



## CME Group Exchange Volume Comparison Report - Monthly

|                              | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Interest Rate Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| 30-YR BOND                   | 95,453                     | 45,962                     | 107.7%   | 6,484,304        | 5,033,582        | 0.29     | 1,864,533                    | 1,319,109                    | 41.3%    | 89,550,384         | 95,225,510         | -6.0%    |
| 10-YR NOTE                   | 236,194                    | 184,539                    | 28.0%    | 21,869,619       | 17,031,298       | 0.28     | 4,791,603                    | 4,663,466                    | 2.7%     | 325,437,805        | 311,880,159        | 4.3%     |
| 5-YR NOTE                    | 57,249                     | 84,596                     | -32.3%   | 12,441,194       | 9,684,855        | 0.28     | 3,795,452                    | 3,422,646                    | 10.9%    | 182,249,985        | 160,386,453        | 13.6%    |
| 2-YR NOTE                    | 13,455                     | 19,476                     | -30.9%   | 4,575,741        | 2,823,881        | 0.62     | 1,623,845                    | 1,893,823                    | -14.3%   | 64,514,742         | 51,107,097         | 26.2%    |
| FED FUND                     | 180                        | 660                        | -72.7%   | 1,118,580        | 385,121          | 1.9      | 554                          | 2,196                        | -74.8%   | 7,873,329          | 4,635,026          | 69.9%    |
| 10-YR SWAP                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 724                          | -100.0%  | 0                  | 108,176            | -100.0%  |
| 5-YR SWAP                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 97                           | -100.0%  | 0                  | 75,408             | -100.0%  |
| EUROYEN                      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 1                  | 1                  | 0.0%     |
| EURODOLLARS                  | 710,484                    | 503,230                    | 41.2%    | 61,528,448       | 40,733,857       | 0.51     | 7,489,052                    | 4,979,946                    | 50.4%    | 648,421,196        | 507,063,822        | 27.9%    |
| 5-YR SWAP RATE               | 200                        | 0                          | 0.0%     | 121,934          | 83,759           | 0.46     | 7,675                        | 414                          | 1,753.9% | 730,455            | 462,288            | 58.0%    |
| 2-YR SWAP RATE               | 0                          | 0                          | 0.0%     | 18,241           | 3,036            | 5.01     | 58                           | 37                           | 56.8%    | 110,733            | 73,518             | 50.6%    |
| 10-YR SWAP RATE              | 584                        | 377                        | 54.9%    | 107,167          | 93,542           | 0.15     | 21,891                       | 14,921                       | 46.7%    | 566,573            | 531,578            | 6.6%     |
| EMINI ED                     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| 7-YR SWAP                    | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| 30-YR SWAP                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 207                | -100.0%  |
| 1-MONTH EURODOLLAR           | 0                          | 0                          | 0.0%     | 1,317            | 78               | 15.88    | 0                            | 0                            | 0.0%     | 19,870             | 11,440             | 73.7%    |
| ULTRA T-BOND                 | 8,237                      | 9,696                      | -15.0%   | 1,680,869        | 1,252,393        | 0.34     | 887,383                      | 768,280                      | 15.5%    | 23,393,575         | 19,261,832         | 21.5%    |
| OTR 10-YR NOTE               | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| OTR 5-YR NOTE                | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| OTR 2-YR NOTE                | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SOVEREIGN YIELD FUTURE       | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EURO BONDS                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 40                 | -100.0%  |
| 30-YR SWAP RATE              | 142                        | 0                          | 0.0%     | 5,746            | 9,131            | -0.37    | 506                          | 0                            | 0.0%     | 48,817             | 74,925             | -34.8%   |
| EURO 5YR BUNDLE              | 0                          | -                          | -        | 24               | -                | -        | 0                            | -                            | -        | 140                | -                  | -        |
| 2YR BUNDLE                   | 0                          | -                          | -        | 1,040            | -                | -        | 0                            | -                            | -        | 2,153              | -                  | -        |
| 3YR BUNDLE                   | 0                          | -                          | -        | 246              | -                | -        | 0                            | -                            | -        | 971                | -                  | -        |

