.0% | 3,942 | 296 | 1,231.76% | 0 | 0 | 0.0% | 15,178 | 394 | 3,752.3% |
| EVENT CONTRACT S&P 500 | 0 | - | - | 11,674 | - | | 0 | - | - | 65,815 | - | - |
| MICRO BITCOIN | 0 | 0 | 0.0% | 17,078 | 7,057 | 142.00% | 0 | 0 | 0.0% | 112,246 | 71,017 | 58.1% |
| MICRO E-MINI NASDAQ 100 | 0 | 0 | 0.0% | 70,643 | 47,091 | 50.01% | 0 | 0 | 0.0% | 573,935 | 545,862 | 5.1% |
| Micro E-mini S&P 500 | 0 | 0 | 0.0% | 399,532 | 221,386 | 80.47% | 0 | 0 | 0.0% | 2,523,379 | 2,335,297 | 8.1% |
| MICRO ETHER | 0 | 0 | 0.0% | 43,416 | 39,574 | 9.71% | 0 | 0 | 0.0% | 200,187 | 242,189 | -17.3% |
| S&P 500 | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Metals Futures | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 129,434 | 52,849 | 144.91% | 0 | 0 | 0.0% | 869,070 | 324,097 | 168.2% |
| COBALT METAL FUTURES | 0 | 0 | 0.0% | 12 | 1 | 1,100.00% | 0 | 0 | 0.0% | 409 | 15 | 2,626.7% |
| COMEX COPPER | 0 | 0 | 0.0% | 1,973,408 | 1,808,044 | 9.15% | 0 | 0 | 0.0% | 21,001,201 | 17,581,755 | 19.4% |
| COMEX E-Mini GOLD | 0 | 0 | 0.0% | 24,868 | 45,577 | -45.44% | 0 | 0 | 0.0% | 317,221 | 320,033 | -0.9% |
| COMEX E-Mini SILVER | 0 | 0 | 0.0% | 7,088 | 4,378 | 61.90% | 0 | 0 | 0.0% | 58,836 | 38,364 | 53.4% |
| COMEX GOLD | 0 | 0 | 0.0% | 4,875,278 | 3,927,652 | 24.13% | 0 | 0 | 0.0% | 46,495,137 | 44,523,427 | 4.4% |
| COMEX MINY COPPER | 0 | 0 | 0.0% | 5,798 | 2,817 | 105.82% | 0 | 0 | 0.0% | 55,753 | 34,953 | 59.5% |
| COMEX SILVER | 0 | 0 | 0.0% | 1,415,093 | 1,322,197 | 7.03% | 0 | 0 | 0.0% | 14,816,892 | 13,865,778 | 6.9% |
| COPPER | 0 | 0 | 0.0% | 92,028 | 71,359 | 28.96% | 0 | 0 | 0.0% | 1,049,686 | 417,140 | 151.6% |
| FERROUS PRODUCTS | 0 | 0 | 0.0% | 485 | 281 | 72.60% | 0 | 0 | 0.0% | 4,067 | 3,949 | 3.0% |
| GOLD | 0 | 0 | 0.0% | 1,352 | 798 | 69.42% | 0 | 0 | 0.0% | 5,514 | 59,990 | -90.8% |
| HOT ROLLED COIL STEEL FUT | 0 | 0 | 0.0% | 1,752 | 1,624 | 7.88% | 0 | 0 | 0.0% | 15,944 | 7,922 | 101.3% |
| IRON ORE CHINA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| LITHIUM CARBONATE FUTURE | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| METALS | 0 | 0 | 0.0% | 10 | 35 | -71.43% | 0 | 0 | 0.0% | 155 | 106 | 46.2% |
| MICRO GOLD | 0 | 0 | 0.0% | 1,455,202 | 941,893 | 54.50% | 0 | 0 | 0.0% | 13,802,313 | 10,680,912 | 29.2% |
| MOLYBDENUM OXIDE FUTURE | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| NYMEX HOT ROLLED STEEL | 0 | 0 | 0.0% | 11,580 | 6,331 | 82.91% | 0 | 0 | 0.0% | 94,559 | 51,249 | 84.5% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 490,570 | 404,976 | 21.14% | 0 | 0 | 0.0% | 4,770,193 | 4,100,292 | 16.3% |
| PALLADIUM | 0 | 0 | 0.0% | 78,920 | 38,634 | 104.28% | 0 | 0 | 0.0% | 660,881 | 434,468 | 52.1% |
| SILVER | 0 | 0 | 0.0% | 276,251 | 173,016 | 59.67% | 0 | 0 | 0.0% | 2,239,067 | 1,620,641 | 38.2% |
| URANIUM | 0 | 0 | 0.0% | 1 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 24 | -79.2% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Metals Options | | | | | | | | | | | | |
| ALUMINUM | 0 | 0 | 0.0% | 1,192 | 237 | 402.95% | 0 | 0 | 0.0% | 9,360 | 455 | 1,957.1% |
| COMEX COPPER | 0 | 0 | 0.0% | 85,927 | 58,949 | 45.76% | 0 | 0 | 0.0% | 944,925 | 596,643 | 58.4% |
| COMEX GOLD | 0 | 0 | 0.0% | 1,353,002 | 652,453 | 107.37% | 0 | 0 | 0.0% | 9,125,324 | 7,261,476 | 25.7% |
| COMEX SILVER | 0 | 0 | 0.0% | 155,302 | 133,547 | 16.29% | 0 | 0 | 0.0% | 1,453,557 | 1,030,967 | 41.0% |
| COPPER | 0 | 0 | 0.0% | 13,043 | 4,062 | 221.10% | 0 | 0 | 0.0% | 89,803 | 18,481 | 385.9% |
| GOLD | 0 | 0 | 0.0% | 354,552 | 192,449 | 84.23% | 0 | 0 | 0.0% | 2,716,354 | 2,078,511 | 30.7% |
| 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% | 171 | 0 | 0.00% | 0 | 0 | 0.0% | 386 | 0 | 0.0% |
| NYMEX PLATINUM | 0 | 0 | 0.0% | 4,443 | 312 | 1,324.04% | 0 | 0 | 0.0% | 46,361 | 4,842 | 857.5% |
| PALLADIUM | 0 | 0 | 0.0% | 650 | 8 | 8,025.00% | 0 | 0 | 0.0% | 4,714 | 135 | 3,391.9% |
| SILVER | 0 | 0 | 0.0% | 52,257 | 29,381 | 77.86% | 0 | 0 | 0.0% | 397,421 | 192,478 | 106.5% |
| Energy Futures | | | | | | | | | | | | |
| 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% |
| 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% | 1,637,178 | 1,417,149 | 15.53% | 0 | 0 | 0.0% | 12,355,132 | 14,487,397 | -14.7% |
| CAR VINTAGE | 0 | 0 | 0.0% | 11,857 | 5,264 | 125.25% | 0 | 0 | 0.0% | 97,273 | 60,413 | 61.0% |
| CEU ENERGY | 0 | - | - | 177 | - | | 0 | - | - | 337 | - | - |
| CHICAGO ETHANOL SWAP | 0 | 0 | 0.0% | 156 | 175 | -10.86% | 0 | 0 | 0.0% | 1,431 | 1,503 | -4.8% |
| 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% |
| 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 | 1 | -100.00% | 0 | 0 | 0.0% | 0 | 75 | -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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 508 | 190 | 167.37% | 0 | 0 | 0.0% | 3,190 | 190 | 1,578.9% |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 20,931,614 | 16,151,786 | 29.59% | 0 | 0 | 0.0% | 190,501,899 | 197,119,752 | -3.4% |
| CRUDE OIL SPRDS | 0 | 0 | 0.0% | 466 | 35 | 1,231.43% | 0 | 0 | 0.0% | 2,413 | 35 | 6,794.3% |
| 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 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 | 0.00% | - | 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% | 49,290 | 0 | 0.00% | 0 | 0 | 0.0% | 231,379 | 10,828 | 2,036.9% |
| EAST/WEST FUEL OIL SPREAD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EIA FLAT TAX ONHWAY DIESE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 12 | -100.0% |
| ELEC FINSETTLED | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| ELECTRICITY OFF PEAK | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EMMISSIONS | 0 | 0 | 0.0% | 3,148 | 1,437 | 119.07% | 0 | 0 | 0.0% | 23,347 | 19,037 | 22.6% |
| 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% |
