



## CME Exchange Volume Comparison Report - Monthly

|                              | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Interest Rate Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| 1-MONTH EURODOLLAR           | 0                          | 0                          | 0.0%     | 0                | 22               | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 22                 | -100.0%  |
| EURODOLLARS                  | 248,853                    | 496,863                    | -49.9%   | 40,853,031       | 42,876,723       | -4.7%    | 248,853                      | 496,863                      | -49.9%   | 40,853,031         | 42,876,723         | -4.7%    |
| SOFR                         | 0                          | 0                          | 0.0%     | 1,798,290        | 807,966          | 122.6%   | 0                            | 0                            | 0.0%     | 1,798,290          | 807,966            | 122.6%   |
| SONIA                        | 0                          | 0                          | 0.0%     | 147,255          | 211,066          | -30.2%   | 0                            | 0                            | 0.0%     | 147,255            | 211,066            | -30.2%   |
| <b>Interest Rate Options</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| EURODOLLARS                  | 2,782,053                  | 10,713,284                 | -74.0%   | 1,448,148        | 8,429,305        | -82.8%   | 2,782,053                    | 10,713,284                   | -74.0%   | 1,448,148          | 8,429,305          | -82.8%   |
| EURO MIDCURVE                | 7,199,806                  | 4,262,363                  | 68.9%    | 4,060,884        | 3,880,294        | 4.7%     | 7,199,806                    | 4,262,363                    | 68.9%    | 4,060,884          | 3,880,294          | 4.7%     |
| SOFR                         | 0                          | 10                         | -100.0%  | 50               | 12               | 316.7%   | 0                            | 10                           | -100.0%  | 50                 | 12                 | 316.7%   |
| <b>Equity Index Futures</b>  |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| BITCOIN FUTURES              | 0                          | 0                          | 0.0%     | 332,912          | 225,972          | 47.3%    | 0                            | 0                            | 0.0%     | 332,912            | 225,972            | 47.3%    |
| E-MINI COM SERVICES SELEC    | 0                          | 0                          | 0.0%     | 1,502            | 914              | 64.3%    | 0                            | 0                            | 0.0%     | 1,502              | 914                | 64.3%    |
| E-mini FTSE 100 (USD)        | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| E-mini FTSE China 50         | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| E-MINI MIDCAP                | 0                          | 0                          | 0.0%     | 269,908          | 319,454          | -15.5%   | 0                            | 0                            | 0.0%     | 269,908            | 319,454            | -15.5%   |
| E-MINI NASDAQ 100            | 0                          | 0                          | 0.0%     | 10,162,061       | 12,053,376       | -15.7%   | 0                            | 0                            | 0.0%     | 10,162,061         | 12,053,376         | -15.7%   |
| E-MINI RUSSELL 1000          | 0                          | 0                          | 0.0%     | 2,324            | 2,254            | 3.1%     | 0                            | 0                            | 0.0%     | 2,324              | 2,254              | 3.1%     |
| E-MINI RUSSELL 1000 GROWT    | 0                          | 0                          | 0.0%     | 1,334            | 2,160            | -38.2%   | 0                            | 0                            | 0.0%     | 1,334              | 2,160              | -38.2%   |
| E-MINI RUSSELL 1000 VALUE    | 0                          | 0                          | 0.0%     | 3,490            | 4,092            | -14.7%   | 0                            | 0                            | 0.0%     | 3,490              | 4,092              | -14.7%   |
| E-MINI RUSSELL 2000          | 0                          | 0                          | 0.0%     | 3,799,798        | 3,240,804        | 17.2%    | 0                            | 0                            | 0.0%     | 3,799,798          | 3,240,804          | 17.2%    |
| E-MINI S&P500                | 0                          | 0                          | 0.0%     | 30,111,878       | 36,638,851       | -17.8%   | 0                            | 0                            | 0.0%     | 30,111,878         | 36,638,851         | -17.8%   |
| E-MINI S&P REAL ESTATE SEL   | 0                          | 0                          | 0.0%     | 2,155            | 7,633            | -71.8%   | 0                            | 0                            | 0.0%     | 2,155              | 7,633              | -71.8%   |
| FT-SE 100                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FTSE Emerging                | 0                          | 0                          | 0.0%     | 0                | 2,434            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 2,434              | -100.0%  |
| IBOVESPA INDEX               | 0                          | 0                          | 0.0%     | 428              | 841              | -49.1%   | 0                            | 0                            | 0.0%     | 428                | 841                | -49.1%   |
| MICRO E-MINI NASDAQ 100      | 0                          | 0                          | 0.0%     | 17,308,584       | 5,813,327        | 197.7%   | 0                            | 0                            | 0.0%     | 17,308,584         | 5,813,327          | 197.7%   |
| MICRO E-MINI RUSSELL 2000    | 0                          | 0                          | 0.0%     | 3,591,985        | 823,637          | 336.1%   | 0                            | 0                            | 0.0%     | 3,591,985          | 823,637            | 336.1%   |
| MICRO E-MINI S&P500          | 0                          | 0                          | 0.0%     | 18,935,054       | 6,665,811        | 184.1%   | 0                            | 0                            | 0.0%     | 18,935,054         | 6,665,811          | 184.1%   |
| NASDAQ BIOTECH               | 0                          | 0                          | 0.0%     | 675              | 581              | 16.2%    | 0                            | 0                            | 0.0%     | 675                | 581                | 16.2%    |
| Nearby BTIC+                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Equity Index Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NIKKEI 225 (\$) STOCK       | 0                          | 0                          | 0.0%     | 127,839          | 204,716          | -37.6%   | 0                            | 0                            | 0.0%     | 127,839            | 204,716            | -37.6%   |
| NIKKEI 225 (YEN) STOCK      | 0                          | 0                          | 0.0%     | 651,935          | 883,178          | -26.2%   | 0                            | 0                            | 0.0%     | 651,935            | 883,178            | -26.2%   |
| S&P 500                     | 0                          | 3,803                      | -100.0%  | 2,807            | 1,245            | 125.5%   | 0                            | 3,803                        | -100.0%  | 2,807              | 1,245              | 125.5%   |
| S&P 500 ANNUAL DIVIDEND IN  | 0                          | 0                          | 0.0%     | 20,041           | 10,144           | 97.6%    | 0                            | 0                            | 0.0%     | 20,041             | 10,144             | 97.6%    |
| S&P 500/GI                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| S&P 500 QUARLY DIVIDEND IN  | 0                          | 0                          | 0.0%     | 142              | 190              | -25.3%   | 0                            | 0                            | 0.0%     | 142                | 190                | -25.3%   |
