



## CME Group Exchange Volume Comparison Report - Monthly

|                              | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG  | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|------------------------------|----------------------------|----------------------------|--------|------------------|------------------|-----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Interest Rate Futures</b> |                            |                            |        |                  |                  |           |                              |                              |         |                    |                       |          |
| 10-YR NOTE                   | 0                          | 0                          | 0.0%   | 32,252,127       | 21,295,605       | 51.45%    | 0                            | 469,469                      | -100.0% | 347,041,715        | 304,279,988           | 14.1%    |
| 10-YR SWAP RATE              | 0                          | 0                          | 0.0%   | 95,503           | 90,741           | 5.25%     | 0                            | 0                            | 0.0%    | 517,181            | 419,296               | 23.3%    |
| 15-YR SWAP RATE              | 0                          | 0                          | 0.0%   | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| 1-MONTH EURODOLLAR           | 0                          | 0                          | 0.0%   | 0                | 8                | -100.00%  | 0                            | 0                            | 0.0%    | 0                  | 826                   | -100.0%  |
| 20-YR SWAP RATE              | 0                          | 0                          | 0.0%   | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| 2-YR NOTE                    | 0                          | 0                          | 0.0%   | 5,299,748        | 4,318,485        | 22.72%    | 0                            | 261                          | -100.0% | 75,212,042         | 97,582,040            | -22.9%   |
| 2-YR SWAP RATE               | 0                          | 0                          | 0.0%   | 59,478           | 3,647            | 1,530.87% | 0                            | 0                            | 0.0%    | 723,080            | 80,997                | 792.7%   |
| 30-YR BOND                   | 0                          | 0                          | 0.0%   | 8,316,054        | 5,962,584        | 39.47%    | 0                            | 55,491                       | -100.0% | 84,183,620         | 67,605,509            | 24.5%    |
| 30-YR SWAP RATE              | 0                          | 0                          | 0.0%   | 94               | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 104                | 822                   | -87.3%   |
| 3-YR NOTE                    | 0                          | 0                          | 0.0%   | 204,328          | 99,049           | 106.29%   | 0                            | 0                            | 0.0%    | 1,608,861          | 286,297               | 462.0%   |
| 3-YR SWAP RATE               | 0                          | 0                          | 0.0%   | 5,925            | 1,466            | 304.16%   | 0                            | 0                            | 0.0%    | 24,384             | 23,129                | 5.4%     |
| 4-YR SWAP RATE               | 0                          | 0                          | 0.0%   | 3,994            | 2,569            | 55.47%    | 0                            | 0                            | 0.0%    | 21,975             | 12,606                | 74.3%    |
| 5-YR NOTE                    | 0                          | 0                          | 0.0%   | 17,596,427       | 10,656,943       | 65.12%    | 0                            | 87,402                       | -100.0% | 200,754,638        | 180,580,453           | 11.2%    |
| 5-YR SWAP RATE               | 0                          | 0                          | 0.0%   | 75,339           | 39,733           | 89.61%    | 0                            | 0                            | 0.0%    | 629,282            | 476,488               | 32.1%    |
| 7-YR SWAP RATE               | 0                          | 0                          | 0.0%   | 1,495            | 510              | 193.14%   | 0                            | 0                            | 0.0%    | 18,162             | 14,594                | 24.4%    |
| EURODOLLARS                  | 467,695                    | 119,188                    | 292.4% | 43,041,936       | 27,180,906       | 58.35%    | 3,809,391                    | 2,830,768                    | 34.6%   | 428,429,573        | 403,290,035           | 6.2%     |
| FED FUND                     | 0                          | 0                          | 0.0%   | 1,659,164        | 1,778,657        | -6.72%    | 0                            | 0                            | 0.0%    | 16,081,249         | 47,361,048            | -66.0%   |
| SOFR                         | 0                          | 0                          | 0.0%   | 2,840,199        | 1,131,612        | 150.99%   | 0                            | 0                            | 0.0%    | 21,704,653         | 8,018,301             | 170.7%   |
| SONIA                        | 0                          | 0                          | 0.0%   | 20,755           | 189,924          | -89.07%   | 0                            | 0                            | 0.0%    | 779,024            | 1,475,958             | -47.2%   |
| TIIE                         | 0                          | -                          | -      | 292              | -                | -         | 0                            | -                            | -       | 739                | -                     | -        |
| Ultra 10-Year Note           | 0                          | 0                          | 0.0%   | 6,243,349        | 3,887,392        | 60.61%    | 0                            | 0                            | 0.0%    | 66,748,545         | 45,899,036            | 45.4%    |
| ULTRA T-BOND                 | 0                          | 0                          | 0.0%   | 3,408,030        | 2,775,744        | 22.78%    | 0                            | 0                            | 0.0%    | 41,106,007         | 36,197,570            | 13.6%    |

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|                              | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG  | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG     | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG  |
|------------------------------|----------------------------|----------------------------|--------|------------------|------------------|-----------|------------------------------|------------------------------|-----------|--------------------|-----------------------|-----------|
| <b>Interest Rate Options</b> |                            |                            |        |                  |                  |           |                              |                              |           |                    |                       |           |
| 10-YR NOTE                   | 0                          | 0                          | 0.0%   | 12,499,172       | 6,532,095        | 91.35%    | 0                            | 8,489,760                    | -100.0%   | 119,857,803        | 88,289,121            | 35.8%     |
| 2-YR NOTE                    | 0                          | 0                          | 0.0%   | 2,107            | 23,166           | -90.90%   | 0                            | 273,359                      | -100.0%   | 111,234            | 1,716,787             | -93.5%    |
| 30-YR BOND                   | 0                          | 0                          | 0.0%   | 2,572,996        | 2,184,633        | 17.78%    | 0                            | 891,042                      | -100.0%   | 24,303,076         | 21,120,982            | 15.1%     |
| 5-YR NOTE                    | 0                          | 0                          | 0.0%   | 2,676,333        | 1,212,097        | 120.80%   | 0                            | 2,424,616                    | -100.0%   | 27,532,263         | 24,345,102            | 13.1%     |
| EURODOLLARS                  | 2,219,835                  | 1,968,619                  | 12.8%  | 1,423,607        | 2,178,917        | -34.66%   | 22,522,226                   | 51,292,387                   | -56.1%    | 11,872,111         | 100,928,341           | -88.2%    |
| EURO MIDCURVE                | 9,140,071                  | 2,037,095                  | 348.7% | 4,197,461        | 2,016,266        | 108.18%   | 94,030,658                   | 16,353,574                   | 475.0%    | 46,290,600         | 43,870,982            | 5.5%      |
| FED FUND                     | 0                          | 0                          | 0.0%   | 0                | 0                | 0.00%     | 0                            | 3,100                        | -100.0%   | 0                  | 7,821                 | -100.0%   |
| SOFR                         | 310                        | 0                          | 0.0%   | 0                | 0                | 0.00%     | 7,310                        | 10                           | 73,000.0% | 1,402              | 1,012                 | 38.5%     |
| Ultra 10-Year Note           | 0                          | 0                          | 0.0%   | 0                | 0                | 0.00%     | 0                            | 13,035                       | -100.0%   | 46                 | 2,965                 | -98.4%    |
| ULTRA T-BOND                 | 0                          | 0                          | 0.0%   | 814              | 20               | 3,970.00% | 0                            | 10,870                       | -100.0%   | 5,984              | 2,671                 | 124.0%    |
| <b>Equity Index Futures</b>  |                            |                            |        |                  |                  |           |                              |                              |           |                    |                       |           |
| BITCOIN FUTURES              | 0                          | 0                          | 0.0%   | 593,358          | 201,375          | 194.65%   | 0                            | 0                            | 0.0%      | 4,037,818          | 1,580,405             | 155.5%    |
| DJ US REAL ESTATE            | 0                          | 0                          | 0.0%   | 70,151           | 57,011           | 23.05%    | 0                            | 0                            | 0.0%      | 309,371            | 330,131               | -6.3%     |
| E-mini (\$5) Dow             | 0                          | 0                          | 0.0%   | 4,509,886        | 5,180,821        | -12.95%   | 0                            | 0                            | 0.0%      | 32,938,639         | 47,539,259            | -30.7%    |
| E-MINI COM SERVICES SELEC    | 0                          | 0                          | 0.0%   | 6,012            | 6,208            | -3.16%    | 0                            | 0                            | 0.0%      | 26,378             | 22,503                | 17.2%     |
| E-mini FTSE 100 (USD)        | -                          | 0                          | 0.0%   | -                | 0                | 0.00%     | -                            | 0                            | 0.0%      | -                  | 0                     | 0.0%      |
| E-mini FTSE China 50         | 0                          | 0                          | 0.0%   | 174              | 0                | 0.00%     | 0                            | 0                            | 0.0%      | 521                | 2                     | 25,950.0% |
| E-MINI MIDCAP                | 0                          | 0                          | 0.0%   | 367,825          | 487,148          | -24.49%   | 0                            | 0                            | 0.0%      | 2,316,238          | 3,396,792             | -31.8%    |
| E-MINI NASDAQ 100            | 0                          | 0                          | 0.0%   | 13,262,873       | 16,080,698       | -17.52%   | 0                            | 0                            | 0.0%      | 102,486,243        | 112,544,837           | -8.9%     |
| E-MINI RUSSELL 1000          | 0                          | 0                          | 0.0%   | 9,489            | 7,202            | 31.76%    | 0                            | 0                            | 0.0%      | 40,630             | 34,126                | 19.1%     |
| E-MINI RUSSELL 1000 GROWT    | 0                          | 0                          | 0.0%   | 8,399            | 5,653            | 48.58%    | 0                            | 0                            | 0.0%      | 29,187             | 28,265                | 3.3%      |
| E-MINI RUSSELL 1000 VALUE    | 0                          | 0                          | 0.0%   | 14,667           | 12,937           | 13.37%    | 0                            | 0                            | 0.0%      | 74,996             | 55,327                | 35.6%     |
| E-MINI RUSSELL 2000          | 0                          | 0                          | 0.0%   | 5,196,403        | 4,999,987        | 3.93%     | 0                            | 0                            | 0.0%      | 37,147,925         | 39,232,642            | -5.3%     |
| E-MINI S&P500                | 0                          | 0                          | 0.0%   | 41,675,276       | 49,923,266       | -16.52%   | 0                            | 0                            | 0.0%      | 298,792,739        | 398,640,485           | -25.0%    |
| E-MINI S&P500 ESG            | 0                          | 0                          | 0.0%   | 22,742           | 3,195            | 611.80%   | 0                            | 0                            | 0.0%      | 120,342            | 54,044                | 122.7%    |
| E-MINI S&P REAL ESTATE SEL   | 0                          | 0                          | 0.0%   | 11,069           | 5,832            | 89.80%    | 0                            | 0                            | 0.0%      | 40,502             | 48,730                | -16.9%    |
| ETHER FUTURES                | 0                          | -                          | -      | 130,506          | -                | -         | 0                            | -                            | -         | 560,335            | -                     | -         |
| FT-SE 100                    | 0                          | 0                          | 0.0%   | 10               | 0                | 0.00%     | 0                            | 0                            | 0.0%      | 201                | 0                     | 0.0%      |
| FTSE Emerging                | 0                          | 0                          | 0.0%   | 0                | 45               | -100.00%  | 0                            | 0                            | 0.0%      | 5                  | 4,545                 | -99.9%    |
| IBOVESPA INDEX               | 0                          | 0                          | 0.0%   | 215              | 147              | 46.26%    | 0                            | 0                            | 0.0%      | 1,854              | 4,094                 | -54.7%    |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Equity Index Futures</b> |                            |                            |       |                  |                  |         |                              |                              |         |                    |                       |          |
| MICRO E-MINI NASDAQ 100     | 0                          | 0                          | 0.0%  | 19,222,879       | 22,193,044       | -13.38% | 0                            | 0                            | 0.0%    | 173,589,950        | 122,781,960           | 41.4%    |
| MICRO E-MINI RUSSELL 2000   | 0                          | 0                          | 0.0%  | 3,566,315        | 2,014,024        | 77.07%  | 0                            | 0                            | 0.0%    | 28,397,966         | 18,263,463            | 55.5%    |
| MICRO E-MINI S&P500         | 0                          | 0                          | 0.0%  | 19,180,797       | 23,799,628       | -19.41% | 0                            | 0                            | 0.0%    | 160,724,114        | 168,087,271           | -4.4%    |
| MICRO MINI \$5 DOW          | 0                          | 0                          | 0.0%  | 3,346,391        | 2,696,020        | 24.12%  | 0                            | 0                            | 0.0%    | 24,016,595         | 24,631,749            | -2.5%    |
| NASDAQ-100 VOLATILITY       | 0                          | -                          | -     | 33               | -                |         | 0                            | -                            | -       | 95                 | -                     | -        |
| NASDAQ BIOTECH              | 0                          | 0                          | 0.0%  | 850              | 463              | 83.59%  | 0                            | 0                            | 0.0%    | 5,483              | 4,778                 | 14.8%    |
| Nearby BTIC+                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 356                | 200                   | 78.0%    |
| NIKKEI 225 (\$) STOCK       | 0                          | 0                          | 0.0%  | 215,279          | 178,015          | 20.93%  | 0                            | 0                            | 0.0%    | 1,182,531          | 1,867,328             | -36.7%   |
| NIKKEI 225 (YEN) STOCK      | 0                          | 0                          | 0.0%  | 932,062          | 855,293          | 8.98%   | 0                            | 0                            | 0.0%    | 5,910,751          | 9,138,499             | -35.3%   |
| S&P 500                     | 0                          | 0                          | 0.0%  | 66               | 205              | -67.80% | 0                            | 33,712                       | -100.0% | 12,585             | 19,282                | -34.7%   |
| S&P 500 ANNUAL DIVIDEND IN  | 0                          | 0                          | 0.0%  | 9,474            | 18,225           | -48.02% | 0                            | 0                            | 0.0%    | 123,554            | 212,650               | -41.9%   |
| S&P 500/GI                  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| S&P 500 QUARLY DIVIDEND IN  | 0                          | 0                          | 0.0%  | 40               | 90               | -55.56% | 0                            | 0                            | 0.0%    | 764                | 8,304                 | -90.8%   |
| S&P 600 SMALLCAP EMINI      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| S&P CONSUMER DSCRTNRY S     | 0                          | 0                          | 0.0%  | 12,777           | 13,814           | -7.51%  | 0                            | 0                            | 0.0%    | 87,423             | 63,572                | 37.5%    |
| S&P CONSUMER STAPLES SE     | 0                          | 0                          | 0.0%  | 34,215           | 28,300           | 20.90%  | 0                            | 0                            | 0.0%    | 162,552            | 111,151               | 46.2%    |
| S&P ENERGY SECTOR           | 0                          | 0                          | 0.0%  | 47,780           | 38,226           | 24.99%  | 0                            | 0                            | 0.0%    | 257,658            | 165,347               | 55.8%    |
| S&P FINANCIAL SECTOR        | 0                          | 0                          | 0.0%  | 42,587           | 24,652           | 72.75%  | 0                            | 0                            | 0.0%    | 292,735            | 160,079               | 82.9%    |
| S&P HEALTH CARE SECTOR      | 0                          | 0                          | 0.0%  | 32,063           | 21,229           | 51.03%  | 0                            | 0                            | 0.0%    | 140,218            | 116,561               | 20.3%    |
| S&P INDUSTRIAL SECTOR       | 0                          | 0                          | 0.0%  | 15,595           | 18,045           | -13.58% | 0                            | 0                            | 0.0%    | 97,592             | 81,299                | 20.0%    |
| S&P MATERIALS SECTOR        | 0                          | 0                          | 0.0%  | 13,723           | 8,319            | 64.96%  | 0                            | 0                            | 0.0%    | 80,800             | 45,501                | 77.6%    |
| S&P TECHNOLOGY SECTOR       | 0                          | 0                          | 0.0%  | 24,976           | 22,962           | 8.77%   | 0                            | 0                            | 0.0%    | 112,410            | 98,137                | 14.5%    |
| S&P UTILITIES SECTOR        | 0                          | 0                          | 0.0%  | 30,969           | 22,979           | 34.77%  | 0                            | 0                            | 0.0%    | 146,492            | 130,562               | 12.2%    |
| 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                          | -                          | -     | 19               | -                |         | 0                            | -                            | -       | 944                | -                     | -        |
| YEN DENOMINATED TOPIX       | 0                          | 0                          | 0.0%  | 3,912            | 5,928            | -34.01% | 0                            | 0                            | 0.0%    | 17,622             | 64,567                | -72.7%   |