| 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 GASOIL 10 CAL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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 3.5% FUEL OIL MED | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% | 48 | 99 | -51.52% | 0 | 0 | 0.0% | 341 | 2,505 | -86.4% |
| 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 | 0.00% | - | 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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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 | 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% |
| GERMAN POWER BASELOAD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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 | 0.00% | - | 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% |
| 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% | 3,516,282 | 3,447,055 | 2.01% | 0 | 0 | 0.0% | 32,037,337 | 32,977,695 | -2.9% |
| HENRY HUB SWAP | 0 | 0 | 0.0% | 0 | 162 | -100.00% | 0 | 0 | 0.0% | 176 | 1,470 | -88.0% |
| HOUSTON SHIP CHANNEL BAS | - | 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 | 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| INDIANA MISO | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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 | 0.00% | - | 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% |
| LTD NAT GAS | 0 | 0 | 0.0% | 292,171 | 243,614 | 19.93% | 0 | 0 | 0.0% | 2,525,841 | 2,402,861 | 5.1% |
| 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% |
| MCCLOSKEY ARA ARGS COAL | 0 | 0 | 0.0% | 484 | 265 | 82.64% | 0 | 0 | 0.0% | 3,124 | 6,259 | -50.1% |
| MCCLOSKEY RCH BAY COAL | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 140 | -100.0% |
| MGN1 SWAP FUT | - | 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% |
| 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% | 12 | 10 | 20.00% | 0 | 0 | 0.0% | 106 | 86 | 23.3% |
| MINY NATURAL GAS | 0 | 0 | 0.0% | 167,269 | 198,820 | -15.87% | 0 | 0 | 0.0% | 2,230,084 | 3,085,527 | -27.7% |
| MINY RBOB GAS | 0 | 0 | 0.0% | 10 | 7 | 42.86% | 0 | 0 | 0.0% | 92 | 90 | 2.2% |
| MINY WTI CRUDE OIL | 0 | 0 | 0.0% | 333,368 | 463,840 | -28.13% | 0 | 0 | 0.0% | 3,132,760 | 6,121,343 | -48.8% |
| 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 | 310 | -100.0% |
| 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% | 99 | 198 | -50.00% | 0 | 0 | 0.0% | 299 | 527 | -43.3% |
| 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 | 46 | -100.00% | 0 | 0 | 0.0% | 19 | 221 | -91.4% |
| 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% | 30 | 0 | 0.00% | 0 | 0 | 0.0% | 30 | 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% | 77,139 | 32,982 | 133.88% | 0 | 0 | 0.0% | 637,308 | 429,033 | 48.5% |
| NATURAL GAS PEN SWP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PHY | 0 | 0 | 0.0% | 9,060,985 | 6,296,137 | 43.91% | 0 | 0 | 0.0% | 81,642,987 | 70,186,789 | 16.3% |
| NEPOOL INTR HUB 5MW D AH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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 | 0.00% | - | 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% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 31 | 0 | 0.00% | 0 | 0 | 0.0% | 210 | 72 | 191.7% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO ZONE G 5MW D AH O P | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |
| 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 | 0.00% | - | 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 NI HUB 5MW REAL TIME | 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% |
| 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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Energy Futures | | | | | | | | | | | | |
| 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% | 3,147,727 | 2,883,787 | 9.15% | 0 | 0 | 0.0% | 35,108,626 | 33,842,348 | 3.7% |
| RBOB VS HEATING OIL SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 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 180 CS | 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% | 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 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% |
| 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% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| UK NBP NAT GAS CAL MTH FU | - | 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% | 16 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | 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% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| 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% | 1,619 | 3,598 | -55.00% | 0 | 0 | 0.0% | 37,924 | 30,577 | 24.0% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL 1MO | 0 | 0 | 0.0% | 475 | 400 | 18.75% | 0 | 0 | 0.0% | 5,725 | 32,658 | -82.5% |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | 0 | 0 | 0.0% | 5,693 | 4,173 | 36.42% | 0 | 0 | 0.0% | 64,816 | 5,601 | 1,057.2% |
| CRUDE OIL PHY | 0 | 0 | 0.0% | 3,417,883 | 1,554,271 | 119.90% | 0 | 0 | 0.0% | 22,632,017 | 20,132,583 | 12.4% |
| 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% | 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% | 874 | 2,129 | -58.95% | 0 | 0 | 0.0% | 10,585 | 22,539 | -53.0% |
| HENRY HUB FINANCIAL LAST | 0 | 0 | 0.0% | 226 | 3,243 | -93.03% | 0 | 0 | 0.0% | 19,872 | 6,156 | 222.8% |
| 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% |
| NATURAL GAS | 0 | 0 | 0.0% | 2,117 | 0 | 0.00% | 0 | 0 | 0.0% | 8,065 | 4,743 | 70.0% |
| NATURAL GAS 1 M CSO FIN | 0 | 0 | 0.0% | 10,200 | 550 | 1,754.55% | 0 | 0 | 0.0% | 47,957 | 6,250 | 667.3% |
| 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% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 79,265 | 800 | 9,808.1% |
| 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% | 2,449,083 | 857,883 | 185.48% | 0 | 0 | 0.0% | 16,114,057 | 9,925,221 | 62.4% |