| S&P 600 SMALLCAP EMINI      | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| S&P CONSUMER DSCRTRNRY S    | 0                          | 0                          | 0.0%     | 9,058            | 5,576            | 62.4%    | 0                            | 0                            | 0.0%     | 9,058              | 5,576              | 62.4%    |
| S&P CONSUMER STAPLES SE     | 0                          | 0                          | 0.0%     | 7,449            | 8,274            | -10.0%   | 0                            | 0                            | 0.0%     | 7,449              | 8,274              | -10.0%   |
| S&P ENERGY SECTOR           | 0                          | 0                          | 0.0%     | 19,831           | 11,758           | 68.7%    | 0                            | 0                            | 0.0%     | 19,831             | 11,758             | 68.7%    |
| S&P FINANCIAL SECTOR        | 0                          | 0                          | 0.0%     | 27,893           | 12,107           | 130.4%   | 0                            | 0                            | 0.0%     | 27,893             | 12,107             | 130.4%   |
| S&P HEALTH CARE SECTOR      | 0                          | 0                          | 0.0%     | 9,772            | 8,104            | 20.6%    | 0                            | 0                            | 0.0%     | 9,772              | 8,104              | 20.6%    |
| S&P INDUSTRIAL SECTOR       | 0                          | 0                          | 0.0%     | 7,481            | 4,980            | 50.2%    | 0                            | 0                            | 0.0%     | 7,481              | 4,980              | 50.2%    |
| S&P MATERIALS SECTOR        | 0                          | 0                          | 0.0%     | 5,816            | 5,090            | 14.3%    | 0                            | 0                            | 0.0%     | 5,816              | 5,090              | 14.3%    |
| S&P TECHNOLOGY SECTOR       | 0                          | 0                          | 0.0%     | 7,070            | 6,545            | 8.0%     | 0                            | 0                            | 0.0%     | 7,070              | 6,545              | 8.0%     |
| S&P UTILITIES SECTOR        | 0                          | 0                          | 0.0%     | 10,628           | 11,154           | -4.7%    | 0                            | 0                            | 0.0%     | 10,628             | 11,154             | -4.7%    |
| S&P VALUE INDEX FUTURES     | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WATER INDEX FUTURES         | 0                          | -                          | -        | 86               | -                | -        | 0                            | -                            | -        | 86                 | -                  | -        |
| YEN DENOMINATED TOPIX       | 0                          | 0                          | 0.0%     | 1,427            | 14,380           | -90.1%   | 0                            | 0                            | 0.0%     | 1,427              | 14,380             | -90.1%   |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Equity Index Options</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| BITCOIN FUTURES             | 0                          | 0                          | 0.0%     | 1,561            | 230              | 578.7%   | 0                            | 0                            | 0.0%     | 1,561              | 230                | 578.7%   |
| E-MINI NASDAQ 100           | 0                          | 0                          | 0.0%     | 373,190          | 376,540          | -0.9%    | 0                            | 0                            | 0.0%     | 373,190            | 376,540            | -0.9%    |
| E-MINI RUSSELL 2000         | 0                          | 0                          | 0.0%     | 26,492           | 10,458           | 153.3%   | 0                            | 0                            | 0.0%     | 26,492             | 10,458             | 153.3%   |
| E-MINI S&P500               | 0                          | 0                          | 0.0%     | 5,180,464        | 5,735,273        | -9.7%    | 0                            | 0                            | 0.0%     | 5,180,464          | 5,735,273          | -9.7%    |
| EOM E-MINI RUSSELL 2000 EN  | 0                          | 0                          | 0.0%     | 23,951           | 7,585            | 215.8%   | 0                            | 0                            | 0.0%     | 23,951             | 7,585              | 215.8%   |
| EOM EMINI S&P               | 0                          | 0                          | 0.0%     | 1,950,918        | 2,782,814        | -29.9%   | 0                            | 0                            | 0.0%     | 1,950,918          | 2,782,814          | -29.9%   |
| EOM S&P 500                 | 0                          | 122,591                    | -100.0%  | 3,117            | 0                | 0.0%     | 0                            | 122,591                      | -100.0%  | 3,117              | 0                  | 0.0%     |
| EOW1 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%     | 7,635            | 5,187            | 47.2%    | 0                            | 0                            | 0.0%     | 7,635              | 5,187              | 47.2%    |
| EOW1 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 469,822          | 1,040,733        | -54.9%   | 0                            | 0                            | 0.0%     | 469,822            | 1,040,733          | -54.9%   |
| EOW1 S&P 500                | 0                          | 49,598                     | -100.0%  | 12,784           | 0                | 0.0%     | 0                            | 49,598                       | -100.0%  | 12,784             | 0                  | 0.0%     |
| EOW2 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%     | 8,537            | 4,343            | 96.6%    | 0                            | 0                            | 0.0%     | 8,537              | 4,343              | 96.6%    |
| EOW2 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 1,028,224        | 1,083,585        | -5.1%    | 0                            | 0                            | 0.0%     | 1,028,224          | 1,083,585          | -5.1%    |
| EOW2 S&P 500                | 0                          | 123,276                    | -100.0%  | 16,889           | 0                | 0.0%     | 0                            | 123,276                      | -100.0%  | 16,889             | 0                  | 0.0%     |
| EOW3 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%     | 30,981           | 25,901           | 19.6%    | 0                            | 0                            | 0.0%     | 30,981             | 25,901             | 19.6%    |
| EOW3 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 2,415,023        | 2,787,909        | -13.4%   | 0                            | 0                            | 0.0%     | 2,415,023          | 2,787,909          | -13.4%   |
| EOW3 S&P 500                | 0                          | 126,516                    | -100.0%  | 27,836           | 0                | 0.0%     | 0                            | 126,516                      | -100.0%  | 27,836             | 0                  | 0.0%     |
| EOW4 E-MINI RUSSELL 2000 W  | 0                          | 0                          | 0.0%     | 13,521           | 5,613            | 140.9%   | 0                            | 0                            | 0.0%     | 13,521             | 5,613              | 140.9%   |
| EOW4 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 895,287          | 959,623          | -6.7%    | 0                            | 0                            | 0.0%     | 895,287            | 959,623            | -6.7%    |
| EOW4 S&P 500                | 0                          | -                          | -        | 19,301           | -                | -        | 0                            | -                            | -        | 19,301             | -                  | -        |
| MICRO E-MINI NASDAQ 100     | 0                          | -                          | -        | 754              | -                | -        | 0                            | -                            | -        | 754                | -                  | -        |
| MICRO E-MINI S&P500         | 0                          | -                          | -        | 15,163           | -                | -        | 0                            | -                            | -        | 15,163             | -                  | -        |