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|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Equity Index Options</b> |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| BITCOIN FUTURES             | 0                          | 0                          | 0.0%  | 1,146            | 3,520            | -67.44%  | 0                            | 0                            | 0.0%    | 10,185             | 10,888                | -6.5%    |
| E-mini (\$5) Dow            | 0                          | 0                          | 0.0%  | 2,514            | 2,420            | 3.88%    | 0                            | 0                            | 0.0%    | 13,800             | 28,713                | -51.9%   |
| E-MINI NASDAQ 100           | 0                          | 0                          | 0.0%  | 596,300          | 496,096          | 20.20%   | 0                            | 0                            | 0.0%    | 4,979,648          | 3,120,855             | 59.6%    |
| E-MINI RUSSELL 2000         | 0                          | 0                          | 0.0%  | 28,635           | 17,983           | 59.23%   | 0                            | 0                            | 0.0%    | 256,498            | 160,725               | 59.6%    |
| E-MINI S&P500               | 0                          | 0                          | 0.0%  | 8,928,815        | 6,659,244        | 34.08%   | 0                            | 250                          | -100.0% | 54,672,871         | 67,765,785            | -19.3%   |
| EOM E-MINI RUSSELL 2000 EN  | 0                          | 0                          | 0.0%  | 19,273           | 7,833            | 146.05%  | 0                            | 0                            | 0.0%    | 182,701            | 77,024                | 137.2%   |
| EOM EMINI S&P               | 0                          | 0                          | 0.0%  | 2,301,136        | 1,911,410        | 20.39%   | 0                            | 0                            | 0.0%    | 16,389,977         | 18,353,247            | -10.7%   |
| EOM S&P 500                 | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 303,360                      | -100.0% | 2,158              | 0                     | 0.0%     |
| EOW1 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%  | 16,536           | 3,754            | 340.49%  | 0                            | 0                            | 0.0%    | 100,283            | 42,172                | 137.8%   |
| EOW1 EMINI S&P 500          | 0                          | 0                          | 0.0%  | 1,513,859        | 1,427,566        | 6.04%    | 0                            | 0                            | 0.0%    | 9,145,329          | 9,642,961             | -5.2%    |
| EOW1 S&P 500                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 157,788                      | -100.0% | 0                  | 0                     | 0.0%     |
| EOW2 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%  | 14,958           | 4,594            | 225.60%  | 0                            | 0                            | 0.0%    | 117,658            | 36,301                | 224.1%   |
| EOW2 EMINI S&P 500          | 0                          | 0                          | 0.0%  | 1,281,390        | 1,140,123        | 12.39%   | 0                            | 0                            | 0.0%    | 9,557,262          | 9,859,840             | -3.1%    |
| EOW2 S&P 500                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 252,530                      | -100.0% | 0                  | 0                     | 0.0%     |
| EOW3 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%  | 33,564           | 10,336           | 224.73%  | 0                            | 0                            | 0.0%    | 278,740            | 159,514               | 74.7%    |
| EOW3 EMINI S&P 500          | 0                          | 0                          | 0.0%  | 2,094,812        | 1,807,661        | 15.89%   | 0                            | 0                            | 0.0%    | 18,831,882         | 21,671,286            | -13.1%   |
| EOW3 S&P 500                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 266,271                      | -100.0% | 0                  | 0                     | 0.0%     |
| EOW4 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%  | 19,338           | 3,829            | 405.04%  | 0                            | 0                            | 0.0%    | 134,123            | 31,535                | 325.3%   |
| EOW4 EMINI S&P 500          | 0                          | 0                          | 0.0%  | 1,628,276        | 1,370,387        | 18.82%   | 0                            | 0                            | 0.0%    | 7,786,897          | 8,218,331             | -5.2%    |
| MICRO E-MINI NASDAQ         | 0                          | 0                          | 0.0%  | 9,833            | 2,712            | 262.57%  | 0                            | 0                            | 0.0%    | 52,469             | 2,763                 | 1,799.0% |
| MICRO E-MINI NASDAQ END O   | 0                          | 0                          | 0.0%  | 8,701            | 1,640            | 430.55%  | 0                            | 0                            | 0.0%    | 65,910             | 1,640                 | 3,918.9% |
| MICRO E-MINI NASDAQ WEEKL   | 0                          | 0                          | 0.0%  | 22,641           | 5,370            | 321.62%  | 0                            | 0                            | 0.0%    | 172,420            | 5,446                 | 3,066.0% |
| MICRO E-MINI S&P 500        | 0                          | 0                          | 0.0%  | 45,328           | 33,258           | 36.29%   | 0                            | 0                            | 0.0%    | 255,464            | 33,515                | 662.2%   |
| MICRO E-MINI S&P 500 END OF | 0                          | 0                          | 0.0%  | 49,090           | 38,387           | 27.88%   | 0                            | 0                            | 0.0%    | 312,518            | 38,747                | 706.6%   |
| MICRO E-MINI S&P 500 WEEKL  | 0                          | 0                          | 0.0%  | 108,943          | 89,284           | 22.02%   | 0                            | 0                            | 0.0%    | 758,597            | 90,355                | 739.6%   |
| S&P 500                     | 0                          | 0                          | 0.0%  | 0                | 400              | -100.00% | 0                            | 677,812                      | -100.0% | 200                | 7,513                 | -97.3%   |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG      | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG  |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|-------|--------------------|-----------------------|-----------|
| <b>Metals Futures</b>      |                            |                            |       |                  |                  |            |                              |                              |       |                    |                       |           |
| ALUMINUM                   | 0                          | 0                          | 0.0%  | 16,372           | 6,300            | 159.87%    | 0                            | 0                            | 0.0%  | 106,281            | 40,193                | 164.4%    |
| COBALT METAL FUTURES       | 0                          | -                          | -     | 0                | -                | -          | 0                            | -                            | -     | 12                 | -                     | -         |
| COMEX COPPER               | 0                          | 0                          | 0.0%  | 1,398,783        | 1,969,789        | -28.99%    | 0                            | 0                            | 0.0%  | 19,480,349         | 18,577,619            | 4.9%      |
| COMEX E-Mini GOLD          | 0                          | 0                          | 0.0%  | 28,309           | 42,859           | -33.95%    | 0                            | 0                            | 0.0%  | 207,723            | 320,597               | -35.2%    |
| COMEX E-Mini SILVER        | 0                          | 0                          | 0.0%  | 3,137            | 12,121           | -74.12%    | 0                            | 0                            | 0.0%  | 55,366             | 88,656                | -37.5%    |
| COMEX GOLD                 | 0                          | 0                          | 0.0%  | 3,863,425        | 6,169,721        | -37.38%    | 0                            | 0                            | 0.0%  | 44,227,237         | 61,466,626            | -28.0%    |
| COMEX MINY COPPER          | 0                          | 0                          | 0.0%  | 4,075            | 2,519            | 61.77%     | 0                            | 0                            | 0.0%  | 38,095             | 7,411                 | 414.0%    |
| COMEX SILVER               | 0                          | 0                          | 0.0%  | 1,123,878        | 2,165,260        | -48.10%    | 0                            | 0                            | 0.0%  | 15,325,387         | 20,264,770            | -24.4%    |
| COPPER                     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%      |
| FERROUS PRODUCTS           | 0                          | 0                          | 0.0%  | 531              | 541              | -1.85%     | 0                            | 0                            | 0.0%  | 6,745              | 9,644                 | -30.1%    |
| GOLD                       | 0                          | 0                          | 0.0%  | 19,193           | 8,326            | 130.52%    | 0                            | 0                            | 0.0%  | 62,150             | 67,832                | -8.4%     |
| HOT ROLLED COIL STEEL FUT  | 0                          | 0                          | 0.0%  | 216              | 2                | 10,700.00% | 0                            | 0                            | 0.0%  | 1,423              | 2                     | 71,050.0% |
| IRON ORE 62 CHINA PLATTS F | -                          | 0                          | 0.0%  | -                | 0                | 0.00%      | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%      |
| IRON ORE 62 CHINA TSI FUTU | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%  | 0                  | 209                   | -100.0%   |
| IRON ORE CHINA             | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%  | 16                 | 0                     | 0.0%      |
| LNDN ZINC                  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%      | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%      |
| METALS                     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%      |
| MICRO GOLD                 | 0                          | 0                          | 0.0%  | 954,845          | 2,795,693        | -65.85%    | 0                            | 0                            | 0.0%  | 10,868,072         | 16,894,497            | -35.7%    |
| NYMEX HOT ROLLED STEEL     | 0                          | 0                          | 0.0%  | 4,144            | 2,746            | 50.91%     | 0                            | 0                            | 0.0%  | 37,720             | 41,284                | -8.6%     |
| NYMEX PLATINUM             | 0                          | 0                          | 0.0%  | 488,453          | 438,575          | 11.37%     | 0                            | 0                            | 0.0%  | 3,257,882          | 3,415,754             | -4.6%     |
| PALLADIUM                  | 0                          | 0                          | 0.0%  | 44,422           | 27,822           | 59.67%     | 0                            | 0                            | 0.0%  | 416,784            | 531,204               | -21.5%    |
| SILVER                     | 0                          | 0                          | 0.0%  | 126,397          | 353,569          | -64.25%    | 0                            | 0                            | 0.0%  | 1,866,353          | 1,662,978             | 12.2%     |
| URANIUM                    | 0                          | 0                          | 0.0%  | 25               | 0                | 0.00%      | 0                            | 0                            | 0.0%  | 490                | 54                    | 807.4%    |