| NATURAL GAS SUMMER STRIF | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | 0 | 0 | 0.0% | 22 | 226 | -90.27% | 0 | 0 | 0.0% | 843 | 1,881 | -55.2% |
| PETROCHEMICALS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 30 | 12 | 150.0% |
| PETRO OUTRIGHT EURO | - | 0 | 0.0% | - | 0 | 0.00% | - | 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% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|--------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| Energy Options | | | | | | | | | | | | |
| PJM WES HUB PEAK LMP 50M | - | 0 | 0.0% | - | 0 | 0.00% | - | 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 | 0 | 0.0% |
| RBOB PHY | 0 | 0 | 0.0% | 136 | 187 | -27.27% | 0 | 0 | 0.0% | 4,755 | 9,134 | -47.9% |
| 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% | 100 | 1,875 | -94.67% | 0 | 0 | 0.0% | 4,687 | 10,020 | -53.2% |
| WTI CRUDE OIL 1 M CSO FI | 0 | 0 | 0.0% | 300 | 300 | 0.00% | 0 | 0 | 0.0% | 4,750 | 571 | 731.9% |
| FX Futures | | | | | | | | | | | | |
| AD/CD CROSS RATES | 0 | 0 | 0.0% | 0 | 53 | -100.00% | 0 | 0 | 0.0% | 170 | 519 | -67.2% |
| AD/JY CROSS RATES | 0 | 0 | 0.0% | 1,747 | 3,643 | -52.05% | 0 | 0 | 0.0% | 15,000 | 45,501 | -67.0% |
| AD/NE CROSS RATES | 0 | 0 | 0.0% | 5,194 | 9,238 | -43.78% | 0 | 0 | 0.0% | 33,911 | 38,932 | -12.9% |
| AUSTRALIAN DOLLAR | 0 | 0 | 0.0% | 2,372,149 | 2,169,565 | 9.34% | 0 | 0 | 0.0% | 20,738,150 | 21,182,356 | -2.1% |
| BP/JY CROSS RATES | 0 | 0 | 0.0% | 2,418 | 5,154 | -53.08% | 0 | 0 | 0.0% | 21,551 | 45,838 | -53.0% |
| BP/SF CROSS RATES | 0 | 0 | 0.0% | 3,330 | 3,161 | 5.35% | 0 | 0 | 0.0% | 21,472 | 21,883 | -1.9% |
| BRAZIL REAL | 0 | 0 | 0.0% | 389,014 | 314,064 | 23.86% | 0 | 0 | 0.0% | 2,811,178 | 2,807,923 | 0.1% |
| BRITISH POUND | 0 | 0 | 0.0% | 2,166,033 | 3,078,112 | -29.63% | 0 | 0 | 0.0% | 21,952,186 | 25,982,214 | -15.5% |
| CANADIAN DOLLAR | 0 | 0 | 0.0% | 1,936,575 | 2,038,426 | -5.00% | 0 | 0 | 0.0% | 17,574,059 | 19,026,305 | -7.6% |
| CD/JY CROSS RATES | 0 | 0 | 0.0% | 45 | 71 | -36.62% | 0 | 0 | 0.0% | 578 | 358 | 61.5% |
| CHILEAN PESO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 45 | 24 | 87.5% |
| CHINESE RENMINBI (CNH) | 0 | 0 | 0.0% | 51,417 | 45,898 | 12.02% | 0 | 0 | 0.0% | 313,835 | 299,033 | 4.9% |
| CZECK KORUNA (EC) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 6 | 19 | -68.4% |
| CZECK KORUNA (US) | 0 | 0 | 0.0% | 7 | 2 | 250.00% | 0 | 0 | 0.0% | 42 | 28 | 50.0% |
| EC/AD CROSS RATES | 0 | 0 | 0.0% | 2,939 | 3,180 | -7.58% | 0 | 0 | 0.0% | 53,018 | 57,201 | -7.3% |
| EC/CD CROSS RATES | 0 | 0 | 0.0% | 1,805 | 4,679 | -61.42% | 0 | 0 | 0.0% | 59,181 | 80,593 | -26.6% |
| EC/NOK CROSS RATES | 0 | 0 | 0.0% | 1,115 | 421 | 164.85% | 0 | 0 | 0.0% | 11,107 | 18,709 | -40.6% |
| EC/SEK CROSS RATES | 0 | 0 | 0.0% | 6,340 | 871 | 627.90% | 0 | 0 | 0.0% | 25,015 | 23,232 | 7.7% |
| EFX/BP CROSS RATES | 0 | 0 | 0.0% | 87,298 | 80,325 | 8.68% | 0 | 0 | 0.0% | 700,880 | 965,420 | -27.4% |
| EFX/JY CROSS RATES | 0 | 0 | 0.0% | 47,115 | 30,495 | 54.50% | 0 | 0 | 0.0% | 497,852 | 551,698 | -9.8% |
| EFX/SF CROSS RATES | 0 | 0 | 0.0% | 20,801 | 25,872 | -19.60% | 0 | 0 | 0.0% | 229,177 | 400,583 | -42.8% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|-----------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Futures | | | | | | | | | | | | |
| E-MICRO USD/CAD | 0 | 0 | 0.0% | 16 | 20 | -20.00% | 0 | 0 | 0.0% | 1,085 | 1,838 | -41.0% |
| E-MICRO USD/CHF | 0 | 0 | 0.0% | 70 | 32 | 118.75% | 0 | 0 | 0.0% | 1,389 | 739 | 88.0% |
| E-MICRO USD/JPY | 0 | 0 | 0.0% | 756 | 837 | -9.68% | 0 | 0 | 0.0% | 34,585 | 151,161 | -77.1% |
| E-MINI EURO FX | 0 | 0 | 0.0% | 100,319 | 161,440 | -37.86% | 0 | 0 | 0.0% | 1,193,278 | 1,521,352 | -21.6% |
| E-MINI JAPANESE YEN | 0 | 0 | 0.0% | 11,427 | 16,060 | -28.85% | 0 | 0 | 0.0% | 121,181 | 121,696 | -0.4% |
| EURO FX | 0 | 0 | 0.0% | 4,645,216 | 4,623,869 | 0.46% | 0 | 0 | 0.0% | 47,361,115 | 50,147,491 | -5.6% |
| HUNGARIAN FORINT (EC) | 0 | 0 | 0.0% | 4 | 1 | 300.00% | 0 | 0 | 0.0% | 41 | 3 | 1,266.7% |
| HUNGARIAN FORINT (US) | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 86 | 42 | 104.8% |
| INDIAN RUPEE | 0 | 0 | 0.0% | 13,294 | 39,230 | -66.11% | 0 | 0 | 0.0% | 251,643 | 266,681 | -5.6% |
| JAPANESE YEN | 0 | 0 | 0.0% | 3,662,698 | 3,648,629 | 0.39% | 0 | 0 | 0.0% | 35,885,847 | 32,759,084 | 9.5% |
| KOREAN WON | 0 | 0 | 0.0% | 324 | 492 | -34.15% | 0 | 0 | 0.0% | 4,081 | 3,375 | 20.9% |
| MEXICAN PESO | 0 | 0 | 0.0% | 1,775,711 | 1,373,837 | 29.25% | 0 | 0 | 0.0% | 13,361,049 | 12,228,759 | 9.3% |
| MICRO AUD/USD | 0 | 0 | 0.0% | 319,612 | 289,867 | 10.26% | 0 | 0 | 0.0% | 2,758,686 | 2,644,276 | 4.3% |
| MICRO CAD/USD | 0 | 0 | 0.0% | 51,643 | 85,931 | -39.90% | 0 | 0 | 0.0% | 517,834 | 613,635 | -15.6% |
| MICRO CHF/USD | 0 | 0 | 0.0% | 14,895 | 16,673 | -10.66% | 0 | 0 | 0.0% | 155,909 | 174,102 | -10.4% |
| MICRO EUR/USD | 0 | 0 | 0.0% | 569,347 | 923,965 | -38.38% | 0 | 0 | 0.0% | 6,122,820 | 7,922,863 | -22.7% |
| MICRO GBP/USD | 0 | 0 | 0.0% | 69,986 | 234,107 | -70.11% | 0 | 0 | 0.0% | 687,342 | 1,252,857 | -45.1% |
| MICRO INR/USD | 0 | 0 | 0.0% | 270 | 621 | -56.52% | 0 | 0 | 0.0% | 4,092 | 7,043 | -41.9% |
| MICRO JPY/USD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 101,719 | -100.0% |
| MICRO USD/CNH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 2 | -100.0% |
| NEW ZEALND DOLLAR | 0 | 0 | 0.0% | 710,127 | 737,969 | -3.77% | 0 | 0 | 0.0% | 6,583,371 | 6,505,484 | 1.2% |
| NKR/USD CROSS RATE | 0 | 0 | 0.0% | 1,733 | 1,546 | 12.10% | 0 | 0 | 0.0% | 31,276 | 28,523 | 9.7% |
| POLISH ZLOTY (EC) | 0 | 0 | 0.0% | 12 | 2 | 500.00% | 0 | 0 | 0.0% | 549 | 1,213 | -54.7% |
| POLISH ZLOTY (US) | 0 | 0 | 0.0% | 1,190 | 1,300 | -8.46% | 0 | 0 | 0.0% | 11,579 | 13,523 | -14.4% |
| RMB USD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 29 | -82.8% |