| S&P 500                     | 0                          | 248,266                    | -100.0%  | 200              | 0                | 0.0%     | 0                            | 248,266                      | -100.0%  | 200                | 0                  | 0.0%     |
| <b>FX Futures</b>           |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| AD/CD CROSS RATES           | 0                          | 0                          | 0.0%     | 6                | 9                | -33.3%   | 0                            | 0                            | 0.0%     | 6                  | 9                  | -33.3%   |
| AD/JY CROSS RATES           | 0                          | 0                          | 0.0%     | 1,919            | 2,141            | -10.4%   | 0                            | 0                            | 0.0%     | 1,919              | 2,141              | -10.4%   |
| AD/NE CROSS RATES           | 0                          | 0                          | 0.0%     | 106              | 402              | -73.6%   | 0                            | 0                            | 0.0%     | 106                | 402                | -73.6%   |
| AUSTRALIAN DOLLAR           | 0                          | 0                          | 0.0%     | 2,197,856        | 2,091,197        | 5.1%     | 0                            | 0                            | 0.0%     | 2,197,856          | 2,091,197          | 5.1%     |
| BP/JY CROSS RATES           | 0                          | 0                          | 0.0%     | 1,722            | 2,633            | -34.6%   | 0                            | 0                            | 0.0%     | 1,722              | 2,633              | -34.6%   |
| BP/SF CROSS RATES           | 0                          | 0                          | 0.0%     | 281              | 293              | -4.1%    | 0                            | 0                            | 0.0%     | 281                | 293                | -4.1%    |
| BRAZIL REAL                 | 0                          | 0                          | 0.0%     | 244,598          | 174,926          | 39.8%    | 0                            | 0                            | 0.0%     | 244,598            | 174,926            | 39.8%    |
| BRITISH POUND               | 0                          | 0                          | 0.0%     | 1,683,412        | 1,969,534        | -14.5%   | 0                            | 0                            | 0.0%     | 1,683,412          | 1,969,534          | -14.5%   |

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|------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Futures</b>      |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| CANADIAN DOLLAR        | 0                          | 0                          | 0.0%     | 1,388,356        | 1,510,561        | -8.1%    | 0                            | 0                            | 0.0%     | 1,388,356          | 1,510,561          | -8.1%    |
| CD/JY CROSS RATES      | 0                          | 0                          | 0.0%     | 300              | 33               | 809.1%   | 0                            | 0                            | 0.0%     | 300                | 33                 | 809.1%   |
| CHINESE RENMINBI (CNH) | 0                          | 0                          | 0.0%     | 17,070           | 17,360           | -1.7%    | 0                            | 0                            | 0.0%     | 17,070             | 17,360             | -1.7%    |
| CZECK KORUNA (EC)      | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CZECK KORUNA (US)      | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| EC/AD CROSS RATES      | 0                          | 0                          | 0.0%     | 3,302            | 6,307            | -47.6%   | 0                            | 0                            | 0.0%     | 3,302              | 6,307              | -47.6%   |
| EC/CD CROSS RATES      | 0                          | 0                          | 0.0%     | 2,515            | 1,388            | 81.2%    | 0                            | 0                            | 0.0%     | 2,515              | 1,388              | 81.2%    |
| EC/NOK CROSS RATES     | 0                          | 0                          | 0.0%     | 91               | 103              | -11.7%   | 0                            | 0                            | 0.0%     | 91                 | 103                | -11.7%   |
| EC/SEK CROSS RATES     | 0                          | 0                          | 0.0%     | 300              | 442              | -32.1%   | 0                            | 0                            | 0.0%     | 300                | 442                | -32.1%   |
| EFX/BP CROSS RATES     | 0                          | 0                          | 0.0%     | 36,287           | 51,253           | -29.2%   | 0                            | 0                            | 0.0%     | 36,287             | 51,253             | -29.2%   |
| EFX/JY CROSS RATES     | 0                          | 0                          | 0.0%     | 17,781           | 41,609           | -57.3%   | 0                            | 0                            | 0.0%     | 17,781             | 41,609             | -57.3%   |
| EFX/SF CROSS RATES     | 0                          | 0                          | 0.0%     | 10,738           | 24,310           | -55.8%   | 0                            | 0                            | 0.0%     | 10,738             | 24,310             | -55.8%   |
| E-MINI EURO FX         | 0                          | 0                          | 0.0%     | 163,330          | 52,151           | 213.2%   | 0                            | 0                            | 0.0%     | 163,330            | 52,151             | 213.2%   |
| E-MINI JAPANESE YEN    | 0                          | 0                          | 0.0%     | 10,809           | 11,188           | -3.4%    | 0                            | 0                            | 0.0%     | 10,809             | 11,188             | -3.4%    |
| EURO FX                | 0                          | 0                          | 0.0%     | 3,368,705        | 3,587,205        | -6.1%    | 0                            | 0                            | 0.0%     | 3,368,705          | 3,587,205          | -6.1%    |
| HUNGARIAN FORINT (EC)  | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| HUNGARIAN FORINT (US)  | 0                          | 0                          | 0.0%     | 5                | 9                | -44.4%   | 0                            | 0                            | 0.0%     | 5                  | 9                  | -44.4%   |
| INDIAN RUPEE           | 0                          | 0                          | 0.0%     | 19,152           | 33,116           | -42.2%   | 0                            | 0                            | 0.0%     | 19,152             | 33,116             | -42.2%   |
| JAPANESE YEN           | 0                          | 0                          | 0.0%     | 1,719,179        | 2,889,312        | -40.5%   | 0                            | 0                            | 0.0%     | 1,719,179          | 2,889,312          | -40.5%   |
| KOREAN WON             | 0                          | 0                          | 0.0%     | 1,836            | 366              | 401.6%   | 0                            | 0                            | 0.0%     | 1,836              | 366                | 401.6%   |
| MEXICAN PESO           | 0                          | 0                          | 0.0%     | 1,064,856        | 1,036,648        | 2.7%     | 0                            | 0                            | 0.0%     | 1,064,856          | 1,036,648          | 2.7%     |
| MICRO AUD/USD          | 0                          | 0                          | 0.0%     | 298,958          | 91,698           | 226.0%   | 0                            | 0                            | 0.0%     | 298,958            | 91,698             | 226.0%   |
| MICRO CAD/USD          | 0                          | 0                          | 0.0%     | 38,475           | 16,232           | 137.0%   | 0                            | 0                            | 0.0%     | 38,475             | 16,232             | 137.0%   |