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## CME Group Exchange Volume Comparison Report - Monthly

|                             | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG   | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|-----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Metals Options</b>       |                            |                            |       |                  |                  |         |                              |                              |       |                    |                       |          |
| ALUMINUM                    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| COMEX COPPER                | 0                          | 0                          | 0.0%  | 41,734           | 10,752           | 288.15% | 0                            | 0                            | 0.0%  | 372,410            | 229,778               | 62.1%    |
| COMEX GOLD                  | 0                          | 0                          | 0.0%  | 513,143          | 745,514          | -31.17% | 0                            | 0                            | 0.0%  | 5,195,880          | 8,328,943             | -37.6%   |
| COMEX SILVER                | 0                          | 0                          | 0.0%  | 112,077          | 142,438          | -21.32% | 0                            | 0                            | 0.0%  | 1,275,554          | 1,629,076             | -21.7%   |
| COPPER                      | 0                          | 0                          | 0.0%  | 15               | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 182                | 2,673                 | -93.2%   |
| GOLD                        | 0                          | 0                          | 0.0%  | 151,801          | 121,723          | 24.71%  | 0                            | 0                            | 0.0%  | 1,424,684          | 1,278,067             | 11.5%    |
| HOT ROLLED COIL STEEL CAL   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HOT ROLLED COIL STEEL PUT   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| IRON ORE 62 CHINA TSI CALL  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| IRON ORE 62 CHINA TSI PUT O | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| 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%  | 382              | 1,009            | -62.14% | 0                            | 0                            | 0.0%  | 4,410              | 4,966                 | -11.2%   |
| PALLADIUM                   | 0                          | 0                          | 0.0%  | 14               | 9                | 55.56%  | 0                            | 0                            | 0.0%  | 680                | 1,404                 | -51.6%   |
| SILVER                      | 0                          | 0                          | 0.0%  | 16,090           | 5,861            | 174.53% | 0                            | 0                            | 0.0%  | 95,702             | 83,083                | 15.2%    |
| <b>Energy Futures</b>       |                            |                            |       |                  |                  |         |                              |                              |       |                    |                       |          |
| 3.5% FUEL OIL CID MED SWA   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| 3.5% FUEL OIL CIF BALMO S   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%   | -                            | 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%     |
| ANR OKLAHOMA                | -                          | 0                          | 0.0%  | -                | 0                | 0.00%   | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| ARGUS LLS VS. WTI (ARG) T   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%  | 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                | 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%  | 1,854,859        | 1,565,866        | 18.46%  | 0                            | 0                            | 0.0%  | 17,959,527         | 20,644,496            | -13.0%   |
| CAR VINTAGE                 | 0                          | -                          | -     | 5,017            | -                |         | 0                            | -                            | -     | 13,736             | -                     | -        |
| CENTERPOINT BASIS SWAP      | -                          | 0                          | 0.0%  | -                | 0                | 0.00%   | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>      |                            |                            |       |                  |                  |           |                              |                              |       |                    |                       |          |
| CHICAGO ETHANOL SWAP       | 0                          | 0                          | 0.0%  | 243              | 11               | 2,109.09% | 0                            | 0                            | 0.0%  | 2,439              | 189                   | 1,190.5% |
| CHICAGO ULSD PL VS HO SPR  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CHICAGO UNL GAS PL VS RBO  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CIG BASIS                  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CINERGY HUB OFF-PEAK MON   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| CINERGY HUB PEAK MONTH     | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| CIN HUB 5MW D AH PK        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CIN HUB 5MW REAL TIME O P  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CIN HUB 5MW REAL TIME PK   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| COAL SWAP                  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| COLUMB GULF MAINLINE NG B  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| 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%  | 7                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 31                 | 60                    | -48.3%   |
| 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%  | 19,669,365       | 16,673,622       | 17.97%    | 0                            | 0                            | 0.0%  | 183,151,649        | 219,123,252           | -16.4%   |
| 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                | 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                  | -                     | -        |
| DOMINION TRAN INC - APP I  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| DOMINION TRANSMISSION INC  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| DUBAI CRUDE OIL BALMO      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| DUBAI CRUDE OIL CALENDAR   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| DUTCH TTF NATURAL GAS CA   | 0                          | 0                          | 0.0%  | 25,651           | 21,339           | 20.21%    | 0                            | 0                            | 0.0%  | 384,960            | 256,943               | 49.8%    |
| 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%  | 1                  | 6                     | -83.3%   |
| ELEC FINSETTLED            | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| ELEC MISO PEAK             | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| ELEC NYISO OFF-PEAK        | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>     |                            |                            |       |                  |                  |          |                              |                              |       |                    |                       |          |
| ELECTRICITY OFF PEAK      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| ETHANOL                   | 0                          | 0                          | 0.0%  | 0                | 190              | -100.00% | 0                            | 0                            | 0.0%  | 262                | 12,283                | -97.9%   |
| 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 1% FUEL OIL NEW BALM | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| EURO 3.5% FUEL OIL RDAM B | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EURO 3.5% FUEL OIL SPREAD | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EURO GASOIL 10PPM VS ICE  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EUROPE 1% FUEL OIL NWE CA | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EUROPE 1% FUEL OIL RDAM C | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EUROPE 3.5% FUEL OIL MED  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EUROPE 3.5% FUEL OIL RDAM | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| EUROPEAN GASOIL (ICE)     | 0                          | 0                          | 0.0%  | 46               | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 402                | 286                   | 40.6%    |
| 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| FUEL OIL (PLATS) CAR CN   | -                          | 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                  | -                     | -        |
| GASOIL 0.1 CIF NWE VS ISE | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| GASOIL 0.1 RDAM BRGS VS I | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| 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%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                              | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG  | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|------------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>        |                            |                            |       |                  |                  |        |                              |                              |       |                    |                       |          |
| 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%  | 6                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 90                 | 8,776                 | -99.0%   |
| GROUP THREE ULSD (PLATTS)    | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| GROUP THREE UNLEAD GAS (     | 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 CLNDF    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| GULF COAST JET VS NYM 2 H    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| GULF COAST NO.6 FUEL OIL     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| GULF COAST ULSD CALEND       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| GULF COAST ULSD CRACK SP     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HEATING OIL BALMO CLNDR S    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HEATING OIL CRCK SPRD BAL    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HEATING OIL PHY              | 0                          | 0                          | 0.0%  | 3,228,302        | 3,389,055        | -4.74% | 0                            | 0                            | 0.0%  | 26,558,508         | 32,138,976            | -17.4%   |
| HENRY HUB BASIS SWAP         | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HENRY HUB FINANCIAL LAST     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HENRY HUB INDEX SWAP FUT     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| HENRY HUB SWAP               | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 31                 | 670                   | -95.4%   |
| 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                  | -                     | -        |
| 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 AV FUEL (P) CAR FM ICE G | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| JET CIF NWE VS ICE           | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| JET FUEL CRG CIF NEW VS I    | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 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%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>      |                            |                            |       |                  |                  |           |                              |                              |       |                    |                       |          |
| 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                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| LTD NAT GAS                | 0                          | 0                          | 0.0%  | 304,834          | 232,197          | 31.28%    | 0                            | 0                            | 0.0%  | 2,045,514          | 1,535,042             | 33.3%    |
| MARS (ARGUS) VS WTI SWAP   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MARS (ARGUS) VS WTI TRD M  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MARS BLEND 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%  | 1,513            | 195              | 675.90%   | 0                            | 0                            | 0.0%  | 19,637             | 6,536                 | 200.4%   |
| MCCLOSKEY RCH BAY COAL     | 0                          | 0                          | 0.0%  | 48               | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 213                | 15                    | 1,320.0% |
| MGF FUT                    | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| MGN1 SWAP FUT              | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MICHIGAN BASIS             | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MICHIGAN MISO              | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 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%  | 5                | 7                | -28.57%   | 0                            | 0                            | 0.0%  | 57                 | 44                    | 29.5%    |
| MINY NATURAL GAS           | 0                          | 0                          | 0.0%  | 367,665          | 185,451          | 98.25%    | 0                            | 0                            | 0.0%  | 1,255,425          | 1,055,289             | 19.0%    |
| MINY RBOB GAS              | 0                          | 0                          | 0.0%  | 7                | 6                | 16.67%    | 0                            | 0                            | 0.0%  | 79                 | 60                    | 31.7%    |
| MINY WTI CRUDE OIL         | 0                          | 0                          | 0.0%  | 337,945          | 252,209          | 33.99%    | 0                            | 0                            | 0.0%  | 3,731,167          | 5,948,247             | -37.3%   |
| 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%  | 0                | 15               | -100.00%  | 0                            | 0                            | 0.0%  | 325                | 15                    | 2,066.7% |
| 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%  | 160              | 2                | 7,900.00% | 0                            | 0                            | 0.0%  | 457                | 154                   | 196.8%   |
| MONT BELVIEU LDH PROPANE   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MONT BELVIEU NATURAL GAS   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MONT BELVIEU NATURAL GAS   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| MONT BELVIEU NORMAL BUTA   | 0                          | 0                          | 0.0%  | 15               | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 25                 | 0                     | 0.0%     |
| MONT BELVIEU NORMAL BUTA   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NAT GAS BASIS SWAP         | -                          | 0                          | 0.0%  | -                | 0                | 0.00%     | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| NATURAL GAS                | 0                          | 0                          | 0.0%  | 82,143           | 64,404           | 27.54%    | 0                            | 0                            | 0.0%  | 448,248            | 434,785               | 3.1%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>     |                            |                            |       |                  |                  |          |                              |                              |       |                    |                       |          |
| NATURAL GAS PEN SWP       | 0                          | 0                          | 0.0%  | 8                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 118                | 0                     | 0.0%     |
| NATURAL GAS PHY           | 0                          | 0                          | 0.0%  | 10,247,908       | 9,226,231        | 11.07%   | 0                            | 0                            | 0.0%  | 71,987,331         | 91,843,321            | -21.6%   |
| NEPOOL INTR HUB 5MW D AH  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEPOOL NE MASS 5MW D AH   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEPOOL NE MASS 5MW D AH   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEW ENGLAND HUB PEAK DAI  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEW YORK ETHANOL SWAP     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEW YORK HUB ZONE G PEAK  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NEW YORK HUB ZONE J PEAK  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NGPL MID-CONTINENT        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NGPL TEX/OK               | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NORTHEN NATURAL GAS DEM   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| NORTHEN NATURAL GAS VEN   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| NORTHWEST ROCKIES BASIS   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| N ROCKIES PIPE SWAP       | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 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 3.0% FUEL OIL (PLATTS  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| NY HARBOR 1% FUEL OIL BAL | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NY HARBOR HEAT OIL SWP    | 0                          | 0                          | 0.0%  | 0                | 12               | -100.00% | 0                            | 0                            | 0.0%  | 24                 | 38                    | -36.8%   |
| 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%     |
| NY HARBOR RESIDUAL FUEL   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NYISO ZONE A 5MW D AH PK  | -                          | 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NYISO ZONE J 5MW D AH PK  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NYMEX ALUMINUM FUTURES    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NYMEX ULSD VS NYMEX HO    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | % CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-------|------------------------------|------------------------------|-------|--------------------|--------------------|-------|
| <b>Energy Futures</b>     |                            |                            |       |                  |                  |       |                              |                              |       |                    |                    |       |
| NY ULSD (ARGUS) VS HEATIN | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| ONEOK OKLAHOMA NG BASIS   | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| ONTARIO POWER SWAPS       | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 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                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETROCHEMICALS            | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETRO CRCKS & SPRDS ASIA  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETRO CRCKS & SPRDS NA    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETRO CRK&SPRD EURO       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETROLEUM PRODUCTS        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETROLEUM PRODUCTS ASIA   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETRO OUTRIGHT EURO       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PETRO OUTRIGHT NA         | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM AD HUB 5MW REAL TIME  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM BGE DA OFF-PEAK       | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM BGE DA PEAK           | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM COMED 5MW D AH O PK   | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM COMED 5MW D AH PK     | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM DAILY                 | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM DAYTON DA OFF-PEAK    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM DAYTON DA PEAK        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM MONTHLY               | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM NI HUB 5MW REAL TIME  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM NILL DA OFF-PEAK      | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM NILL DA PEAK          | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM OFF-PEAK LMP SWAP FU  | -                          | 0                          | 0.0%  | -                | 0                | 0.00% | -                            | 0                            | 0.0%  | -                  | 0                  | 0.0%  |
| PJM PECO ZONE5MW PEAK C   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM PSEG DA OFF-PEAK      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM PSEG DA PEAK          | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM WESTH DA OFF-PEAK     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM WESTHDA PEAK          | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM WESTH RT OFF-PEAK     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PJM WESTH RT PEAK         | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |
| PLASTICS                  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00% | 0                            | 0                            | 0.0%  | 0                  | 0                  | 0.0%  |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG  | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|--------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>     |                            |                            |       |                  |                  |        |                              |                              |       |                    |                       |          |
| PREMIUM UNLD 10P FOB MED  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| PREMIUM UNLEAD 10PPM FOB  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| PREM UNL GAS 10PPM RDAM   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| PREM UNL GAS 10PPM RDAM   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 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 CRACK SPREAD BALMO   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 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%  | 3,807,744        | 3,199,485        | 19.01% | 0                            | 0                            | 0.0%  | 34,714,444         | 34,473,918            | 0.7%     |
| 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                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| SAN JUAN PIPE SWAP        | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 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                  | -                     | -        |
| 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                | 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%     |
| SING FUEL                 | -                          | 0                          | 0.0%  | -                | 0                | 0.00%  | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| Sumas Basis Swap          | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%  | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| 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%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Futures</b>     |                            |                            |       |                  |                  |          |                              |                              |       |                    |                       |          |
| TCO BASIS SWAP            | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| TD3 MEG TO JAPAN 250K MT  | 0                          | 0                          | 0.0%  | 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| TRANSCO ZONE 6 BASIS SWA  | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| UCM FUT                   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| UK NBP NAT GAS CAL MTH FU | 0                          | 0                          | 0.0%  | 0                | 150              | -100.00% | 0                            | 0                            | 0.0%  | 2,535              | 2,094                 | 21.1%    |
| 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| WTI-BRENT BULLET SWAP     | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| WTI-BRENT CALENDAR SWAP   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 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%     |
| <b>Energy Options</b>     |                            |                            |       |                  |                  |          |                              |                              |       |                    |                       |          |
| 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%  | 1,743            | 7,726            | -77.44%  | 0                            | 0                            | 0.0%  | 28,282             | 127,263               | -77.8%   |
| 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%  | 0                | 4,800            | -100.00% | 0                            | 0                            | 0.0%  | 42,180             | 66,071                | -36.2%   |
| CRUDE OIL APO             | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 3                     | -100.0%  |
| CRUDE OIL CALNDR STRIP    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| CRUDE OIL OUTRIGHTS       | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| CRUDE OIL PHY             | 0                          | 0                          | 0.0%  | 2,032,439        | 1,887,315        | 7.69%    | 0                            | 0                            | 0.0%  | 17,255,924         | 19,699,542            | -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                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| HEATING OIL CRK SPD AVG P | 0                          | -                          | -     | 0                | -                |          | 0                            | -                            | -     | 0                  | -                     | -        |