| RUSSIAN RUBLE | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 576,766 | -100.0% |
| S.AFRICAN RAND | 0 | 0 | 0.0% | 85,043 | 78,941 | 7.73% | 0 | 0 | 0.0% | 802,618 | 906,652 | -11.5% |
| SF/JY CROSS RATES | 0 | 0 | 0.0% | 643 | 447 | 43.85% | 0 | 0 | 0.0% | 5,569 | 5,596 | -0.5% |
| SHEKEL | 0 | 0 | 0.0% | 140 | 1 | 13,900.00% | 0 | 0 | 0.0% | 1,343 | 147 | 813.6% |
| SKR/USD CROSS RATES | 0 | 0 | 0.0% | 3,621 | 4,185 | -13.48% | 0 | 0 | 0.0% | 45,872 | 62,996 | -27.2% |
| SWISS FRANC | 0 | 0 | 0.0% | 496,983 | 456,997 | 8.75% | 0 | 0 | 0.0% | 4,562,888 | 5,461,918 | -16.5% |
| TURKISH LIRA | 0 | 0 | 0.0% | 0 | 24 | -100.00% | 0 | 0 | 0.0% | 20 | 26 | -23.1% |
| USDZAR | 0 | 0 | 0.0% | 85 | 0 | 0.00% | 0 | 0 | 0.0% | 200 | 31 | 545.2% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 96 | 5 | 1,820.00% | 0 | 0 | 0.0% | 1,875 | 1,759 | 6.6% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 216 | 18 | 1,100.00% | 0 | 0 | 0.0% | 3,886 | 3,261 | 19.2% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 51 | 134 | -61.94% | 0 | 0 | 0.0% | 2,039 | 2,420 | -15.7% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 502 | 91 | 451.65% | 0 | 0 | 0.0% | 3,176 | 3,234 | -1.8% |
| AUD/USD MONDAY OPTION W | 0 | 0 | 0.0% | 240 | 145 | 65.52% | 0 | 0 | 0.0% | 730 | 1,363 | -46.4% |
| AUD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 50,813 | 52,855 | -3.86% | 0 | 0 | 0.0% | 577,185 | 682,282 | -15.4% |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 33 | - | | 0 | - | - | 1,098 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 78 | - | | 0 | - | - | 870 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 46 | - | | 0 | - | - | 1,268 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 50 | - | | 0 | - | - | 1,617 | - | - |
| AUD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 498 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 81 | - | | 0 | - | - | 1,872 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 48 | - | | 0 | - | - | 1,850 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 85 | - | | 0 | - | - | 1,289 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 61 | - | | 0 | - | - | 1,291 | - | - |
| AUD/USD TUESDAY WKLY OPT | 0 | - | - | 201 | - | | 0 | - | - | 483 | - | - |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 27 | 0 | 0.00% | 0 | 0 | 0.0% | 4,332 | 4,572 | -5.2% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 822 | 2,122 | -61.26% | 0 | 0 | 0.0% | 12,599 | 14,998 | -16.0% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 951 | 1,072 | -11.29% | 0 | 0 | 0.0% | 13,771 | 19,410 | -29.1% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 928 | 2,541 | -63.48% | 0 | 0 | 0.0% | 15,127 | 16,112 | -6.1% |
| AUD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 3,278 | 5,196 | -36.9% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 66 | 432 | -84.72% | 0 | 0 | 0.0% | 4,402 | 6,061 | -27.4% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 336 | 477 | -29.56% | 0 | 0 | 0.0% | 2,878 | 4,671 | -38.4% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 214 | 186 | 15.05% | 0 | 0 | 0.0% | 3,078 | 5,504 | -44.1% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 126 | 127 | -0.79% | 0 | 0 | 0.0% | 2,365 | 4,735 | -50.1% |
| AUD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,279 | 578 | 121.3% |
| BRL/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 22 | -100.00% | 0 | 0 | 0.0% | 345 | 3,043 | -88.7% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 58 | 685 | -91.53% | 0 | 0 | 0.0% | 7,064 | 2,518 | 180.5% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 344 | 216 | 59.26% | 0 | 0 | 0.0% | 9,538 | 10,712 | -11.0% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 688 | 424 | 62.26% | 0 | 0 | 0.0% | 7,163 | 10,046 | -28.7% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 1,902 | 11 | 17,190.91% | 0 | 0 | 0.0% | 10,029 | 7,017 | 42.9% |
| CAD/USD MONDAY OPTIONS | 0 | 0 | 0.0% | 96 | 1,240 | -92.26% | 0 | 0 | 0.0% | 434 | 2,775 | -84.4% |
| CAD/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 33,814 | 61,022 | -44.59% | 0 | 0 | 0.0% | 476,407 | 600,246 | -20.6% |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 1,513 | - | | 0 | - | - | 4,001 | - | - |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 190 | - | | 0 | - | - | 3,054 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 1,398 | - | | 0 | - | - | 4,250 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 103 | - | | 0 | - | - | 4,954 | - | - |
| CAD/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 2,323 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 1,592 | - | | 0 | - | - | 4,680 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 2,211 | - | | 0 | - | - | 7,776 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 2,294 | - | | 0 | - | - | 5,558 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 1,055 | - | | 0 | - | - | 4,041 | - | - |
| CAD/USD TUESDAY WKLY OPT | 0 | - | - | 323 | - | | 0 | - | - | 1,240 | - | - |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 174 | 0 | 0.00% | 0 | 0 | 0.0% | 11,260 | 12,919 | -12.8% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,068 | 4,220 | -27.30% | 0 | 0 | 0.0% | 20,379 | 33,482 | -39.1% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,510 | 2,991 | 17.35% | 0 | 0 | 0.0% | 23,970 | 52,797 | -54.6% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,104 | 3,664 | -42.58% | 0 | 0 | 0.0% | 29,082 | 45,783 | -36.5% |
| CAD/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 10,973 | 12,620 | -13.1% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,454 | 992 | 147.38% | 0 | 0 | 0.0% | 13,896 | 10,164 | 36.7% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 811 | 804 | 0.87% | 0 | 0 | 0.0% | 10,568 | 12,025 | -12.1% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 980 | 1,062 | -7.72% | 0 | 0 | 0.0% | 10,377 | 14,567 | -28.8% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,347 | 1,681 | 39.62% | 0 | 0 | 0.0% | 12,941 | 15,814 | -18.2% |