| MICRO CHF/USD          | 0                          | 0                          | 0.0%     | 7,407            | 5,567            | 33.1%    | 0                            | 0                            | 0.0%     | 7,407              | 5,567              | 33.1%    |
| MICRO EUR/USD          | 0                          | 0                          | 0.0%     | 625,932          | 163,794          | 282.1%   | 0                            | 0                            | 0.0%     | 625,932            | 163,794            | 282.1%   |
| MICRO GBP/USD          | 0                          | 0                          | 0.0%     | 73,218           | 43,825           | 67.1%    | 0                            | 0                            | 0.0%     | 73,218             | 43,825             | 67.1%    |
| MICRO INR/USD          | 0                          | 0                          | 0.0%     | 2,275            | 3,685            | -38.3%   | 0                            | 0                            | 0.0%     | 2,275              | 3,685              | -38.3%   |
| MICRO JPY/USD          | 0                          | 0                          | 0.0%     | 25,078           | 18,802           | 33.4%    | 0                            | 0                            | 0.0%     | 25,078             | 18,802             | 33.4%    |
| NEW ZEALND DOLLAR      | 0                          | 0                          | 0.0%     | 604,614          | 525,216          | 15.1%    | 0                            | 0                            | 0.0%     | 604,614            | 525,216            | 15.1%    |
| NKR/USD CROSS RATE     | 0                          | 0                          | 0.0%     | 2,644            | 6,586            | -59.9%   | 0                            | 0                            | 0.0%     | 2,644              | 6,586              | -59.9%   |
| POLISH ZLOTY (EC)      | 0                          | 0                          | 0.0%     | 24               | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 24                 | 0                  | 0.0%     |
| POLISH ZLOTY (US)      | 0                          | 0                          | 0.0%     | 1,941            | 377              | 414.9%   | 0                            | 0                            | 0.0%     | 1,941              | 377                | 414.9%   |
| RMB USD                | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RUSSIAN RUBLE          | 0                          | 0                          | 0.0%     | 69,652           | 70,877           | -1.7%    | 0                            | 0                            | 0.0%     | 69,652             | 70,877             | -1.7%    |
| S.AFRICAN RAND         | 0                          | 0                          | 0.0%     | 49,079           | 63,241           | -22.4%   | 0                            | 0                            | 0.0%     | 49,079             | 63,241             | -22.4%   |

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## CME Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Futures</b>         |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| SF/JY CROSS RATES         | 0                          | 0                          | 0.0%     | 14               | 35               | -60.0%   | 0                            | 0                            | 0.0%     | 14                 | 35                 | -60.0%   |
| SHEKEL                    | 0                          | 0                          | 0.0%     | 1                | 24               | -95.8%   | 0                            | 0                            | 0.0%     | 1                  | 24                 | -95.8%   |
| SKR/USD CROSS RATES       | 0                          | 0                          | 0.0%     | 2,610            | 3,611            | -27.7%   | 0                            | 0                            | 0.0%     | 2,610              | 3,611              | -27.7%   |
| SWISS FRANC               | 0                          | 0                          | 0.0%     | 384,507          | 572,565          | -32.8%   | 0                            | 0                            | 0.0%     | 384,507            | 572,565            | -32.8%   |
| TURKISH LIRA              | 0                          | 0                          | 0.0%     | 4                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 4                  | 0                  | 0.0%     |
| USDZAR                    | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| <b>FX Options</b>         |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| AUD/USD MONDAY OPTION W   | 0                          | -                          | -        | 266              | -                | -        | 0                            | -                            | -        | 266                | -                  | -        |
| AUD/USD MONDAY OPTION W   | 0                          | -                          | -        | 1,166            | -                | -        | 0                            | -                            | -        | 1,166              | -                  | -        |
| AUD/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| AUD/USD MONDAY OPTION W   | 0                          | -                          | -        | 225              | -                | -        | 0                            | -                            | -        | 225                | -                  | -        |
| AUD/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| AUD/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%     | 51,969           | 82,387           | -36.9%   | 0                            | 0                            | 0.0%     | 51,969             | 82,387             | -36.9%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 1,598            | 6,379            | -74.9%   | 0                            | 0                            | 0.0%     | 1,598              | 6,379              | -74.9%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 3,249            | 4,617            | -29.6%   | 0                            | 0                            | 0.0%     | 3,249              | 4,617              | -29.6%   |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 5,183            | 5,475            | -5.3%    | 0                            | 0                            | 0.0%     | 5,183              | 5,475              | -5.3%    |
| AUD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 1,174            | 4,805            | -75.6%   | 0                            | 0                            | 0.0%     | 1,174              | 4,805              | -75.6%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,416            | 1,456            | -2.7%    | 0                            | 0                            | 0.0%     | 1,416              | 1,456              | -2.7%    |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,625            | 1,736            | -6.4%    | 0                            | 0                            | 0.0%     | 1,625              | 1,736              | -6.4%    |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,218            | 2,300            | -47.0%   | 0                            | 0                            | 0.0%     | 1,218              | 2,300              | -47.0%   |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,502            | 1,254            | 19.8%    | 0                            | 0                            | 0.0%     | 1,502              | 1,254              | 19.8%    |
| AUD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 2,596            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 2,596              | -100.0%  |
| BRL/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%     | 13               | 50               | -74.0%   | 0                            | 0                            | 0.0%     | 13                 | 50                 | -74.0%   |
| CAD/USD MONDAY OPTIONS    | 0                          | -                          | -        | 848              | -                | -        | 0                            | -                            | -        | 848                | -                  | -        |
| CAD/USD MONDAY OPTIONS    | 0                          | -                          | -        | 450              | -                | -        | 0                            | -                            | -        | 450                | -                  | -        |