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## CME Group Exchange Volume Comparison Report - Monthly

|                          | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|--------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>Energy Options</b>    |                            |                            |       |                  |                  |          |                              |                              |       |                    |                       |          |
| HEATING OIL PHY          | 0                          | 0                          | 0.0%  | 1,822            | 2,173            | -16.15%  | 0                            | 0                            | 0.0%  | 17,364             | 29,056                | -40.2%   |
| HENRY HUB FINANCIAL LAST | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 40                 | 20                    | 100.0%   |
| 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NATURAL GAS 1 M CSO FIN  | 0                          | 0                          | 0.0%  | 2,100            | 650              | 223.08%  | 0                            | 0                            | 0.0%  | 8,750              | 3,151                 | 177.7%   |
| 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                | 1,651            | -100.00% | 0                            | 0                            | 0.0%  | 200                | 4,827                 | -95.9%   |
| 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%  | 1,650,864        | 1,557,819        | 5.97%    | 0                            | 0                            | 0.0%  | 11,875,300         | 12,378,719            | -4.1%    |
| NATURAL GAS SUMMER STRIF | 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                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| N ROCKIES PIPE SWAP      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| NY HARBOR HEAT OIL SWP   | 0                          | 0                          | 0.0%  | 37               | 17               | 117.65%  | 0                            | 0                            | 0.0%  | 626                | 676                   | -7.4%    |
| PETROCHEMICALS           | 0                          | 0                          | 0.0%  | 2                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 62                 | 11                    | 463.6%   |
| 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 1MO CAL SPD OPTIONS | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 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               | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%  | -                  | 0                     | 0.0%     |
| RBOB PHY                 | 0                          | 0                          | 0.0%  | 1,202            | 2,828            | -57.50%  | 0                            | 0                            | 0.0%  | 19,384             | 23,796                | -18.5%   |
| SAN JUAN PIPE SWAP       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 0                  | 0                     | 0.0%     |
| SHORT TERM               | 0                          | 0                          | 0.0%  | 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%  | 0                | 1,610            | -100.00% | 0                            | 0                            | 0.0%  | 7,100              | 14,702                | -51.7%   |
| WTI CRUDE OIL 1 M CSO FI | 0                          | 0                          | 0.0%  | 85               | 0                | 0.00%    | 0                            | 0                            | 0.0%  | 1,035              | 1,200                 | -13.8%   |

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## CME Group Exchange Volume Comparison Report - Monthly