| CAD/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 3,566 | 4,474 | -20.3% |
| CHF/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 5,421 | 3,267 | 65.93% | 0 | 0 | 0.0% | 37,192 | 42,809 | -13.1% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,103 | 989 | 112.6% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 116 | 30 | 286.67% | 0 | 0 | 0.0% | 5,658 | 901 | 528.0% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 794 | 46 | 1,626.09% | 0 | 0 | 0.0% | 7,713 | 1,047 | 636.7% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 262 | 30 | 773.33% | 0 | 0 | 0.0% | 16,023 | 1,237 | 1,195.3% |
| CHF/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 3,534 | 117 | 2,920.5% |
| EUR/GBP MONTHLY OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 204 | -100.0% |
| EUR/GBP WKLY FRIDAY OPTIC | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 478 | 2,851 | -83.23% | 0 | 0 | 0.0% | 15,492 | 19,254 | -19.5% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 3,153 | 2,552 | 23.55% | 0 | 0 | 0.0% | 18,550 | 24,957 | -25.7% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 3,034 | 763 | 297.64% | 0 | 0 | 0.0% | 15,789 | 10,423 | 51.5% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 2,564 | 1,471 | 74.30% | 0 | 0 | 0.0% | 17,683 | 26,308 | -32.8% |
| EUR/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,177 | 766 | 53.66% | 0 | 0 | 0.0% | 3,238 | 5,022 | -35.5% |
| EUR/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 267,397 | 297,060 | -9.99% | 0 | 0 | 0.0% | 2,429,931 | 2,481,538 | -2.1% |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 806 | - | | 0 | - | - | 7,730 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| FX Options | | | | | | | | | | | | |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 867 | - | | 0 | - | - | 7,267 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 197 | - | | 0 | - | - | 5,559 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 1,354 | - | | 0 | - | - | 9,514 | - | - |
| EUR/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 380 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 100 | - | | 0 | - | - | 3,983 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 673 | - | | 0 | - | - | 6,310 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 387 | - | | 0 | - | - | 6,467 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 1,463 | - | | 0 | - | - | 5,765 | - | - |
| EUR/USD TUESDAY WKLY OPT | 0 | - | - | 1,420 | - | | 0 | - | - | 3,008 | - | - |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 119 | 3 | 3,866.67% | 0 | 0 | 0.0% | 29,309 | 50,404 | -41.9% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 26,872 | 15,239 | 76.34% | 0 | 0 | 0.0% | 180,873 | 135,167 | 33.8% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 29,291 | 13,917 | 110.47% | 0 | 0 | 0.0% | 253,899 | 158,497 | 60.2% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 28,001 | 13,705 | 104.31% | 0 | 0 | 0.0% | 271,620 | 173,609 | 56.5% |
| EUR/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 34,918 | 58,029 | -39.8% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 10,323 | 9,153 | 12.78% | 0 | 0 | 0.0% | 52,999 | 66,409 | -20.2% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 8,112 | 7,267 | 11.63% | 0 | 0 | 0.0% | 63,416 | 55,341 | 14.6% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 7,515 | 5,698 | 31.89% | 0 | 0 | 0.0% | 50,205 | 53,358 | -5.9% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 6,584 | 8,678 | -24.13% | 0 | 0 | 0.0% | 48,275 | 64,648 | -25.3% |
| EUR/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 14,869 | 20,237 | -26.5% |
| EVENT CONTRACT EUR/USD | 0 | 0 | 0.0% | 4,702 | 1,820 | 158.35% | 0 | 0 | 0.0% | 56,328 | 3,510 | 1,504.8% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 205 | 381 | -46.19% | 0 | 0 | 0.0% | 6,399 | 5,289 | 21.0% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 165 | 509 | -67.58% | 0 | 0 | 0.0% | 9,124 | 10,712 | -14.8% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 1,593 | 273 | 483.52% | 0 | 0 | 0.0% | 5,266 | 3,183 | 65.4% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 157 | 829 | -81.06% | 0 | 0 | 0.0% | 7,064 | 5,709 | 23.7% |
| GBP/USD MONDAY OPTION W | 0 | 0 | 0.0% | 402 | 1,841 | -78.16% | 0 | 0 | 0.0% | 993 | 3,321 | -70.1% |
| GBP/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 56,755 | 87,716 | -35.30% | 0 | 0 | 0.0% | 610,772 | 770,392 | -20.7% |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 284 | - | | 0 | - | - | 2,537 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 206 | - | | 0 | - | - | 1,926 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 83 | - | | 0 | - | - | 2,393 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 36 | - | | 0 | - | - | 1,362 | - | - |
| GBP/USD THURSDAY WKLY O | 0 | - | - | 0 | - | | 0 | - | - | 363 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 156 | - | | 0 | - | - | 1,660 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 96 | - | | 0 | - | - | 3,013 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 577 | - | | 0 | - | - | 2,470 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 483 | - | | 0 | - | - | 2,163 | - | - |
| GBP/USD TUESDAY WKLY OPT | 0 | - | - | 121 | - | | 0 | - | - | 569 | - | - |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 68 | 0 | 0.00% | 0 | 0 | 0.0% | 6,696 | 7,507 | -10.8% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,775 | 4,004 | -5.72% | 0 | 0 | 0.0% | 29,027 | 22,403 | 29.6% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 2,782 | 3,166 | -12.13% | 0 | 0 | 0.0% | 36,864 | 27,075 | 36.2% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 3,823 | 2,078 | 83.97% | 0 | 0 | 0.0% | 25,765 | 25,751 | 0.1% |