| CAD/USD MONDAY OPTIONS    | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| CAD/USD MONDAY OPTIONS    | 0                          | -                          | -        | 472              | -                | -        | 0                            | -                            | -        | 472                | -                  | -        |
| CAD/USD MONDAY OPTIONS    | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| CAD/USD MONTHLY OPTIONS   | 0                          | 300                        | -100.0%  | 39,800           | 41,398           | -3.9%    | 0                            | 300                          | -100.0%  | 39,800             | 41,398             | -3.9%    |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 2,489            | 10,665           | -76.7%   | 0                            | 0                            | 0.0%     | 2,489              | 10,665             | -76.7%   |

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## CME Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Options</b>         |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 5,931            | 9,410            | -37.0%   | 0                            | 0                            | 0.0%     | 5,931              | 9,410              | -37.0%   |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 5,066            | 8,125            | -37.6%   | 0                            | 0                            | 0.0%     | 5,066              | 8,125              | -37.6%   |
| CAD/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 5,872            | 10,608           | -44.6%   | 0                            | 0                            | 0.0%     | 5,872              | 10,608             | -44.6%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 909              | 1,677            | -45.8%   | 0                            | 0                            | 0.0%     | 909                | 1,677              | -45.8%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 832              | 1,243            | -33.1%   | 0                            | 0                            | 0.0%     | 832                | 1,243              | -33.1%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 449              | 3,116            | -85.6%   | 0                            | 0                            | 0.0%     | 449                | 3,116              | -85.6%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 195              | 2,052            | -90.5%   | 0                            | 0                            | 0.0%     | 195                | 2,052              | -90.5%   |
| CAD/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 1,503            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 1,503              | -100.0%  |
| CHF/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%     | 3,214            | 7,036            | -54.3%   | 0                            | 0                            | 0.0%     | 3,214              | 7,036              | -54.3%   |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 223              | 256              | -12.9%   | 0                            | 0                            | 0.0%     | 223                | 256                | -12.9%   |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 65               | 16               | 306.3%   | 0                            | 0                            | 0.0%     | 65                 | 16                 | 306.3%   |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 567              | 122              | 364.8%   | 0                            | 0                            | 0.0%     | 567                | 122                | 364.8%   |
| CHF/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 5                | 841              | -99.4%   | 0                            | 0                            | 0.0%     | 5                  | 841                | -99.4%   |
| EUR/GBP MONTHLY OPTIONS   | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EUR/GBP WKLY FRIDAY OPTIC | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| EUR/USD MONDAY OPTION W   | 0                          | -                          | -        | 167              | -                | -        | 0                            | -                            | -        | 167                | -                  | -        |
| EUR/USD MONDAY OPTION W   | 0                          | -                          | -        | 2,084            | -                | -        | 0                            | -                            | -        | 2,084              | -                  | -        |
| EUR/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| EUR/USD MONDAY OPTION W   | 0                          | -                          | -        | 4,023            | -                | -        | 0                            | -                            | -        | 4,023              | -                  | -        |
| EUR/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| EUR/USD MONTHLY OPTIONS   | 0                          | 301                        | -100.0%  | 192,372          | 274,226          | -29.8%   | 0                            | 301                          | -100.0%  | 192,372            | 274,226            | -29.8%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 2,890            | 22,429           | -87.1%   | 0                            | 0                            | 0.0%     | 2,890              | 22,429             | -87.1%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 17,048           | 29,852           | -42.9%   | 0                            | 0                            | 0.0%     | 17,048             | 29,852             | -42.9%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 16,204           | 27,114           | -40.2%   | 0                            | 0                            | 0.0%     | 16,204             | 27,114             | -40.2%   |
| EUR/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 16,187           | 22,430           | -27.8%   | 0                            | 0                            | 0.0%     | 16,187             | 22,430             | -27.8%   |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 4,623            | 6,775            | -31.8%   | 0                            | 0                            | 0.0%     | 4,623              | 6,775              | -31.8%   |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 6,970            | 6,837            | 1.9%     | 0                            | 0                            | 0.0%     | 6,970              | 6,837              | 1.9%     |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 8,464            | 6,116            | 38.4%    | 0                            | 0                            | 0.0%     | 8,464              | 6,116              | 38.4%    |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 11,661           | 8,441            | 38.1%    | 0                            | 0                            | 0.0%     | 11,661             | 8,441              | 38.1%    |
| EUR/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 9,542            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 9,542              | -100.0%  |
| GBP/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| GBP/USD MONDAY OPTION W   | 0                          | -                          | -        | 204              | -                | -        | 0                            | -                            | -        | 204                | -                  | -        |
| GBP/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |

## CME Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Options</b>         |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| GBP/USD MONDAY OPTION W   | 0                          | -                          | -        | 341              | -                | -        | 0                            | -                            | -        | 341                | -                  | -        |
| GBP/USD MONDAY OPTION W   | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| GBP/USD MONTHLY OPTIONS   | 0                          | 30                         | -100.0%  | 56,576           | 81,112           | -30.2%   | 0                            | 30                           | -100.0%  | 56,576             | 81,112             | -30.2%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 1,248            | 2,668            | -53.2%   | 0                            | 0                            | 0.0%     | 1,248              | 2,668              | -53.2%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 3,257            | 5,053            | -35.5%   | 0                            | 0                            | 0.0%     | 3,257              | 5,053              | -35.5%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 1,840            | 8,981            | -79.5%   | 0                            | 0                            | 0.0%     | 1,840              | 8,981              | -79.5%   |