|                        | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>FX Futures</b>      |                            |                            |       |                  |                  |           |                              |                              |         |                    |                       |          |
| AD/CD CROSS RATES      | 0                          | 0                          | 0.0%  | 10               | 3                | 233.33%   | 0                            | 0                            | 0.0%    | 158                | 80                    | 97.5%    |
| AD/JY CROSS RATES      | 0                          | 0                          | 0.0%  | 2,045            | 1,830            | 11.75%    | 0                            | 0                            | 0.0%    | 19,068             | 23,658                | -19.4%   |
| AD/NE CROSS RATES      | 0                          | 0                          | 0.0%  | 455              | 212              | 114.62%   | 0                            | 0                            | 0.0%    | 2,458              | 2,605                 | -5.6%    |
| AUSTRALIAN DOLLAR      | 0                          | 0                          | 0.0%  | 2,435,332        | 2,412,955        | 0.93%     | 0                            | 0                            | 0.0%    | 18,747,073         | 19,623,823            | -4.5%    |
| BP/JY CROSS RATES      | 0                          | 0                          | 0.0%  | 3,312            | 3,189            | 3.86%     | 0                            | 0                            | 0.0%    | 22,535             | 29,734                | -24.2%   |
| BP/SF CROSS RATES      | 0                          | 0                          | 0.0%  | 1,710            | 369              | 363.41%   | 0                            | 0                            | 0.0%    | 6,952              | 3,902                 | 78.2%    |
| BRAZIL REAL            | 0                          | 0                          | 0.0%  | 182,967          | 203,149          | -9.93%    | 0                            | 0                            | 0.0%    | 2,111,397          | 1,736,769             | 21.6%    |
| BRITISH POUND          | 0                          | 0                          | 0.0%  | 2,393,155        | 2,931,860        | -18.37%   | 0                            | 0                            | 0.0%    | 17,788,504         | 20,228,047            | -12.1%   |
| CANADIAN DOLLAR        | 0                          | 0                          | 0.0%  | 2,044,471        | 1,887,510        | 8.32%     | 0                            | 0                            | 0.0%    | 15,101,114         | 14,626,086            | 3.2%     |
| CD/JY CROSS RATES      | 0                          | 0                          | 0.0%  | 96               | 7                | 1,271.43% | 0                            | 0                            | 0.0%    | 1,460              | 375                   | 289.3%   |
| CHINESE RENMINBI (CNH) | 0                          | 0                          | 0.0%  | 22,348           | 27,074           | -17.46%   | 0                            | 0                            | 0.0%    | 152,343            | 173,514               | -12.2%   |
| CZECK KORUNA (EC)      | 0                          | 0                          | 0.0%  | 0                | 2                | -100.00%  | 0                            | 0                            | 0.0%    | 2                  | 26                    | -92.3%   |
| CZECK KORUNA (US)      | 0                          | 0                          | 0.0%  | 3                | 1                | 200.00%   | 0                            | 0                            | 0.0%    | 8                  | 1                     | 700.0%   |
| EC/AD CROSS RATES      | 0                          | 0                          | 0.0%  | 10,441           | 8,760            | 19.19%    | 0                            | 0                            | 0.0%    | 44,094             | 56,717                | -22.3%   |
| EC/CD CROSS RATES      | 0                          | 0                          | 0.0%  | 16,772           | 8,040            | 108.61%   | 0                            | 0                            | 0.0%    | 66,077             | 42,340                | 56.1%    |
| EC/NOK CROSS RATES     | 0                          | 0                          | 0.0%  | 1,875            | 355              | 428.17%   | 0                            | 0                            | 0.0%    | 6,006              | 1,757                 | 241.8%   |
| EC/SEK CROSS RATES     | 0                          | 0                          | 0.0%  | 1,491            | 1,136            | 31.25%    | 0                            | 0                            | 0.0%    | 5,865              | 5,726                 | 2.4%     |
| EFX/BP CROSS RATES     | 0                          | 0                          | 0.0%  | 127,919          | 101,164          | 26.45%    | 0                            | 0                            | 0.0%    | 529,669            | 628,969               | -15.8%   |
| EFX/JY CROSS RATES     | 0                          | 0                          | 0.0%  | 115,979          | 74,992           | 54.66%    | 0                            | 0                            | 0.0%    | 392,806            | 547,183               | -28.2%   |
| EFX/SF CROSS RATES     | 0                          | 0                          | 0.0%  | 55,699           | 32,303           | 72.43%    | 0                            | 0                            | 0.0%    | 217,582            | 338,337               | -35.7%   |
| E-MICRO USD/CAD        | 0                          | -                          | -     | 94               | -                | -         | 0                            | -                            | -       | 346                | -                     | -        |
| E-MICRO USD/CHF        | 0                          | -                          | -     | 0                | -                | -         | 0                            | -                            | -       | 29                 | -                     | -        |
| E-MICRO USD/JPY        | 0                          | -                          | -     | 113              | -                | -         | 0                            | -                            | -       | 122                | -                     | -        |
| E-MINI EURO FX         | 0                          | 0                          | 0.0%  | 120,064          | 203,084          | -40.88%   | 0                            | 0                            | 0.0%    | 1,112,371          | 1,431,340             | -22.3%   |
| E-MINI JAPANESE YEN    | 0                          | 0                          | 0.0%  | 10,239           | 9,730            | 5.23%     | 0                            | 0                            | 0.0%    | 82,168             | 202,842               | -59.5%   |
| EURO FX                | 0                          | 0                          | 0.0%  | 5,000,579        | 5,835,258        | -14.30%   | 0                            | 36                           | -100.0% | 36,252,848         | 42,226,147            | -14.1%   |
| HUNGARIAN FORINT (EC)  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 0                  | 9                     | -100.0%  |
| HUNGARIAN FORINT (US)  | 0                          | 0                          | 0.0%  | 31               | 27               | 14.81%    | 0                            | 0                            | 0.0%    | 168                | 100                   | 68.0%    |
| INDIAN RUPEE           | 0                          | 0                          | 0.0%  | 15,112           | 23,154           | -34.73%   | 0                            | 0                            | 0.0%    | 122,992            | 238,275               | -48.4%   |
| JAPANESE YEN           | 0                          | 0                          | 0.0%  | 2,818,212        | 2,063,872        | 36.55%    | 0                            | 0                            | 0.0%    | 19,881,083         | 22,460,154            | -11.5%   |
| KOREAN WON             | 0                          | 0                          | 0.0%  | 398              | 633              | -37.12%   | 0                            | 0                            | 0.0%    | 11,349             | 5,028                 | 125.7%   |
| MEXICAN PESO           | 0                          | 0                          | 0.0%  | 1,480,779        | 1,603,640        | -7.66%    | 0                            | 0                            | 0.0%    | 10,135,812         | 10,831,072            | -6.4%    |
| MICRO AUD/USD          | 0                          | 0                          | 0.0%  | 184,515          | 264,283          | -30.18%   | 0                            | 0                            | 0.0%    | 1,870,209          | 2,249,886             | -16.9%   |
| MICRO CAD/USD          | 0                          | 0                          | 0.0%  | 70,778           | 38,375           | 84.44%    | 0                            | 0                            | 0.0%    | 507,843            | 263,131               | 93.0%    |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|-------|--------------------|-----------------------|----------|
| <b>FX Futures</b>         |                            |                            |       |                  |                  |           |                              |                              |       |                    |                       |          |
| MICRO CHF/USD             | 0                          | 0                          | 0.0%  | 9,751            | 7,637            | 27.68%    | 0                            | 0                            | 0.0%  | 79,618             | 35,664                | 123.2%   |
| MICRO EUR/USD             | 0                          | 0                          | 0.0%  | 465,207          | 693,342          | -32.90%   | 0                            | 0                            | 0.0%  | 4,381,681          | 4,451,974             | -1.6%    |
| MICRO GBP/USD             | 0                          | 0                          | 0.0%  | 88,199           | 137,954          | -36.07%   | 0                            | 0                            | 0.0%  | 665,891            | 599,715               | 11.0%    |
| MICRO INR/USD             | 0                          | 0                          | 0.0%  | 1,565            | 1,688            | -7.29%    | 0                            | 0                            | 0.0%  | 16,346             | 20,041                | -18.4%   |
| MICRO JPY/USD             | 0                          | 0                          | 0.0%  | 39,505           | 24,714           | 59.85%    | 0                            | 0                            | 0.0%  | 300,001            | 269,350               | 11.4%    |
| MICRO USD/CNH             | 0                          | -                          | -     | 0                | -                | -         | 0                            | -                            | -     | 36                 | -                     | -        |
| NEW ZEALND DOLLAR         | 0                          | 0                          | 0.0%  | 646,505          | 660,873          | -2.17%    | 0                            | 0                            | 0.0%  | 5,422,657          | 5,733,048             | -5.4%    |
| NKR/USD CROSS RATE        | 0                          | 0                          | 0.0%  | 6,607            | 5,811            | 13.70%    | 0                            | 0                            | 0.0%  | 43,228             | 43,469                | -0.6%    |
| POLISH ZLOTY (EC)         | 0                          | 0                          | 0.0%  | 342              | 117              | 192.31%   | 0                            | 0                            | 0.0%  | 1,310              | 576                   | 127.4%   |
| POLISH ZLOTY (US)         | 0                          | 0                          | 0.0%  | 1,536            | 1,560            | -1.54%    | 0                            | 0                            | 0.0%  | 8,120              | 7,517                 | 8.0%     |
| RMB USD                   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 3                  | 4                     | -25.0%   |
| RUSSIAN RUBLE             | 0                          | 0                          | 0.0%  | 174,250          | 135,768          | 28.34%    | 0                            | 0                            | 0.0%  | 960,592            | 1,036,999             | -7.4%    |
| S.AFRICAN RAND            | 0                          | 0                          | 0.0%  | 98,080           | 110,718          | -11.41%   | 0                            | 0                            | 0.0%  | 525,558            | 730,269               | -28.0%   |
| SF/JY CROSS RATES         | 0                          | 0                          | 0.0%  | 40               | 2                | 1,900.00% | 0                            | 0                            | 0.0%  | 255                | 230                   | 10.9%    |
| SHEKEL                    | 0                          | 0                          | 0.0%  | 2                | 11               | -81.82%   | 0                            | 0                            | 0.0%  | 18                 | 105                   | -82.9%   |
| SKR/USD CROSS RATES       | 0                          | 0                          | 0.0%  | 8,622            | 6,380            | 35.14%    | 0                            | 0                            | 0.0%  | 45,224             | 35,838                | 26.2%    |
| SWISS FRANC               | 0                          | 0                          | 0.0%  | 626,598          | 643,454          | -2.62%    | 0                            | 0                            | 0.0%  | 4,446,935          | 5,413,829             | -17.9%   |
| TURKISH LIRA              | 0                          | 0                          | 0.0%  | 0                | 36               | -100.00%  | 0                            | 0                            | 0.0%  | 8                  | 88                    | -90.9%   |
| USDZAR                    | 0                          | 0                          | 0.0%  | 7                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 71                 | 0                     | 0.0%     |
| <b>FX Options</b>         |                            |                            |       |                  |                  |           |                              |                              |       |                    |                       |          |
| AUD/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 683              | 611              | 11.78%    | 0                            | 0                            | 0.0%  | 3,112              | 3,387                 | -8.1%    |
| AUD/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 302              | 180              | 67.78%    | 0                            | 0                            | 0.0%  | 3,231              | 1,672                 | 93.2%    |
| AUD/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 253              | 36               | 602.78%   | 0                            | 0                            | 0.0%  | 3,187              | 2,326                 | 37.0%    |
| AUD/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 398              | 548              | -27.37%   | 0                            | 0                            | 0.0%  | 3,996              | 1,714                 | 133.1%   |
| AUD/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%  | 1,370              | 722                   | 89.8%    |
| AUD/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 55,025           | 55,285           | -0.47%    | 0                            | 0                            | 0.0%  | 436,416            | 676,930               | -35.5%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 2,881            | 2,245            | 28.33%    | 0                            | 0                            | 0.0%  | 7,112              | 5,398                 | 31.8%    |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 1,865            | 851              | 119.15%   | 0                            | 0                            | 0.0%  | 14,980             | 37,913                | -60.5%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 4,032            | 2,202            | 83.11%    | 0                            | 0                            | 0.0%  | 24,193             | 34,059                | -29.0%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 4,153            | 3,657            | 13.56%    | 0                            | 0                            | 0.0%  | 26,881             | 37,531                | -28.4%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 418              | 635              | -34.17%   | 0                            | 0                            | 0.0%  | 5,275              | 13,238                | -60.2%   |

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

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|-----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>FX Options</b>         |                            |                            |       |                  |                  |           |                              |                              |         |                    |                       |          |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 147              | 1,013            | -85.49%   | 0                            | 0                            | 0.0%    | 8,733              | 11,544                | -24.4%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 1,069            | 383              | 179.11%   | 0                            | 0                            | 0.0%    | 7,129              | 12,425                | -42.6%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 205              | 193              | 6.22%     | 0                            | 0                            | 0.0%    | 2,941              | 7,402                 | -60.3%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 968              | 610              | 58.69%    | 0                            | 0                            | 0.0%    | 8,493              | 12,084                | -29.7%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 577              | 1,472            | -60.80%   | 0                            | 0                            | 0.0%    | 1,985              | 5,691                 | -65.1%   |
| BRL/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 200              | 12               | 1,566.67% | 0                            | 0                            | 0.0%    | 2,790              | 675                   | 313.3%   |
| CAD/USD MONDAY OPTIONS    | 0                          | 0                          | 0.0%  | 1,686            | 86               | 1,860.47% | 0                            | 0                            | 0.0%    | 7,647              | 2,445                 | 212.8%   |
| CAD/USD MONDAY OPTIONS    | 0                          | 0                          | 0.0%  | 4,455            | 200              | 2,127.50% | 0                            | 0                            | 0.0%    | 14,997             | 1,564                 | 858.9%   |
| CAD/USD MONDAY OPTIONS    | 0                          | 0                          | 0.0%  | 6,008            | 881              | 581.95%   | 0                            | 0                            | 0.0%    | 9,904              | 5,609                 | 76.6%    |
| CAD/USD MONDAY OPTIONS    | 0                          | 0                          | 0.0%  | 7,502            | 129              | 5,715.50% | 0                            | 0                            | 0.0%    | 21,705             | 4,642                 | 367.6%   |
| CAD/USD MONDAY OPTIONS    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 3,147              | 3,085                 | 2.0%     |
| CAD/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 101,549          | 32,175           | 215.61%   | 0                            | 430                          | -100.0% | 619,742            | 441,504               | 40.4%    |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 11,817           | 5,447            | 116.95%   | 0                            | 0                            | 0.0%    | 26,826             | 11,477                | 133.7%   |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 5,808            | 5,588            | 3.94%     | 0                            | 0                            | 0.0%    | 42,930             | 63,244                | -32.1%   |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 14,049           | 5,458            | 157.40%   | 0                            | 0                            | 0.0%    | 69,519             | 56,956                | 22.1%    |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 26,511           | 6,697            | 295.86%   | 0                            | 0                            | 0.0%    | 87,397             | 63,255                | 38.2%    |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 1,512            | 113              | 1,238.05% | 0                            | 0                            | 0.0%    | 17,090             | 25,385                | -32.7%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 5,461            | 323              | 1,590.71% | 0                            | 0                            | 0.0%    | 18,328             | 20,377                | -10.1%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 1,527            | 1,096            | 39.32%    | 0                            | 0                            | 0.0%    | 17,098             | 15,951                | 7.2%     |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 6,388            | 707              | 803.54%   | 0                            | 0                            | 0.0%    | 18,667             | 16,663                | 12.0%    |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 13,014           | 932              | 1,296.35% | 0                            | 0                            | 0.0%    | 25,556             | 21,279                | 20.1%    |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 5,794            | 469              | 1,135.39% | 0                            | 0                            | 0.0%    | 9,035              | 8,199                 | 10.2%    |
| CHF/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 7,061            | 3,771            | 87.24%    | 0                            | 0                            | 0.0%    | 44,694             | 29,999                | 49.0%    |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%  | 110              | 102              | 7.84%     | 0                            | 0                            | 0.0%    | 411                | 139                   | 195.7%   |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%  | 47               | 3                | 1,466.67% | 0                            | 0                            | 0.0%    | 2,240              | 1,505                 | 48.8%    |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%  | 160              | 25               | 540.00%   | 0                            | 0                            | 0.0%    | 1,703              | 1,029                 | 65.5%    |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%  | 56               | 555              | -89.91%   | 0                            | 0                            | 0.0%    | 2,386              | 1,432                 | 66.6%    |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 238                | 906                   | -73.7%   |
| EUR/GBP MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 6                | 0                | 0.00%     | 0                            | 0                            | 0.0%    | 6                  | 0                     | 0.0%     |
| EUR/GBP WKLY FRIDAY OPTIC | 0                          | -                          | -     | 0                | -                |           | 0                            | -                            | -       | 0                  | -                     | -        |
| EUR/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 947              | 1,033            | -8.33%    | 0                            | 0                            | 0.0%    | 16,082             | 12,242                | 31.4%    |
| EUR/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 107              | 4,395            | -97.57%   | 0                            | 0                            | 0.0%    | 13,121             | 11,719                | 12.0%    |
| EUR/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 1,340            | 1,643            | -18.44%   | 0                            | 0                            | 0.0%    | 13,058             | 18,974                | -31.2%   |
| EUR/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 5,771            | 2,757            | 109.32%   | 0                            | 0                            | 0.0%    | 24,590             | 19,336                | 27.2%    |