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|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Interest Rate Options</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| 30-YR BOND                   | 356,835                    | 243,738                    | 46.4%    | 1,091,975        | 823,469          | 0.33     | 4,300,880                    | 6,631,434                    | -35.1%   | 12,082,405         | 12,391,304         | -2.5%    |
| 10-YR NOTE                   | 2,800,984                  | 2,958,895                  | -5.3%    | 5,770,157        | 4,824,502        | 0.2      | 36,422,299                   | 38,741,369                   | -6.0%    | 61,950,323         | 49,943,841         | 24.0%    |
| 5-YR NOTE                    | 874,413                    | 951,339                    | -8.1%    | 1,362,552        | 1,046,900        | 0.3      | 11,251,634                   | 12,460,353                   | -9.7%    | 15,429,376         | 10,580,183         | 45.8%    |
| 2-YR NOTE                    | 169,966                    | 28,870                     | 488.7%   | 210,167          | 7,878            | 25.68    | 1,193,618                    | 1,397,219                    | -14.6%   | 1,294,380          | 521,456            | 148.2%   |
| FED FUND                     | 1,200                      | 1,450                      | -17.2%   | 1                | 2                | -0.5     | 23,898                       | 53,255                       | -55.1%   | 1,635              | 865                | 89.0%    |
| FLEX 30-YR BOND              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 3,200                        | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FLEX 10-YR NOTE              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 400                          | -100.0%  | 0                  | 0                  | 0.0%     |
| EURODOLLARS                  | 6,943,451                  | 1,364,390                  | 408.9%   | 812,688          | 231,942          | 2.5      | 38,692,811                   | 23,724,203                   | 63.1%    | 6,127,107          | 3,170,053          | 93.3%    |
| EURO MIDCURVE                | 8,233,728                  | 9,494,582                  | -13.3%   | 1,431,341        | 1,029,982        | 0.39     | 128,143,576                  | 99,662,329                   | 28.6%    | 21,394,330         | 13,789,360         | 55.2%    |
| TOMMI MIDCURVE               | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| ULTRA T-BOND                 | 25,141                     | 810                        | 3,003.8% | 8,577            | 1,888            | 3.54     | 106,068                      | 34,908                       | 203.9%   | 50,695             | 53,198             | -4.7%    |

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|-----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Equity Index Futures</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| \$25 DJ                     | 0                          | 0                          | 0.0%     | 2                | 1                | 1        | 0                            | 0                            | 0.0%     | 97                 | 100                | -3.0%    |
| DJIA                        | 9,596                      | 17,662                     | -45.7%   | 1,264            | 1,088            | 0.16     | 50,864                       | 74,672                       | -31.9%   | 12,786             | 15,291             | -16.4%   |
| MINI \$5 DOW                | 0                          | 0                          | 0.0%     | 3,574,477        | 2,496,712        | 0.43     | 0                            | 0                            | 0.0%     | 39,052,181         | 35,448,798         | 10.2%    |
| E-MINI S&P500               | 0                          | 15                         | -100.0%  | 40,602,262       | 33,866,496       | 0.2      | 0                            | 20                           | -100.0%  | 424,272,103        | 451,171,168        | -6.0%    |
| S&P 500                     | 400,660                    | 465,728                    | -14.0%   | 16,075           | 14,290           | 0.12     | 2,330,516                    | 2,939,344                    | -20.7%   | 240,857            | 310,686            | -22.5%   |
| S&P 600 SMALLCAP EMINI      | 0                          | 0                          | 0.0%     | 0                | 22               | -1       | 0                            | 0                            | 0.0%     | 57                 | 353                | -83.9%   |
| E-MINI MIDCAP               | 0                          | 0                          | 0.0%     | 591,938          | 600,460          | -0.01    | 0                            | 0                            | 0.0%     | 5,275,403          | 5,589,102          | -5.6%    |
| S&P 400 MIDCAP              | 36                         | 461                        | -92.2%   | 0                | 0                | 0        | 1,181                        | 2,767                        | -57.3%   | 0                  | 0                  | 0.0%     |
| S&P 500 GROWTH              | 0                          | 0                          | 0.0%     | 170              | 208              | -0.18    | 0                            | 0                            | 0.0%     | 803                | 634                | 26.7%    |
| S&P 500/VALUE               | 0                          | 0                          | 0.0%     | 407              | 250              | 0.63     | 0                            | 0                            | 0.0%     | 1,609              | 668                | 140.9%   |