| GBP/USD WKLY FRIDAY OPTIC | 0                          | 0                          | 0.0%     | 763              | 6,129            | -87.6%   | 0                            | 0                            | 0.0%     | 763                | 6,129              | -87.6%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 225              | 3,269            | -93.1%   | 0                            | 0                            | 0.0%     | 225                | 3,269              | -93.1%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 804              | 1,378            | -41.7%   | 0                            | 0                            | 0.0%     | 804                | 1,378              | -41.7%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 106              | 2,533            | -95.8%   | 0                            | 0                            | 0.0%     | 106                | 2,533              | -95.8%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,139            | 3,825            | -70.2%   | 0                            | 0                            | 0.0%     | 1,139              | 3,825              | -70.2%   |
| GBP/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 4,403            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 4,403              | -100.0%  |
| JPY/USD MONDAY OPTION WE  | 0                          | -                          | -        | 150              | -                | -        | 0                            | -                            | -        | 150                | -                  | -        |
| JPY/USD MONDAY OPTION WE  | 0                          | -                          | -        | 69               | -                | -        | 0                            | -                            | -        | 69                 | -                  | -        |
| JPY/USD MONDAY OPTION WE  | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| JPY/USD MONDAY OPTION WE  | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| JPY/USD MONDAY OPTION WE  | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| JPY/USD MONTHLY OPTIONS   | 0                          | 11                         | -100.0%  | 58,052           | 134,780          | -56.9%   | 0                            | 11                           | -100.0%  | 58,052             | 134,780            | -56.9%   |
| JPY/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JPY/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 778              | 17,789           | -95.6%   | 0                            | 0                            | 0.0%     | 778                | 17,789             | -95.6%   |
| JPY/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 7,562            | 15,817           | -52.2%   | 0                            | 0                            | 0.0%     | 7,562              | 15,817             | -52.2%   |
| JPY/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 8,765            | 9,012            | -2.7%    | 0                            | 0                            | 0.0%     | 8,765              | 9,012              | -2.7%    |
| JPY/USD WKLY FRIDAY OPTIO | 0                          | 0                          | 0.0%     | 8,156            | 15,582           | -47.7%   | 0                            | 0                            | 0.0%     | 8,156              | 15,582             | -47.7%   |
| JPY/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 1,131            | 5,695            | -80.1%   | 0                            | 0                            | 0.0%     | 1,131              | 5,695              | -80.1%   |
| JPY/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 3,752            | 3,325            | 12.8%    | 0                            | 0                            | 0.0%     | 3,752              | 3,325              | 12.8%    |
| JPY/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 2,159            | 3,746            | -42.4%   | 0                            | 0                            | 0.0%     | 2,159              | 3,746              | -42.4%   |
| JPY/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 3,307            | 5,241            | -36.9%   | 0                            | 0                            | 0.0%     | 3,307              | 5,241              | -36.9%   |
| JPY/USD WKLY WED OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 4,224            | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 4,224              | -100.0%  |
| MXN/USD MONTHLY OPTIONS   | 0                          | 0                          | 0.0%     | 1,831            | 545              | 236.0%   | 0                            | 0                            | 0.0%     | 1,831              | 545                | 236.0%   |
| MXN/USD WKLY FRIDAY OPTI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MXN/USD WKLY FRIDAY OPTI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MXN/USD WKLY FRIDAY OPTI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MXN/USD WKLY FRIDAY OPTI  | 0                          | 0                          | 0.0%     | 0                | 585              | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 585                | -100.0%  |
| MXN/USD WKLY FRIDAY OPTI  | 0                          | 0                          | 0.0%     | 0                | 50               | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 50                 | -100.0%  |

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## CME Exchange Volume Comparison Report - Monthly

|                                 | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|---------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Options</b>               |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NZD/USD MONTHLY OPTIONS         | 0                          | 0                          | 0.0%     | 117              | 1,282            | -90.9%   | 0                            | 0                            | 0.0%     | 117                | 1,282              | -90.9%   |
| NZD/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NZD/USD WKLY FRIDAY OPTIO       | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| NZD/USD WKLY FRIDAY OPTIO       | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NZD/USD WKLY FRIDAY OPTIO       | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| RUB/USD MONTHLY OPTIONS         | 0                          | -                          | -        | 58               | -                | -        | 0                            | -                            | -        | 58                 | -                  | -        |
| <b>Foreign Exchange Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| CHILEAN PESO                    | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| <b>Foreign Exchange Options</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| AUD/USD WKLY WED OPTIONS        | 0                          | 0                          | 0.0%     | 1,042            | 512              | 103.5%   | 0                            | 0                            | 0.0%     | 1,042              | 512                | 103.5%   |

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## CME Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG | ELEC<br>JAN 2021 | ELEC<br>JAN 2020 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Ag Products Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| BUTTER CS                  | 0                          | 0                          | 0.0%     | 6,195            | 8,234            | -24.8%   | 0                            | 0                            | 0.0%     | 6,195              | 8,234              | -24.8%   |
| CASH-SETTLED CHEESE        | 0                          | 0                          | 0.0%     | 14,644           | 10,323           | 41.9%    | 0                            | 0                            | 0.0%     | 14,644             | 10,323             | 41.9%    |