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|                           | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG   | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>FX Options</b>         |                            |                            |       |                  |                  |         |                              |                              |         |                    |                       |          |
| EUR/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 5,945              | 7,186                 | -17.3%   |
| EUR/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 159,625          | 207,323          | -23.01% | 0                            | 1,550                        | -100.0% | 1,756,573          | 2,578,857             | -31.9%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 18,619           | 16,462           | 13.10%  | 0                            | 0                            | 0.0%    | 49,106             | 27,537                | 78.3%    |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 10,646           | 14,066           | -24.31% | 0                            | 62                           | -100.0% | 117,400            | 180,169               | -34.8%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 21,147           | 18,510           | 14.25%  | 0                            | 0                            | 0.0%    | 178,560            | 192,396               | -7.2%    |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 24,589           | 20,531           | 19.77%  | 0                            | 0                            | 0.0%    | 166,799            | 201,301               | -17.1%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 3,392            | 3,269            | 3.76%   | 0                            | 0                            | 0.0%    | 61,597             | 63,114                | -2.4%    |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 4,347            | 8,997            | -51.68% | 0                            | 0                            | 0.0%    | 57,347             | 86,620                | -33.8%   |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 3,390            | 6,418            | -47.18% | 0                            | 0                            | 0.0%    | 62,341             | 74,696                | -16.5%   |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 3,558            | 6,222            | -42.82% | 0                            | 0                            | 0.0%    | 60,384             | 73,417                | -17.8%   |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 8,230            | 7,615            | 8.08%   | 0                            | 0                            | 0.0%    | 79,994             | 69,044                | 15.9%    |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 12,756           | 10,836           | 17.72%  | 0                            | 0                            | 0.0%    | 25,392             | 34,150                | -25.6%   |
| GBP/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 967              | 1,492            | -35.19% | 0                            | 0                            | 0.0%    | 4,094              | 5,163                 | -20.7%   |
| GBP/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 302              | 529              | -42.91% | 0                            | 0                            | 0.0%    | 5,271              | 3,175                 | 66.0%    |
| GBP/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 486              | 80               | 507.50% | 0                            | 0                            | 0.0%    | 2,373              | 4,413                 | -46.2%   |
| GBP/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 61               | 990              | -93.84% | 0                            | 0                            | 0.0%    | 4,319              | 6,585                 | -34.4%   |
| GBP/USD MONDAY OPTION W   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 654                | 1,435                 | -54.4%   |
| GBP/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 68,422           | 105,464          | -35.12% | 0                            | 64                           | -100.0% | 648,908            | 771,133               | -15.9%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 3,983            | 4,321            | -7.82%  | 0                            | 0                            | 0.0%    | 12,159             | 8,058                 | 50.9%    |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 1,564            | 1,790            | -12.63% | 0                            | 0                            | 0.0%    | 21,969             | 33,169                | -33.8%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 3,674            | 5,464            | -32.76% | 0                            | 0                            | 0.0%    | 26,478             | 34,425                | -23.1%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 3,592            | 1,979            | 81.51%  | 0                            | 0                            | 0.0%    | 30,573             | 29,672                | 3.0%     |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%  | 491              | 1,034            | -52.51% | 0                            | 0                            | 0.0%    | 8,403              | 12,820                | -34.5%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 259              | 982              | -73.63% | 0                            | 0                            | 0.0%    | 9,647              | 14,555                | -33.7%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 308              | 1,255            | -75.46% | 0                            | 0                            | 0.0%    | 5,578              | 8,637                 | -35.4%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 174              | 2,864            | -93.92% | 0                            | 0                            | 0.0%    | 5,771              | 15,113                | -61.8%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 1,298            | 1,140            | 13.86%  | 0                            | 0                            | 0.0%    | 9,334              | 11,682                | -20.1%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%  | 690              | 1,646            | -58.08% | 0                            | 0                            | 0.0%    | 2,591              | 7,180                 | -63.9%   |
| JPY/USD MONDAY OPTION WE  | 0                          | 0                          | 0.0%  | 195              | 1,641            | -88.12% | 0                            | 0                            | 0.0%    | 3,291              | 7,600                 | -56.7%   |
| JPY/USD MONDAY OPTION WE  | 0                          | 0                          | 0.0%  | 801              | 457              | 75.27%  | 0                            | 0                            | 0.0%    | 5,091              | 10,580                | -51.9%   |
| JPY/USD MONDAY OPTION WE  | 0                          | 0                          | 0.0%  | 201              | 1,020            | -80.29% | 0                            | 0                            | 0.0%    | 3,682              | 7,382                 | -50.1%   |
| JPY/USD MONDAY OPTION WE  | 0                          | 0                          | 0.0%  | 1,694            | 833              | 103.36% | 0                            | 0                            | 0.0%    | 3,356              | 3,946                 | -15.0%   |
| JPY/USD MONDAY OPTION WE  | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 2,697              | 2,653                 | 1.7%     |
| JPY/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%  | 85,487           | 75,176           | 13.72%  | 0                            | 727                          | -100.0% | 708,979            | 1,102,893             | -35.7%   |

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

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## CME Group Exchange Volume Comparison Report - Monthly