| GBP/USD WKLY FRIDAY OPTIC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 6,641 | 8,769 | -24.3% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 934 | 1,398 | -33.19% | 0 | 0 | 0.0% | 8,227 | 12,628 | -34.9% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 504 | 539 | -6.49% | 0 | 0 | 0.0% | 9,490 | 4,832 | 96.4% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 448 | 1,069 | -58.09% | 0 | 0 | 0.0% | 11,583 | 9,879 | 17.2% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 408 | 1,586 | -74.27% | 0 | 0 | 0.0% | 6,782 | 10,068 | -32.6% |
| GBP/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,449 | 670 | 116.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 1,874 | 153 | 1,124.84% | 0 | 0 | 0.0% | 7,385 | 6,694 | 10.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 622 | 438 | 42.01% | 0 | 0 | 0.0% | 12,566 | 7,865 | 59.8% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 898 | 156 | 475.64% | 0 | 0 | 0.0% | 5,336 | 2,976 | 79.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 120 | 2,772 | -95.67% | 0 | 0 | 0.0% | 7,381 | 12,155 | -39.3% |
| JPY/USD MONDAY OPTION WE | 0 | 0 | 0.0% | 2,575 | 720 | 257.64% | 0 | 0 | 0.0% | 4,752 | 967 | 391.4% |
| JPY/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 119,959 | 131,230 | -8.59% | 0 | 0 | 0.0% | 956,595 | 1,292,668 | -26.0% |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 421 | - | | 0 | - | - | 2,626 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 238 | - | | 0 | - | - | 984 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 145 | - | | 0 | - | - | 425 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 305 | - | | 0 | - | - | 1,047 | - | - |
| JPY/USD THURSDAY WKLY OP | 0 | - | - | 0 | - | | 0 | - | - | 277 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 9 | - | | 0 | - | - | 1,468 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 135 | - | | 0 | - | - | 4,072 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 12 | - | | 0 | - | - | 2,431 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 68 | - | | 0 | - | - | 3,521 | - | - |
| JPY/USD TUESDAY WKLY OPT | 0 | - | - | 2,622 | - | | 0 | - | - | 2,762 | - | - |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 14 | 0 | 0.00% | 0 | 0 | 0.0% | 10,282 | 31,828 | -67.7% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 14,768 | 10,268 | 43.83% | 0 | 0 | 0.0% | 69,202 | 79,588 | -13.0% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 11,941 | 14,754 | -19.07% | 0 | 0 | 0.0% | 74,353 | 113,892 | -34.7% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 19,109 | 12,355 | 54.67% | 0 | 0 | 0.0% | 84,753 | 108,834 | -22.1% |
| JPY/USD WKLY FRIDAY OPTIO | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 18,790 | 37,049 | -49.3% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 7,618 | 9,752 | -21.88% | 0 | 0 | 0.0% | 34,923 | 40,595 | -14.0% |

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|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|--------------------|----------|
| FX Options | | | | | | | | | | | | |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 3,224 | 5,857 | -44.95% | 0 | 0 | 0.0% | 26,807 | 36,304 | -26.2% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 2,360 | 3,569 | -33.88% | 0 | 0 | 0.0% | 30,023 | 32,018 | -6.2% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 1,980 | 4,853 | -59.20% | 0 | 0 | 0.0% | 21,565 | 44,147 | -51.2% |
| JPY/USD WKLY WED OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 6,503 | 11,330 | -42.6% |
| MXN/USD MONTHLY OPTIONS | 0 | 0 | 0.0% | 1,815 | 353 | 414.16% | 0 | 0 | 0.0% | 6,023 | 6,865 | -12.3% |
| MXN/USD WKLY FRIDAY OPTI | 0 | - | - | 0 | - | | 0 | - | - | 5 | - | - |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 17 | -100.0% |
| MXN/USD WKLY FRIDAY OPTI | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| 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% | 7 | 10 | -30.00% | 0 | 0 | 0.0% | 695 | 680 | 2.2% |
| NZD/USD WKLY FRIDAY OPTIO | 0 | - | - | 0 | - | | 0 | - | - | 2 | - | - |
| 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 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| USD/CNH MONTHLY OPTIONS | 0 | - | - | 20 | - | | 0 | - | - | 71 | - | - |
| USD/CNH WEEKLY FRIDAY OP | 0 | - | - | 0 | - | | 0 | - | - | 34 | - | - |
| ZAR/USD MONTHLY OPTIONS | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |

Ag Products Futures

| | | | | | | | | | | | | |
|--------------------------|---|---|------|-----------|-----------|---------|---|---|------|------------|------------|--------|
| BLOCK CHEESE | 0 | 0 | 0.0% | 217 | 326 | -33.44% | 0 | 0 | 0.0% | 4,701 | 2,609 | 80.2% |
| BUTTER CS | 0 | 0 | 0.0% | 4,032 | 3,800 | 6.11% | 0 | 0 | 0.0% | 36,379 | 40,240 | -9.6% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 12,674 | 9,136 | 38.73% | 0 | 0 | 0.0% | 129,285 | 93,815 | 37.8% |
| CAT ASIA WEATHER | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CATTLE | 0 | 0 | 0.0% | 1,418,937 | 1,050,244 | 35.11% | 0 | 0 | 0.0% | 13,678,673 | 12,020,252 | 13.8% |
| CAT WEATHER EUROPEAN | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CDD SEASONAL STRIP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 150 | 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% | 2,487,617 | 1,785,801 | 39.30% | 0 | 0 | 0.0% | 25,581,571 | 21,827,498 | 17.2% |
| CLASS IV MILK | 0 | 0 | 0.0% | 1,183 | 1,220 | -3.03% | 0 | 0 | 0.0% | 13,231 | 22,868 | -42.1% |
| COFFEE | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| CORN | 0 | 0 | 0.0% | 5,385,209 | 4,786,219 | 12.51% | 0 | 0 | 0.0% | 67,815,364 | 63,852,388 | 6.2% |
| DJ_UBS ROLL SELECT INDEX | 0 | 0 | 0.0% | 55 | 0 | 0.00% | 0 | 0 | 0.0% | 76 | 0 | 0.0% |

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|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Futures | | | | | | | | | | | | |