| CAT ASIA WEATHER           | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| CATTLE                     | 0                          | 1,632                      | -100.0%  | 1,415,905        | 1,604,513        | -11.8%   | 0                            | 1,632                        | -100.0%  | 1,415,905          | 1,604,513          | -11.8%   |
| CAT WEATHER EUROPEAN       | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CDD SEASONAL STRIP         | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CDD WEATHER                | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CLASS IV MILK              | 0                          | 15                         | -100.0%  | 692              | 2,313            | -70.1%   | 0                            | 15                           | -100.0%  | 692                | 2,313              | -70.1%   |
| DRY WHEY                   | 0                          | 0                          | 0.0%     | 1,943            | 1,325            | 46.6%    | 0                            | 0                            | 0.0%     | 1,943              | 1,325              | 46.6%    |
| FEEDER CATTLE              | 0                          | 20                         | -100.0%  | 233,141          | 306,920          | -24.0%   | 0                            | 20                           | -100.0%  | 233,141            | 306,920            | -24.0%   |
| GOLDMAN SACHS              | 0                          | 0                          | 0.0%     | 14,870           | 18,766           | -20.8%   | 0                            | 0                            | 0.0%     | 14,870             | 18,766             | -20.8%   |
| GSCI EXCESS RETURN FUT     | 0                          | 0                          | 0.0%     | 75               | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 75                 | 0                  | 0.0%     |
| HDD EURO SEASONAL STRIP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HDD SEASONAL STRIP         | -                          | 0                          | 0.0%     | -                | 0                | 0.0%     | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| HDD WEATHER                | 0                          | 0                          | 0.0%     | 0                | 25               | -100.0%  | 0                            | 0                            | 0.0%     | 0                  | 25                 | -100.0%  |
| HDD WEATHER EUROPEAN       | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HOGS                       | 0                          | 707                        | -100.0%  | 915,695          | 1,347,862        | -32.1%   | 0                            | 707                          | -100.0%  | 915,695            | 1,347,862          | -32.1%   |
| HOUSING INDEX              | 0                          | 0                          | 0.0%     | 15               | 16               | -6.3%    | 0                            | 0                            | 0.0%     | 15                 | 16                 | -6.3%    |
| LUMBER                     | 0                          | 0                          | 0.0%     | 8,426            | 11,405           | -26.1%   | 0                            | 0                            | 0.0%     | 8,426              | 11,405             | -26.1%   |
| MALAYSIAN PALM SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MILK                       | 0                          | 3                          | -100.0%  | 30,625           | 29,043           | 5.4%     | 0                            | 3                            | -100.0%  | 30,625             | 29,043             | 5.4%     |
| MLK MID OPTIONS            | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NFD MILK                   | 0                          | 0                          | 0.0%     | 6,176            | 8,083            | -23.6%   | 0                            | 0                            | 0.0%     | 6,176              | 8,083              | -23.6%   |
| PACIFIC RIM DAT SS WTHR    | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| PORK CUTOUT                | 0                          | -                          | -        | 3,403            | -                | -        | 0                            | -                            | -        | 3,403              | -                  | -        |
| S&P GSCI ENHANCED ER SWA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| USD CRUDE PALM OIL         | 0                          | 0                          | 0.0%     | 0                | 0                | 0.0%     | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG      | ELEC<br>JAN 2021   | ELEC<br>JAN 2020   | %<br>CHG     | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG      | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG     |
|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|--------------|------------------------------|------------------------------|---------------|--------------------|--------------------|--------------|
| <b>Ag Products Options</b> |                            |                            |               |                    |                    |              |                              |                              |               |                    |                    |              |
| BUTTER CS                  | 0                          | 130                        | -100.0%       | 2,535              | 3,372              | -24.8%       | 0                            | 130                          | -100.0%       | 2,535              | 3,372              | -24.8%       |
| CASH-SETTLED CHEESE        | 0                          | 2,851                      | -100.0%       | 11,779             | 6,593              | 78.7%        | 0                            | 2,851                        | -100.0%       | 11,779             | 6,593              | 78.7%        |
| CATTLE                     | 0                          | 21,596                     | -100.0%       | 217,840            | 198,240            | 9.9%         | 0                            | 21,596                       | -100.0%       | 217,840            | 198,240            | 9.9%         |
| CAT WEATHER EUROPEAN       | -                          | 0                          | 0.0%          | -                  | 0                  | 0.0%         | -                            | 0                            | 0.0%          | -                  | 0                  | 0.0%         |
| CDD SEASONAL STRIP         | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| CLASS IV MILK              | 0                          | 276                        | -100.0%       | 3,253              | 4,130              | -21.2%       | 0                            | 276                          | -100.0%       | 3,253              | 4,130              | -21.2%       |
| DRY WHEY                   | 0                          | 27                         | -100.0%       | 36                 | 73                 | -50.7%       | 0                            | 27                           | -100.0%       | 36                 | 73                 | -50.7%       |
| FEEDER CATTLE              | 0                          | 1,453                      | -100.0%       | 21,508             | 27,542             | -21.9%       | 0                            | 1,453                        | -100.0%       | 21,508             | 27,542             | -21.9%       |
| HDD EURO SEASONAL STRIP    | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| HDD SEASONAL STRIP         | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| HDD WEATHER                | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| HDD WEATHER EUROPEAN       | 0                          | -                          | -             | 0                  | -                  | -            | 0                            | -                            | -             | 0                  | -                  | -            |
| HOGS                       | 0                          | 15,200                     | -100.0%       | 149,912            | 372,441            | -59.7%       | 0                            | 15,200                       | -100.0%       | 149,912            | 372,441            | -59.7%       |
| HOUSING INDEX              | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| LUMBER                     | 0                          | 0                          | 0.0%          | 521                | 1,007              | -48.3%       | 0                            | 0                            | 0.0%          | 521                | 1,007              | -48.3%       |