|                                 | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>FX Options</b>               |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| JPY/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 7,361            | 11,151           | -33.99%  | 0                            | 0                            | 0.0%    | 28,288             | 16,840                | 68.0%    |
| JPY/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 5,875            | 7,245            | -18.91%  | 0                            | 0                            | 0.0%    | 49,978             | 104,129               | -52.0%   |
| JPY/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 9,161            | 10,821           | -15.34%  | 0                            | 0                            | 0.0%    | 83,820             | 113,922               | -26.4%   |
| JPY/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 10,011           | 10,533           | -4.96%   | 0                            | 0                            | 0.0%    | 80,295             | 105,800               | -24.1%   |
| JPY/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 364              | 1,692            | -78.49%  | 0                            | 0                            | 0.0%    | 25,368             | 38,571                | -34.2%   |
| JPY/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 2,647            | 2,286            | 15.79%   | 0                            | 0                            | 0.0%    | 22,656             | 46,221                | -51.0%   |
| JPY/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 3,921            | 1,762            | 122.53%  | 0                            | 0                            | 0.0%    | 30,963             | 36,879                | -16.0%   |
| JPY/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 1,507            | 2,821            | -46.58%  | 0                            | 0                            | 0.0%    | 26,870             | 43,194                | -37.8%   |
| JPY/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 2,983            | 2,247            | 32.75%   | 0                            | 0                            | 0.0%    | 25,858             | 46,001                | -43.8%   |
| JPY/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 2,338            | 3,427            | -31.78%  | 0                            | 0                            | 0.0%    | 7,879              | 12,418                | -36.6%   |
| MXN/USD MONTHLY OPTIONS         | 0                          | 0                          | 0.0%  | 3,861            | 2,963            | 30.31%   | 0                            | 1,840                        | -100.0% | 11,742             | 14,205                | -17.3%   |
| MXN/USD WKLY FRIDAY OPTI        | 0                          | 0                          | 0.0%  | 0                | 4,413            | -100.00% | 0                            | 0                            | 0.0%    | 0                  | 4,413                 | -100.0%  |
| MXN/USD WKLY FRIDAY OPTI        | 0                          | 0                          | 0.0%  | 0                | 139              | -100.00% | 0                            | 0                            | 0.0%    | 604                | 1,748                 | -65.4%   |
| MXN/USD WKLY FRIDAY OPTI        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 552                | 1,898                 | -70.9%   |
| MXN/USD WKLY FRIDAY OPTI        | 0                          | 0                          | 0.0%  | 300              | 750              | -60.00%  | 0                            | 0                            | 0.0%    | 631                | 2,350                 | -73.1%   |
| MXN/USD WKLY FRIDAY OPTI        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 152                   | -100.0%  |
| NZD/USD MONTHLY OPTIONS         | 0                          | 0                          | 0.0%  | 29               | 19               | 52.63%   | 0                            | 0                            | 0.0%    | 1,358              | 4,654                 | -70.8%   |
| NZD/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 50                    | -100.0%  |
| NZD/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 12                 | 0                     | 0.0%     |
| NZD/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 375                   | -100.0%  |
| 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                | 93               | -100.00% | 0                            | 0                            | 0.0%    | 68                 | 93                    | -26.9%   |
| <b>Ags Futures</b>              |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| FERTILIZER PRODUCS              | 0                          | 0                          | 0.0%  | 50               | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 54                 | 90                    | -40.0%   |
| <b>Foreign Exchange Futures</b> |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| CHILEAN PESO                    | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%    | -                  | 0                     | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                                 | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG    | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|---------------------------------|----------------------------|----------------------------|-------|------------------|------------------|----------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Foreign Exchange Options</b> |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| AUD/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%  | 49               | 469              | -89.55%  | 0                            | 0                            | 0.0%    | 4,360              | 6,893                 | -36.7%   |
| <b>Ag Products Futures</b>      |                            |                            |       |                  |                  |          |                              |                              |         |                    |                       |          |
| BLOCK CHEESE                    | 0                          | 0                          | 0.0%  | 185              | 165              | 12.12%   | 0                            | 0                            | 0.0%    | 5,729              | 2,225                 | 157.5%   |
| BUTTER CS                       | 0                          | 0                          | 0.0%  | 3,224            | 3,331            | -3.21%   | 0                            | 0                            | 0.0%    | 34,974             | 50,258                | -30.4%   |
| CASH-SETTLED CHEESE             | 0                          | 0                          | 0.0%  | 10,231           | 9,696            | 5.52%    | 0                            | 0                            | 0.0%    | 103,197            | 116,017               | -11.1%   |
| CAT ASIA WEATHER                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| CATTLE                          | 0                          | 0                          | 0.0%  | 1,363,846        | 1,330,828        | 2.48%    | 0                            | 2,592                        | -100.0% | 10,795,777         | 12,761,831            | -15.4%   |
| CAT WEATHER EUROPEAN            | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 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                  | 50                    | -100.0%  |
| CHI WHEAT                       | 0                          | 0                          | 0.0%  | 1,630,357        | 2,242,712        | -27.30%  | 0                            | 12,092                       | -100.0% | 23,451,410         | 25,193,903            | -6.9%    |
| CLASS IV MILK                   | 0                          | 0                          | 0.0%  | 1,887            | 1,580            | 19.43%   | 0                            | 65                           | -100.0% | 9,208              | 21,357                | -56.9%   |
| COCOA TAS                       | -                          | 0                          | 0.0%  | -                | 0                | 0.00%    | -                            | 0                            | 0.0%    | -                  | 0                     | 0.0%     |
| COFFEE                          | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 2                  | 2                     | 0.0%     |
| CORN                            | 0                          | 0                          | 0.0%  | 4,760,353        | 5,830,914        | -18.36%  | 0                            | 18,145                       | -100.0% | 66,844,817         | 65,217,879            | 2.5%     |
| COTTON                          | 0                          | 0                          | 0.0%  | 0                | 4                | -100.00% | 0                            | 0                            | 0.0%    | 0                  | 30                    | -100.0%  |
| DJ_UBS ROLL SELECT INDEX        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 22                 | 0                     | 0.0%     |
| DOW-UBS COMMOD INDEX            | 0                          | 0                          | 0.0%  | 82,911           | 62,858           | 31.90%   | 0                            | 0                            | 0.0%    | 483,021            | 281,954               | 71.3%    |
| DRY WHEY                        | 0                          | 0                          | 0.0%  | 1,147            | 831              | 38.03%   | 0                            | 0                            | 0.0%    | 18,158             | 12,488                | 45.4%    |
| FEEDER CATTLE                   | 0                          | 0                          | 0.0%  | 342,589          | 267,000          | 28.31%   | 0                            | 54                           | -100.0% | 2,341,625          | 2,470,304             | -5.2%    |
| FERTILIZER PRODUCTS             | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| GOLDMAN SACHS                   | 0                          | 0                          | 0.0%  | 3,821            | 12,674           | -69.85%  | 0                            | 0                            | 0.0%    | 80,816             | 137,826               | -41.4%   |
| GSCI EXCESS RETURN FUT          | 0                          | 0                          | 0.0%  | 50               | 41               | 21.95%   | 0                            | 0                            | 0.0%    | 151                | 85                    | 77.6%    |
| 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                  | 25                    | -100.0%  |
| HDD WEATHER EUROPEAN            | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%    | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| HOGS                            | 0                          | 0                          | 0.0%  | 1,098,116        | 1,233,413        | -10.97%  | 0                            | 1,940                        | -100.0% | 8,930,968          | 9,969,071             | -10.4%   |
| HOUSING INDEX                   | 0                          | 0                          | 0.0%  | 26               | 17               | 52.94%   | 0                            | 0                            | 0.0%    | 122                | 260                   | -53.1%   |
| Intercommodity Spread           | 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<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG   | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|---------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Ag Products Futures</b> |                            |                            |       |                  |                  |         |                              |                              |         |                    |                       |          |
| KC WHEAT                   | 0                          | 0                          | 0.0%  | 672,673          | 964,013          | -30.22% | 0                            | 1,534                        | -100.0% | 9,625,467          | 10,514,342            | -8.5%    |
| LUMBER                     | 0                          | 0                          | 0.0%  | 6,134            | 10,839           | -43.41% | 0                            | 0                            | 0.0%    | 89,760             | 124,486               | -27.9%   |
| MALAYSIAN PALM SWAP        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| MILK                       | 0                          | 0                          | 0.0%  | 22,038           | 26,834           | -17.87% | 0                            | 59                           | -100.0% | 211,404            | 316,340               | -33.2%   |
| MINI CORN                  | 0                          | 0                          | 0.0%  | 33,199           | 27,727           | 19.74%  | 0                            | 0                            | 0.0%    | 589,626            | 197,277               | 198.9%   |
| MINI SOYBEAN               | 0                          | 0                          | 0.0%  | 36,953           | 67,216           | -45.02% | 0                            | 0                            | 0.0%    | 530,344            | 288,177               | 84.0%    |
| MINI WHEAT                 | 0                          | 0                          | 0.0%  | 14,676           | 13,969           | 5.06%   | 0                            | 0                            | 0.0%    | 188,706            | 117,519               | 60.6%    |
| 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%  | 4,290            | 5,350            | -19.81% | 0                            | 0                            | 0.0%    | 47,300             | 73,938                | -36.0%   |
| OATS                       | 0                          | 0                          | 0.0%  | 10,348           | 9,163            | 12.93%  | 0                            | 0                            | 0.0%    | 93,257             | 100,903               | -7.6%    |
| PACIFIC RIM DAT SS WTHR    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| PORK CUTOUT                | 0                          | -                          | -     | 1,407            | -                |         | 0                            | -                            | -       | 23,195             | -                     | -        |
| ROUGH RICE                 | 0                          | 0                          | 0.0%  | 10,899           | 6,708            | 62.48%  | 0                            | 0                            | 0.0%    | 138,250            | 185,544               | -25.5%   |
| SOYBEAN                    | 0                          | 0                          | 0.0%  | 2,919,733        | 5,412,870        | -46.06% | 0                            | 10,769                       | -100.0% | 37,714,142         | 40,472,626            | -6.8%    |
| SOYBEAN MEAL               | 0                          | 0                          | 0.0%  | 1,803,878        | 2,777,463        | -35.05% | 0                            | 1,333                        | -100.0% | 18,179,756         | 21,681,357            | -16.2%   |
| SOYBEAN OIL                | 0                          | 0                          | 0.0%  | 2,428,279        | 2,731,051        | -11.09% | 0                            | 4,078                        | -100.0% | 24,340,510         | 24,029,235            | 1.3%     |
| 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                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 10                    | -100.0%  |
| 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%  | 2,813            | 5,069            | -44.51% | 0                            | 0                            | 0.0%    | 28,791             | 14,058                | 104.8%   |
| <b>Ag Products Options</b> |                            |                            |       |                  |                  |         |                              |                              |         |                    |                       |          |
| AUG-NOV SOYBEAN CAL SPR    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%   | 0                            | 0                            | 0.0%    | 0                  | 77                    | -100.0%  |
| BLOCK CHEESE               | 0                          | 0                          | 0.0%  | 540              | 371              | 45.55%  | 0                            | 2,052                        | -100.0% | 2,922              | 5,793                 | -49.6%   |
| BUTTER CS                  | 0                          | 0                          | 0.0%  | 1,137            | 1,496            | -24.00% | 0                            | 212                          | -100.0% | 16,760             | 27,349                | -38.7%   |
| CASH-SETTLED CHEESE        | 0                          | 0                          | 0.0%  | 1,489            | 7,563            | -80.31% | 0                            | 5,682                        | -100.0% | 57,727             | 97,364                | -40.7%   |
| CATTLE                     | 0                          | 0                          | 0.0%  | 223,775          | 158,881          | 40.84%  | 0                            | 59,913                       | -100.0% | 1,714,603          | 2,022,471             | -15.2%   |
| 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%    | 0                  | 0                     | 0.0%     |
| CDD WEATHER                | 0                          | -                          | -     | 0                | -                |         | 0                            | -                            | -       | 0                  | -                     | -        |
| CHI WHEAT                  | 0                          | 0                          | 0.0%  | 379,246          | 691,552          | -45.16% | 0                            | 202,275                      | -100.0% | 4,043,693          | 5,688,146             | -28.9%   |
| CLASS IV MILK              | 0                          | 0                          | 0.0%  | 5,602            | 1,254            | 346.73% | 0                            | 1,082                        | -100.0% | 31,322             | 43,720                | -28.4%   |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG | ELEC<br>SEP 2021 | ELEC<br>SEP 2020 | % CHG      | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG   | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D<br>2020 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|-------|------------------|------------------|------------|------------------------------|------------------------------|---------|--------------------|-----------------------|----------|
| <b>Ag Products Options</b> |                            |                            |       |                  |                  |            |                              |                              |         |                    |                       |          |
| CORN                       | 0                          | 0                          | 0.0%  | 2,017,501        | 2,303,088        | -12.40%    | 0                            | 536,597                      | -100.0% | 26,271,575         | 15,893,945            | 65.3%    |
| CORN NEARBY+2 CAL SPRD     | 0                          | 0                          | 0.0%  | 6,176            | 2,249            | 174.61%    | 0                            | 14,975                       | -100.0% | 114,776            | 45,619                | 151.6%   |
| DEC-DEC CORN CAL SPRD      | 0                          | 0                          | 0.0%  | 30               | 470              | -93.62%    | 0                            | 250                          | -100.0% | 1,517              | 1,770                 | -14.3%   |