| E-MINI NASDAQ 100           | 0                          | 0                          | 0.0%     | 7,224,026        | 5,030,296        | 0.44     | 0                            | 0                            | 0.0%     | 75,408,697         | 59,361,451         | 27.0%    |
| NASDAQ                      | 17,313                     | 12,473                     | 38.8%    | 869              | 704              | 0.23     | 98,108                       | 94,696                       | 3.6%     | 11,278             | 12,480             | -9.6%    |
| NIKKEI 225 (\$) STOCK       | 0                          | 1                          | -100.0%  | 569,312          | 397,080          | 0.43     | 50                           | 55                           | -9.1%    | 4,809,524          | 4,675,095          | 2.9%     |
| NIKKEI 225 (YEN) STOCK      | 0                          | 0                          | 0.0%     | 1,291,139        | 964,294          | 0.34     | 0                            | 0                            | 0.0%     | 12,128,394         | 11,740,752         | 3.3%     |
| DJ US REAL ESTATE           | 0                          | 0                          | 0.0%     | 12,526           | 11,105           | 0.13     | 0                            | 0                            | 0.0%     | 84,988             | 41,641             | 104.1%   |
| NASDAQ BIOTECH              | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| E-MINI NIFTY                | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| E-MICRO NIFTY               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 47                 | -100.0%  |
| S&P CONSUMER STAPLES SE     | 0                          | 0                          | 0.0%     | 8,645            | 5,320            | 0.63     | 0                            | 0                            | 0.0%     | 39,883             | 31,069             | 28.4%    |
| S&P HEALTH CARE SECTOR      | 0                          | 0                          | 0.0%     | 9,695            | 3,100            | 2.13     | 0                            | 0                            | 0.0%     | 43,051             | 36,959             | 16.5%    |
| S&P TECHNOLOGY SECTOR       | 0                          | 0                          | 0.0%     | 3,865            | 5,218            | -0.26    | 0                            | 0                            | 0.0%     | 28,626             | 31,120             | -8.0%    |
| S&P INDUSTRIAL SECTOR       | 0                          | 0                          | 0.0%     | 4,556            | 2,782            | 0.64     | 0                            | 0                            | 0.0%     | 23,352             | 20,704             | 12.8%    |
| S&P CONSUMER DSCRTNRY S     | 0                          | 0                          | 0.0%     | 3,771            | 3,430            | 0.1      | 0                            | 0                            | 0.0%     | 26,723             | 16,793             | 59.1%    |
| S&P UTILITIES SECTOR        | 0                          | 0                          | 0.0%     | 14,872           | 8,439            | 0.76     | 0                            | 0                            | 0.0%     | 76,087             | 44,467             | 71.1%    |
| S&P FINANCIAL SECTOR        | 0                          | 0                          | 0.0%     | 3,659            | 5,095            | -0.28    | 0                            | 0                            | 0.0%     | 25,326             | 43,899             | -42.3%   |
| S&P ENERGY SECTOR           | 0                          | 0                          | 0.0%     | 5,578            | 6,298            | -0.11    | 0                            | 0                            | 0.0%     | 87,341             | 80,327             | 8.7%     |
| S&P MATERIALS SECTOR        | 0                          | 0                          | 0.0%     | 5,705            | 1,873            | 2.05     | 0                            | 0                            | 0.0%     | 27,237             | 21,377             | 27.4%    |
| BESPOKE CUSTOM INDEXES      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| IBOVESPA INDEX              | 0                          | 0                          | 0.0%     | 394              | 991              | -0.6     | 0                            | 0                            | 0.0%     | 4,431              | 28,968             | -84.7%   |

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| <b>Equity Index Options</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| DJIA                        | 22                         | 36                         | -38.9%   | 0                | 0                | 0        | 524                          | 4,472                        | -88.3%   | 0                  | 0                  | 0.0%     |
| MINI \$5 DOW                | 0                          | 0                          | 0.0%     | 18,625           | 13,865           | 0.34     | 0                            | 0                            | 0.0%     | 150,742            | 182,259            | -17.3%   |
| E-MINI S&P500               | 0                          | 1,025                      | -100.0%  | 7,149,684        | 4,475,444        | 0.6      | 304,835                      | 291,295                      | 4.6%     | 73,776,007         | 56,350,175         | 30.9%    |
| S&P 500                     | 795,788                    | 385,919                    | 106.2%   | 11               | 0                | 0        | 8,647,234                    | 6,985,248                    | 23.8%    | 137                | 413                | -66.8%   |