| DOW-UBS COMMOD INDEX | 0 | 0 | 0.0% | 5,860 | 14,209 | -58.76% | 0 | 0 | 0.0% | 223,783 | 424,654 | -47.3% |
| DOW-UBS COMMOD INDEX SW | 0 | - | - | 0 | - | | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| DRY WHEY | 0 | 0 | 0.0% | 1,041 | 497 | 109.46% | 0 | 0 | 0.0% | 10,681 | 8,998 | 18.7% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 407,770 | 307,268 | 32.71% | 0 | 0 | 0.0% | 3,660,039 | 2,824,532 | 29.6% |
| FERTILIZER PRODUCTS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 4 | 7 | -42.9% |
| GOLDMAN SACHS | 0 | 0 | 0.0% | 1,930 | 2,376 | -18.77% | 0 | 0 | 0.0% | 17,804 | 28,350 | -37.2% |
| GSCI EXCESS RETURN FUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 23 | 91 | -74.7% |
| 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% | 50 | 0 | 0.00% | 0 | 0 | 0.0% | 50 | 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% | 909,416 | 898,019 | 1.27% | 0 | 0 | 0.0% | 10,720,806 | 9,636,972 | 11.2% |
| HOUSING INDEX | 0 | 0 | 0.0% | 33 | 15 | 120.00% | 0 | 0 | 0.0% | 178 | 156 | 14.1% |
| KC WHEAT | 0 | 0 | 0.0% | 896,981 | 686,774 | 30.61% | 0 | 0 | 0.0% | 10,134,178 | 8,756,284 | 15.7% |
| LUMBER | 0 | 0 | 0.0% | 19,304 | 12,519 | 54.20% | 0 | 0 | 0.0% | 148,775 | 89,148 | 66.9% |
| MALAYSIAN PALM SWAP | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| MILK | 0 | 0 | 0.0% | 38,321 | 21,533 | 77.96% | 0 | 0 | 0.0% | 324,155 | 279,204 | 16.1% |
| MINI CORN | 0 | 0 | 0.0% | 25,838 | 34,648 | -25.43% | 0 | 0 | 0.0% | 331,249 | 551,431 | -39.9% |
| MINI SOYBEAN | 0 | 0 | 0.0% | 50,501 | 57,574 | -12.29% | 0 | 0 | 0.0% | 428,526 | 604,439 | -29.1% |
| MINI WHEAT | 0 | 0 | 0.0% | 22,389 | 31,340 | -28.56% | 0 | 0 | 0.0% | 302,064 | 280,351 | 7.7% |
| 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% | 5,277 | 5,963 | -11.50% | 0 | 0 | 0.0% | 50,543 | 56,848 | -11.1% |
| OATS | 0 | 0 | 0.0% | 11,752 | 9,419 | 24.77% | 0 | 0 | 0.0% | 129,637 | 84,641 | 53.2% |
| OTC SP GSCI ER SWAP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| 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% | 1,009 | 1,607 | -37.21% | 0 | 0 | 0.0% | 14,636 | 21,372 | -31.5% |
| ROUGH RICE | 0 | 0 | 0.0% | 27,362 | 29,615 | -7.61% | 0 | 0 | 0.0% | 189,422 | 189,358 | 0.0% |
| SOYBEAN | 0 | 0 | 0.0% | 6,595,887 | 5,094,266 | 29.48% | 0 | 0 | 0.0% | 49,754,001 | 41,235,511 | 20.7% |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 4,098,294 | 2,204,364 | 85.92% | 0 | 0 | 0.0% | 29,462,566 | 21,901,536 | 34.5% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 3,178,079 | 2,395,823 | 32.65% | 0 | 0 | 0.0% | 30,463,682 | 23,391,138 | 30.2% |
| S&P GSCI ENHANCED ER SWA | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 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% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 30 | 6,012 | -99.5% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| Ag Products Options | | | | | | | | | | | | |
| AUG-DEC SOYBEAN MEAL CS | 0 | - | - | 0 | - | | 0 | - | - | 1,950 | - | - |
| AUG-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 1,410 | 212 | 565.1% |
| BLOCK CHEESE | 0 | 0 | 0.0% | 908 | 6 | 15,033.33% | 0 | 0 | 0.0% | 4,694 | 2,515 | 86.6% |
| BUTTER CS | 0 | 0 | 0.0% | 1,279 | 1,913 | -33.14% | 0 | 0 | 0.0% | 17,081 | 14,006 | 22.0% |
| CASH-SETTLED CHEESE | 0 | 0 | 0.0% | 4,711 | 6,163 | -23.56% | 0 | 0 | 0.0% | 65,134 | 62,724 | 3.8% |
| CATTLE | 0 | 0 | 0.0% | 460,331 | 192,076 | 139.66% | 0 | 0 | 0.0% | 3,202,762 | 2,126,464 | 50.6% |
| 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% | 641,188 | 571,992 | 12.10% | 0 | 0 | 0.0% | 6,442,385 | 5,989,264 | 7.6% |
| CLASS IV MILK | 0 | 0 | 0.0% | 8,638 | 6,046 | 42.87% | 0 | 0 | 0.0% | 67,529 | 73,898 | -8.6% |
| CORN | 0 | 0 | 0.0% | 1,893,172 | 1,725,859 | 9.69% | 0 | 0 | 0.0% | 26,322,768 | 26,493,438 | -0.6% |
| CORN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 7,226 | 20,085 | -64.02% | 0 | 0 | 0.0% | 260,279 | 220,524 | 18.0% |
| DEC-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 120 | 0 | 0.00% | 0 | 0 | 0.0% | 5,786 | 0 | 0.0% |
| DEC-JUL SOYBEAN MEAL CSO | 0 | - | - | 20 | - | | 0 | - | - | 230 | - | - |
| DEC-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 884 | 445 | 98.65% | 0 | 0 | 0.0% | 17,566 | 15,861 | 10.7% |
| DEC-JULY WHEAT CAL SPRD | 0 | - | - | 0 | - | | 0 | - | - | 350 | - | - |
| DRY WHEY | 0 | 0 | 0.0% | 532 | 5 | 10,540.00% | 0 | 0 | 0.0% | 2,077 | 2,734 | -24.0% |
| FEEDER CATTLE | 0 | 0 | 0.0% | 88,923 | 38,506 | 130.93% | 0 | 0 | 0.0% | 627,754 | 361,206 | 73.8% |
| 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 | 0 | 0 | 0.0% | 410,590 | 226,860 | 80.99% | 0 | 0 | 0.0% | 3,181,770 | 2,294,447 | 38.7% |
| Intercommodity Spread | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| JAN-MAY SOYBEAN CAL SPRD | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| JULY-DEC CORN CAL SPRD | 0 | 0 | 0.0% | 150 | 650 | -76.92% | 0 | 0 | 0.0% | 101,098 | 78,920 | 28.1% |
| JULY-DEC SOYMEAL CAL SPR | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,270 | 845 | 168.6% |
| JULY-DEC SOY OIL CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,560 | 0 | 0.0% |
| JULY-DEC WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 3,200 | -100.0% |
| JULY-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 10 | 2 | 400.0% |
| JULY-NOV SOYBEAN CAL SPR | 0 | 0 | 0.0% | 4,892 | 5,286 | -7.45% | 0 | 0 | 0.0% | 80,425 | 48,459 | 66.0% |
| KC WHEAT | 0 | 0 | 0.0% | 54,356 | 58,154 | -6.53% | 0 | 0 | 0.0% | 706,727 | 708,524 | -0.3% |
| LUMBER | 0 | 0 | 0.0% | 1,152 | 380 | 203.16% | 0 | 0 | 0.0% | 4,762 | 4,110 | 15.9% |
| LV CATL CSO | 0 | - | - | 0 | - | | 0 | - | - | 60 | - | - |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|--------------|------------------------------|------------------------------|---------------|----------------------|-----------------------|--------------|