| DEC-JULY CORN CAL SPRD     | 0                          | 0                          | 0.0%  | 4,400            | 100              | 4,300.00%  | 0                            | 175                          | -100.0% | 15,985             | 2,681                 | 496.2%   |
| DEC-JULY WHEAT CAL SPRD    | 0                          | 0                          | 0.0%  | 0                | 75               | -100.00%   | 0                            | 0                            | 0.0%    | 0                  | 1,545                 | -100.0%  |
| DRY WHEY                   | 0                          | 0                          | 0.0%  | 92               | 88               | 4.55%      | 0                            | 119                          | -100.0% | 1,746              | 4,240                 | -58.8%   |
| FEEDER CATTLE              | 0                          | 0                          | 0.0%  | 22,673           | 16,500           | 37.41%     | 0                            | 4,252                        | -100.0% | 193,216            | 227,237               | -15.0%   |
| 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                  | -                     | -        |
| HOGS                       | 0                          | 0                          | 0.0%  | 266,144          | 287,237          | -7.34%     | 0                            | 34,430                       | -100.0% | 1,885,556          | 2,493,839             | -24.4%   |
| HOUSING INDEX              | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| Intercommodity Spread      | 0                          | 0                          | 0.0%  | 0                | 6                | -100.00%   | 0                            | 7,987                        | -100.0% | 271                | 3,299                 | -91.8%   |
| JAN-MAR SOYBEAN CSO        | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%    | 0                  | 20                    | -100.0%  |
| JULY-DEC CORN CAL SPRD     | 0                          | 0                          | 0.0%  | 5,050            | 20               | 25,150.00% | 0                            | 11,810                       | -100.0% | 40,105             | 7,145                 | 461.3%   |
| JULY-DEC SOYMEAL CAL SPR   | -                          | 0                          | 0.0%  | -                | 0                | 0.00%      | -                            | 0                            | 0.0%    | -                  | 0                     | 0.0%     |
| JULY-DEC SOY OIL CAL SPRD  | 0                          | 0                          | 0.0%  | 0                | 125              | -100.00%   | 0                            | 0                            | 0.0%    | 0                  | 125                   | -100.0%  |
| JULY-DEC WHEAT CAL SPRD    | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 1,520                        | -100.0% | 100                | 2,136                 | -95.3%   |
| JULY-JULY WHEAT CAL SPRD   | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 50                           | -100.0% | 0                  | 70                    | -100.0%  |
| JULY-NOV SOYBEAN CAL SPR   | 0                          | 0                          | 0.0%  | 0                | 103              | -100.00%   | 0                            | 4,950                        | -100.0% | 2,422              | 9,100                 | -73.4%   |
| KC WHEAT                   | 0                          | 0                          | 0.0%  | 68,933           | 78,537           | -12.23%    | 0                            | 36,570                       | -100.0% | 557,418            | 851,339               | -34.5%   |
| LUMBER                     | 0                          | 0                          | 0.0%  | 520              | 644              | -19.25%    | 0                            | 0                            | 0.0%    | 6,700              | 8,258                 | -18.9%   |
| LV CATL CSO                | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 0                            | 0.0%    | 0                  | 0                     | 0.0%     |
| MAR-DEC CORN CAL SPRD      | 0                          | 0                          | 0.0%  | 0                | 0                | 0.00%      | 0                            | 505                          | -100.0% | 0                  | 0                     | 0.0%     |
| MAR-JULY CORN CAL SPRD     | 0                          | 0                          | 0.0%  | 400              | 0                | 0.00%      | 0                            | 2,500                        | -100.0% | 400                | 0                     | 0.0%     |
| MAR-JULY SOYBEAN CAL SPR   | 0                          | -                          | -     | 0                | -                |            | 0                            | -                            | -       | 0                  | -                     | -        |
| MAR-JULY WHEAT CAL SPRD    | 0                          | 0                          | 0.0%  | 0                | 140              | -100.00%   | 0                            | 0                            | 0.0%    | 0                  | 215                   | -100.0%  |
| MILK                       | 0                          | 0                          | 0.0%  | 23,693           | 23,809           | -0.49%     | 0                            | 3,323                        | -100.0% | 221,457            | 424,436               | -47.8%   |
| MLK MID OPTIONS            | 0                          | 0                          | 0.0%  | 4                | 0                | 0.00%      | 0                            | 31                           | -100.0% | 15                 | 86                    | -82.6%   |
| NFD MILK                   | 0                          | 0                          | 0.0%  | 2,255            | 4,316            | -47.75%    | 0                            | 494                          | -100.0% | 31,413             | 59,166                | -46.9%   |
| NOV-JULY SOYBEAN CAL SPR   | 0                          | 0                          | 0.0%  | 0                | 2,065            | -100.00%   | 0                            | 0                            | 0.0%    | 0                  | 2,170                 | -100.0%  |
| NOV-MAR SOYBEAN CSO        | 0                          | 0                          | 0.0%  | 0                | 50               | -100.00%   | 0                            | 100                          | -100.0% | 150                | 1,235                 | -87.9%   |
| NOV-NOV SOYBEAN CAL SPR    | 0                          | 0                          | 0.0%  | 0                | 110              | -100.00%   | 0                            | 0                            | 0.0%    | 0                  | 180                   | -100.0%  |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG         | ELEC<br>SEP 2021   | ELEC<br>SEP 2020   | % CHG       | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG       | ELEC<br>Y.T.D 2021   | ELEC<br>Y.T.D<br>2020 | %<br>CHG     |
|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|-------------|------------------------------|------------------------------|-------------|----------------------|-----------------------|--------------|
| <b>Ag Products Options</b> |                            |                            |               |                    |                    |             |                              |                              |             |                      |                       |              |
| OATS                       | 0                          | 0                          | 0.0%          | 483                | 166                | 190.96%     | 0                            | 720                          | -100.0%     | 2,607                | 1,454                 | 79.3%        |
| PORK CUTOUT                | 0                          | -                          | -             | 10                 | -                  |             | 0                            | -                            | -           | 749                  | -                     | -            |
| ROUGH RICE                 | 0                          | 0                          | 0.0%          | 899                | 242                | 271.49%     | 0                            | 6,492                        | -100.0%     | 6,057                | 13,560                | -55.3%       |
| SOYBEAN                    | 0                          | 0                          | 0.0%          | 1,044,513          | 1,776,078          | -41.19%     | 0                            | 275,778                      | -100.0%     | 14,473,627           | 10,296,298            | 40.6%        |
| SOYBEAN CRUSH              | 0                          | 0                          | 0.0%          | 119                | 192                | -38.02%     | 0                            | 830                          | -100.0%     | 1,190                | 1,812                 | -34.3%       |
| SOYBEAN MEAL               | 0                          | 0                          | 0.0%          | 167,901            | 369,765            | -54.59%     | 0                            | 84,223                       | -100.0%     | 1,972,681            | 2,000,714             | -1.4%        |
| SOYBEAN OIL                | 0                          | 0                          | 0.0%          | 198,860            | 213,323            | -6.78%      | 0                            | 106,072                      | -100.0%     | 2,626,870            | 1,459,255             | 80.0%        |
| SOYBN NEARBY+2 CAL SPRD    | 0                          | 0                          | 0.0%          | 550                | 4,335              | -87.31%     | 0                            | 335                          | -100.0%     | 20,054               | 5,170                 | 287.9%       |
| SOYMEAL NEARBY+2 CAL SPR   | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.00%       | 0                            | 200                          | -100.0%     | 0                    | 0                     | 0.0%         |
| WHEAT                      | 0                          | 0                          | 0.0%          | 409                | 1,630              | -74.91%     | 0                            | 16                           | -100.0%     | 6,476                | 8,424                 | -23.1%       |
| WHEAT-CORN ICSCO           | 0                          | 0                          | 0.0%          | 0                  | 1,190              | -100.00%    | 0                            | 70                           | -100.0%     | 831                  | 5,258                 | -84.2%       |
| WHEAT NEARBY+2 CAL SPRD    | 0                          | 0                          | 0.0%          | 1,492              | 0                  | 0.00%       | 0                            | 1,251                        | -100.0%     | 5,467                | 4,701                 | 16.3%        |
| <b>TOTAL FUTURES GROUP</b> |                            |                            |               |                    |                    |             |                              |                              |             |                      |                       |              |
| Interest Rate Futures      | 467,695                    | 119,188                    | 292.4%        | 121,124,237        | 79,415,575         | 52.5%       | 3,809,391                    | 3,443,391                    | 10.6%       | 1,285,584,834        | 1,193,604,993         | 7.7%         |
| Equity Index Futures       | 0                          | 0                          | 0.0%          | 112,611,857        | 128,930,986        | -12.7%      | 0                            | 33,712                       | -100.0%     | 874,285,114          | 949,568,447           | -7.9%        |
| Metals Futures             | 0                          | 0                          | 0.0%          | 8,076,205          | 13,995,843         | -42.3%      | 0                            | 0                            | 0.0%        | 95,958,085           | 123,389,330           | -22.2%       |
| Energy Futures             | 0                          | 0                          | 0.0%          | 39,933,491         | 34,810,447         | 14.7%       | 0                            | 0                            | 0.0%        | 342,277,235          | 407,485,495           | -16.0%       |
| FX Futures                 | 0                          | 0                          | 0.0%          | 19,283,810         | 20,167,032         | -4.4%       | 0                            | 36                           | -100.0%     | 142,090,063          | 156,356,349           | -9.1%        |
| Ags Futures                | 0                          | 0                          | 0.0%          | 50                 | 0                  | 0.0%        | 0                            | 0                            | 0.0%        | 54                   | 90                    | -40.0%       |
| Foreign Exchange Futures   | -                          | 0                          | 0.0%          | -                  | 0                  | 0.0%        | -                            | 0                            | 0.0%        | -                    | 0                     | 0.0%         |
| Ag Products Futures        | 0                          | 0                          | 0.0%          | 17,266,063         | 23,054,336         | -25.1%      | 0                            | 52,661                       | -100.0%     | 204,900,505          | 214,351,377           | -4.4%        |
| <b>TOTAL FUTURES</b>       | <b>467,695</b>             | <b>119,188</b>             | <b>292.4%</b> | <b>318,295,713</b> | <b>300,374,219</b> | <b>6.0%</b> | <b>3,809,391</b>             | <b>3,529,800</b>             | <b>7.9%</b> | <b>2,945,095,890</b> | <b>3,044,756,081</b>  | <b>-3.3%</b> |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>SEP 2021 | Open<br>Outcry<br>SEP 2020 | % CHG         | ELEC<br>SEP 2021   | ELEC<br>SEP 2020   | % CHG        | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | % CHG        | ELEC<br>Y.T.D 2021   | ELEC<br>Y.T.D<br>2020 | %<br>CHG      |
|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|-----------------------|---------------|
| <b>TOTAL OPTIONS GROUP</b> |                            |                            |               |                    |                    |              |                              |                              |              |                      |                       |               |
| Equity Index Options       | 0                          | 0                          | 0.0%          | 18,725,088         | 15,037,807         | 24.5%        | 0                            | 1,658,011                    | -100.0%      | 124,077,590          | 139,359,156           | -11.0%        |
| Interest Rate Options      | 11,360,216                 | 4,005,714                  | 183.6%        | 23,372,490         | 14,147,194         | 65.2%        | 116,560,194                  | 79,751,753                   | 46.2%        | 229,974,519          | 280,285,784           | -17.9%        |
| Metals Options             | 0                          | 0                          | 0.0%          | 835,256            | 1,027,306          | -18.7%       | 0                            | 0                            | 0.0%         | 8,369,502            | 11,557,990            | -27.6%        |
| Energy Options             | 0                          | 0                          | 0.0%          | 3,690,294          | 3,466,589          | 6.5%         | 0                            | 0                            | 0.0%         | 29,256,247           | 32,349,037            | -9.6%         |
| FX Options                 | 0                          | 0                          | 0.0%          | 797,168            | 737,286            | 8.1%         | 0                            | 4,673                        | -100.0%      | 6,233,539            | 8,008,296             | -22.2%        |
| Ag Products Options        | 0                          | 0                          | 0.0%          | 4,444,896          | 5,947,770          | -25.3%       | 0                            | 1,407,841                    | -100.0%      | 54,328,458           | 41,721,422            | 30.2%         |
| Foreign Exchange Options   | 0                          | 0                          | 0.0%          | 49                 | 469                | -89.6%       | 0                            | 0                            | 0.0%         | 4,360                | 6,893                 | -36.7%        |
| <b>TOTAL OPTIONS</b>       | <b>11,360,216</b>          | <b>4,005,714</b>           | <b>183.6%</b> | <b>51,865,241</b>  | <b>40,364,421</b>  | <b>28.5%</b> | <b>116,560,194</b>           | <b>82,822,278</b>            | <b>40.7%</b> | <b>452,244,215</b>   | <b>513,288,578</b>    | <b>-11.9%</b> |
| <b>TOTAL COMBINED</b>      |                            |                            |               |                    |                    |              |                              |                              |              |                      |                       |               |
| Interest Rate              | 11,827,911                 | 4,124,902                  | 186.7%        | 144,496,727        | 93,562,769         | 54.4%        | 120,369,585                  | 83,195,144                   | 44.7%        | 1,515,559,353        | 1,473,890,777         | 2.8%          |
| Equity Index               | 0                          | 0                          | 0.0%          | 131,336,945        | 143,968,793        | -8.8%        | 0                            | 1,691,723                    | -100.0%      | 998,362,704          | 1,088,927,603         | -8.3%         |
| Metals                     | 0                          | 0                          | 0.0%          | 8,911,461          | 15,023,149         | -40.7%       | 0                            | 0                            | 0.0%         | 104,327,587          | 134,947,320           | -22.7%        |
| Energy                     | 0                          | 0                          | 0.0%          | 43,623,785         | 38,277,036         | 14.0%        | 0                            | 0                            | 0.0%         | 371,533,482          | 439,834,532           | -15.5%        |
| FX                         | 0                          | 0                          | 0.0%          | 20,080,978         | 20,904,318         | -3.9%        | 0                            | 4,709                        | -100.0%      | 148,323,602          | 164,364,645           | -9.8%         |
| Ags                        | 0                          | 0                          | 0.0%          | 50                 | 0                  | 0.0%         | 0                            | 0                            | 0.0%         | 54                   | 90                    | -40.0%        |
| Foreign Exchange           | 0                          | 0                          | 0.0%          | 49                 | 469                | -89.6%       | 0                            | 0                            | 0.0%         | 4,360                | 6,893                 | -36.7%        |
| Ag Products                | 0                          | 0                          | 0.0%          | 21,710,959         | 29,002,106         | -25.1%       | 0                            | 1,460,502                    | -100.0%      | 259,228,963          | 256,072,799           | 1.2%          |
| <b>GRAND TOTAL</b>         | <b>11,827,911</b>          | <b>4,124,902</b>           | <b>186.7%</b> | <b>370,160,954</b> | <b>340,738,640</b> | <b>8.6%</b>  | <b>120,369,585</b>           | <b>86,352,078</b>            | <b>39.4%</b> | <b>3,397,340,105</b> | <b>3,558,044,659</b>  | <b>-4.5%</b>  |

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