| LV CATL CSO                | 0                          | 0                          | 0.0%          | 0                  | 0                  | 0.0%         | 0                            | 0                            | 0.0%          | 0                  | 0                  | 0.0%         |
| MILK                       | 0                          | 1,959                      | -100.0%       | 32,963             | 36,317             | -9.2%        | 0                            | 1,959                        | -100.0%       | 32,963             | 36,317             | -9.2%        |
| MLK MID OPTIONS            | 0                          | 5                          | -100.0%       | 0                  | 0                  | 0.0%         | 0                            | 5                            | -100.0%       | 0                  | 0                  | 0.0%         |
| NFD MILK                   | 0                          | 93                         | -100.0%       | 4,345              | 7,053              | -38.4%       | 0                            | 93                           | -100.0%       | 4,345              | 7,053              | -38.4%       |
| PORK CUTOUT                | 0                          | -                          | -             | 153                | -                  | -            | 0                            | -                            | -             | 153                | -                  | -            |
| <b>TOTAL FUTURES GROUP</b> |                            |                            |               |                    |                    |              |                              |                              |               |                    |                    |              |
| Interest Rate Futures      | 248,853                    | 496,863                    | -49.9%        | 42,798,576         | 43,895,777         | -2.5%        | 248,853                      | 496,863                      | -49.9%        | 42,798,576         | 43,895,777         | -2.5%        |
| Equity Index Futures       | 0                          | 3,803                      | -100.0%       | 85,433,363         | 66,989,582         | 27.5%        | 0                            | 3,803                        | -100.0%       | 85,433,363         | 66,989,582         | 27.5%        |
| FX Futures                 | 0                          | 0                          | 0.0%          | 14,140,945         | 15,090,631         | -6.3%        | 0                            | 0                            | 0.0%          | 14,140,945         | 15,090,631         | -6.3%        |
| Foreign Exchange Futures   | -                          | 0                          | 0.0%          | -                  | 0                  | 0.0%         | -                            | 0                            | 0.0%          | -                  | 0                  | 0.0%         |
| Ag Products Futures        | 0                          | 2,377                      | -100.0%       | 2,651,805          | 3,348,828          | -20.8%       | 0                            | 2,377                        | -100.0%       | 2,651,805          | 3,348,828          | -20.8%       |
| <b>TOTAL FUTURES</b>       | <b>248,853</b>             | <b>503,043</b>             | <b>-50.5%</b> | <b>145,024,689</b> | <b>129,324,818</b> | <b>12.1%</b> | <b>248,853</b>               | <b>503,043</b>               | <b>-50.5%</b> | <b>145,024,689</b> | <b>129,324,818</b> | <b>12.1%</b> |

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## CME Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>JAN 2021 | Open<br>Outcry<br>JAN 2020 | %<br>CHG      | ELEC<br>JAN 2021   | ELEC<br>JAN 2020   | %<br>CHG      | Open<br>Outcry<br>Y.T.D 2021 | Open<br>Outcry<br>Y.T.D 2020 | %<br>CHG      | ELEC<br>Y.T.D 2021 | ELEC<br>Y.T.D 2020 | %<br>CHG      |
|----------------------------|----------------------------|----------------------------|---------------|--------------------|--------------------|---------------|------------------------------|------------------------------|---------------|--------------------|--------------------|---------------|
| <b>TOTAL OPTIONS GROUP</b> |                            |                            |               |                    |                    |               |                              |                              |               |                    |                    |               |
| Equity Index Options       | 0                          | 670,247                    | -100.0%       | 12,521,650         | 14,825,794         | -15.5%        | 0                            | 670,247                      | -100.0%       | 12,521,650         | 14,825,794         | -15.5%        |
| Interest Rate Options      | 9,981,859                  | 14,975,657                 | -33.3%        | 5,509,082          | 12,309,611         | -55.2%        | 9,981,859                    | 14,975,657                   | -33.3%        | 5,509,082          | 12,309,611         | -55.2%        |
| FX Options                 | 0                          | 642                        | -100.0%       | 583,074            | 961,909            | -39.4%        | 0                            | 642                          | -100.0%       | 583,074            | 961,909            | -39.4%        |
| Ag Products Options        | 0                          | 43,590                     | -100.0%       | 444,845            | 656,768            | -32.3%        | 0                            | 43,590                       | -100.0%       | 444,845            | 656,768            | -32.3%        |
| Foreign Exchange Options   | 0                          | 0                          | 0.0%          | 1,042              | 512                | 103.5%        | 0                            | 0                            | 0.0%          | 1,042              | 512                | 103.5%        |
| <b>TOTAL OPTIONS</b>       | <b>9,981,859</b>           | <b>15,690,136</b>          | <b>-36.4%</b> | <b>19,059,693</b>  | <b>28,754,594</b>  | <b>-33.7%</b> | <b>9,981,859</b>             | <b>15,690,136</b>            | <b>-36.4%</b> | <b>19,059,693</b>  | <b>28,754,594</b>  | <b>-33.7%</b> |
| <b>TOTAL COMBINED</b>      |                            |                            |               |                    |                    |               |                              |                              |               |                    |                    |               |
| Interest Rate              | 10,230,712                 | 15,472,520                 | -33.9%        | 48,307,658         | 56,205,388         | -14.1%        | 10,230,712                   | 15,472,520                   | -33.9%        | 48,307,658         | 56,205,388         | -14.1%        |
| Equity Index               | 0                          | 674,050                    | -100.0%       | 97,955,013         | 81,815,376         | 19.7%         | 0                            | 674,050                      | -100.0%       | 97,955,013         | 81,815,376         | 19.7%         |
| FX                         | 0                          | 642                        | -100.0%       | 14,724,019         | 16,052,540         | -8.3%         | 0                            | 642                          | -100.0%       | 14,724,019         | 16,052,540         | -8.3%         |
| Foreign Exchange           | 0                          | 0                          | 0.0%          | 1,042              | 512                | 103.5%        | 0                            | 0                            | 0.0%          | 1,042              | 512                | 103.5%        |
| Ag Products                | 0                          | 45,967                     | -100.0%       | 3,096,650          | 4,005,596          | -22.7%        | 0                            | 45,967                       | -100.0%       | 3,096,650          | 4,005,596          | -22.7%        |
| <b>GRAND TOTAL</b>         | <b>10,230,712</b>          | <b>16,193,179</b>          | <b>-36.8%</b> | <b>164,084,382</b> | <b>158,079,412</b> | <b>3.8%</b>   | <b>10,230,712</b>            | <b>16,193,179</b>            | <b>-36.8%</b> | <b>164,084,382</b> | <b>158,079,412</b> | <b>3.8%</b>   |

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