| Ag Products Options | | | | | | | | | | | | |
| MAR-DEC CORN CAL SPRD | - | 0 | 0.0% | - | 0 | 0.00% | - | 0 | 0.0% | - | 0 | 0.0% |
| MAR-JULY CORN CAL SPRD | 0 | 0 | 0.0% | 120 | 5,115 | -97.65% | 0 | 0 | 0.0% | 20,019 | 30,605 | -34.6% |
| MAR-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 900 | 50 | 1,700.00% | 0 | 0 | 0.0% | 1,030 | 650 | 58.5% |
| MAR-JULY WHEAT CAL SPRD | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 0 | 150 | -100.0% |
| MILK | 0 | 0 | 0.0% | 25,946 | 23,493 | 10.44% | 0 | 0 | 0.0% | 215,313 | 229,446 | -6.2% |
| MLK MID OPTIONS | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 22 | 45 | -51.1% |
| NFD MILK | 0 | 0 | 0.0% | 7,514 | 4,667 | 61.00% | 0 | 0 | 0.0% | 46,295 | 35,668 | 29.8% |
| NOV-JULY SOYBEAN CAL SPR | 0 | 0 | 0.0% | 0 | 100 | -100.00% | 0 | 0 | 0.0% | 1,420 | 5,260 | -73.0% |
| NOV-MAR SOYBEAN CSO | 0 | 0 | 0.0% | 525 | 0 | 0.00% | 0 | 0 | 0.0% | 4,369 | 0 | 0.0% |
| OATS | 0 | 0 | 0.0% | 137 | 116 | 18.10% | 0 | 0 | 0.0% | 1,791 | 1,928 | -7.1% |
| PACIFIC RIM DAT SS WTHR | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - |
| PORK CUTOUT | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 111 | 35 | 217.1% |
| ROUGH RICE | 0 | 0 | 0.0% | 727 | 2,694 | -73.01% | 0 | 0 | 0.0% | 23,179 | 17,327 | 33.8% |
| SEP-DEC SOYBEAN MEAL CSC | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 2,350 | 830 | 183.1% |
| SOYBEAN | 0 | 0 | 0.0% | 1,550,545 | 908,184 | 70.73% | 0 | 0 | 0.0% | 15,268,622 | 15,013,873 | 1.7% |
| SOYBEAN CRUSH | 0 | 0 | 0.0% | 0 | 0 | 0.00% | 0 | 0 | 0.0% | 5 | 165 | -97.0% |
| SOYBEAN MEAL | 0 | 0 | 0.0% | 662,332 | 175,368 | 277.68% | 0 | 0 | 0.0% | 3,667,559 | 2,258,785 | 62.4% |
| SOYBEAN OIL | 0 | 0 | 0.0% | 281,243 | 226,077 | 24.40% | 0 | 0 | 0.0% | 3,668,679 | 2,353,200 | 55.9% |
| SOYBN NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 8,670 | 5,111 | 69.63% | 0 | 0 | 0.0% | 70,396 | 37,159 | 89.4% |
| SOYMEAL NEARBY+2 CAL SPR | 0 | 0 | 0.0% | 1,850 | 0 | 0.00% | 0 | 0 | 0.0% | 5,220 | 1,250 | 317.6% |
| SOY OIL NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 0 | 150 | -100.00% | 0 | 0 | 0.0% | 175 | 1,250 | -86.0% |
| WHEAT | 0 | 0 | 0.0% | 886 | 887 | -0.11% | 0 | 0 | 0.0% | 17,589 | 2,021 | 770.3% |
| WHEAT-CORN ICSCO | 0 | 0 | 0.0% | 0 | 170 | -100.00% | 0 | 0 | 0.0% | 270 | 2,522 | -89.3% |
| WHEAT NEARBY+2 CAL SPRD | 0 | 0 | 0.0% | 366 | 2,070 | -82.32% | 0 | 0 | 0.0% | 5,358 | 33,767 | -84.1% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | |
| Interest Rate Futures | 411,048 | 864,053 | -52.4% | 190,878,996 | 146,331,544 | 30.4% | 6,537,697 | 8,490,216 | -23.0% | 1,873,183,725 | 1,757,846,742 | 6.6% |
| Equity Index Futures | 0 | 0 | 0.0% | 133,653,425 | 147,052,905 | -9.1% | 0 | 0 | 0.0% | 1,112,025,736 | 1,364,452,106 | -18.5% |
| Metals Futures | 0 | 0 | 0.0% | 10,839,130 | 8,802,462 | 23.1% | 0 | 0 | 0.0% | 106,256,903 | 94,065,115 | 13.0% |
| Energy Futures | 0 | 0 | 0.0% | 39,230,049 | 31,143,059 | 26.0% | 0 | 0 | 0.0% | 360,535,757 | 360,756,518 | -0.1% |
| FX Futures | 0 | 0 | 0.0% | 19,630,507 | 20,510,253 | -4.3% | 0 | 0 | 0.0% | 185,565,766 | 195,029,991 | -4.9% |
| Ag Products Futures | 0 | 0 | 0.0% | 25,607,018 | 19,444,575 | 31.7% | 0 | 0 | 0.0% | 243,626,262 | 208,230,703 | 17.0% |
| TOTAL FUTURES | 411,048 | 864,053 | -52.4% | 419,839,125 | 373,284,798 | 12.5% | 6,537,697 | 8,490,216 | -23.0% | 3,881,194,149 | 3,980,381,175 | -2.5% |

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CME Group Exchange Volume Comparison Report - Monthly

| | Open Outcry OCT 2023 | Open Outcry OCT 2022 | % CHG | ELEC OCT 2023 | ELEC OCT 2022 | % CHG | Open Outcry Y.T.D 2023 | Open Outcry Y.T.D 2022 | % CHG | ELEC Y.T.D 2023 | ELEC Y.T.D 2022 | % CHG |
|----------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|----------------------|--------------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | |
| Equity Index Options | 0 | 0 | 0.0% | 39,815,141 | 28,917,421 | 37.7% | 0 | 0 | 0.0% | 274,405,160 | 237,801,918 | 15.4% |
| Interest Rate Options | 18,569,951 | 16,154,062 | 15.0% | 41,310,941 | 32,169,931 | 28.4% | 227,677,605 | 162,406,213 | 40.2% | 343,388,668 | 288,998,224 | 18.8% |
| Metals Options | 0 | 0 | 0.0% | 2,020,539 | 1,071,398 | 88.6% | 0 | 0 | 0.0% | 14,788,205 | 11,183,988 | 32.2% |
| Energy Options | 0 | 0 | 0.0% | 5,888,728 | 2,428,835 | 142.5% | 0 | 0 | 0.0% | 39,035,348 | 30,188,746 | 29.3% |
| FX Options | 0 | 0 | 0.0% | 799,202 | 826,184 | -3.3% | 0 | 0 | 0.0% | 7,247,862 | 7,875,833 | -8.0% |
| Ag Products Options | 0 | 0 | 0.0% | 6,120,833 | 4,208,678 | 45.4% | 0 | 0 | 0.0% | 64,139,209 | 58,527,289 | 9.6% |
| TOTAL OPTIONS | 18,569,951 | 16,154,062 | 15.0% | 95,955,384 | 69,622,447 | 37.8% | 227,677,605 | 162,406,213 | 40.2% | 743,004,452 | 634,575,998 | 17.1% |
| TOTAL COMBINED | | | | | | | | | | | | |
| Interest Rate | 18,980,999 | 17,018,115 | 11.5% | 232,189,937 | 178,501,475 | 30.1% | 234,215,302 | 170,896,429 | 37.1% | 2,216,572,393 | 2,046,844,966 | 8.3% |
| Equity Index | 0 | 0 | 0.0% | 173,468,566 | 175,970,326 | -1.4% | 0 | 0 | 0.0% | 1,386,430,896 | 1,602,254,024 | -13.5% |
| Metals | 0 | 0 | 0.0% | 12,859,669 | 9,873,860 | 30.2% | 0 | 0 | 0.0% | 121,045,108 | 105,249,103 | 15.0% |
| Energy | 0 | 0 | 0.0% | 45,118,777 | 33,571,894 | 34.4% | 0 | 0 | 0.0% | 399,571,105 | 390,945,264 | 2.2% |
| FX | 0 | 0 | 0.0% | 20,429,709 | 21,336,437 | -4.2% | 0 | 0 | 0.0% | 192,813,628 | 202,905,824 | -5.0% |
| Ag Products | 0 | 0 | 0.0% | 31,727,851 | 23,653,253 | 34.1% | 0 | 0 | 0.0% | 307,765,471 | 266,757,992 | 15.4% |
| GRAND TOTAL | 18,980,999 | 17,018,115 | 11.5% | 515,794,509 | 442,907,245 | 16.5% | 234,215,302 | 170,896,429 | 37.1% | 4,624,198,601 | 4,614,957,173 | 0.2% |

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