| E-MINI MIDCAP               | 0                          | 0                          | 0.0%     | 14               | 241              | -0.94    | 0                            | 0                            | 0.0%     | 926                | 1,436              | -35.5%   |
| E-MINI NASDAQ 100           | 0                          | 0                          | 0.0%     | 200,309          | 131,530          | 0.52     | 0                            | 0                            | 0.0%     | 3,154,154          | 889,508            | 254.6%   |
| NASDAQ                      | 8                          | 2                          | 300.0%   | 0                | 0                | 0        | 249                          | 379                          | -34.3%   | 0                  | 0                  | 0.0%     |
| EOM S&P 500                 | 145,797                    | 72,811                     | 100.2%   | 0                | 0                | 0        | 1,023,767                    | 839,407                      | 22.0%    | 0                  | 0                  | 0.0%     |
| EOM EMINI S&P               | 0                          | 20                         | -100.0%  | 1,043,524        | 809,853          | 0.29     | 0                            | 20                           | -100.0%  | 11,522,506         | 7,594,201          | 51.7%    |
| EOW1 S&P 500                | 41,098                     | 49,711                     | -17.3%   | 0                | 0                | 0        | 530,588                      | 339,834                      | 56.1%    | 0                  | 0                  | 0.0%     |
| EOW1 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 1,138,561        | 687,977          | 0.65     | 0                            | 0                            | 0.0%     | 10,419,487         | 5,930,560          | 75.7%    |
| EOW2 S&P 500                | 123,067                    | 72,542                     | 69.6%    | 0                | 0                | 0        | 933,010                      | 540,683                      | 72.6%    | 0                  | 0                  | 0.0%     |
| EOW2 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 1,340,321        | 748,453          | 0.79     | 0                            | 0                            | 0.0%     | 10,554,604         | 5,800,851          | 81.9%    |
| EOW4 EMINI S&P 500          | 0                          | 0                          | 0.0%     | 1,019,455        | 583,234          | 0.75     | 0                            | 0                            | 0.0%     | 9,137,555          | 5,837,467          | 56.5%    |

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| <b>Metals Futures</b>          |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |           |
| COMEX GOLD                     | 27,171                     | 20,750                     | 30.9%    | 3,108,285        | 2,603,404        | 0.19     | 457,891                      | 627,229                      | -27.0%   | 38,220,576         | 43,987,060         | -13.1%    |
| E-MINI SILVER                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 11                 | 9                  | 22.2%     |
| COMEX MINY GOLD                | 0                          | 0                          | 0.0%     | 7,154            | 3,662            | 0.95     | 0                            | 0                            | 0.0%     | 51,504             | 97,252             | -47.0%    |
| COMEX MINY COPPER              | 0                          | 0                          | 0.0%     | 527              | 564              | -0.07    | 0                            | 0                            | 0.0%     | 11,304             | 18,025             | -37.3%    |
| COMEX MINY SILVER              | 0                          | 0                          | 0.0%     | 698              | 867              | -0.19    | 0                            | 0                            | 0.0%     | 12,160             | 19,153             | -36.5%    |
| COMEX SILVER                   | 11,019                     | 19,602                     | -43.8%   | 917,579          | 813,159          | 0.13     | 130,141                      | 179,106                      | -27.3%   | 13,164,099         | 13,915,317         | -5.4%     |
| COMEX COPPER                   | 21,289                     | 25,596                     | -16.8%   | 901,260          | 894,145          | 0.01     | 395,805                      | 425,673                      | -7.0%    | 14,118,713         | 16,625,742         | -15.1%    |
| NYMEX HOT ROLLED STEEL         | 0                          | 0                          | 0.0%     | 683              | 40               | 16.08    | 0                            | 0                            | 0.0%     | 4,406              | 3,886              | 13.4%     |
| NYMEX PLATINUM                 | 31                         | 126                        | -75.4%   | 346,542          | 283,827          | 0.22     | 3,855                        | 3,031                        | 27.2%    | 3,016,117          | 2,990,252          | 0.9%      |
| URANIUM                        | 0                          | 0                          | 0.0%     | 368              | 5                | 72.6     | 0                            | 0                            | 0.0%     | 1,291              | 321                | 302.2%    |
| PALLADIUM                      | 0                          | 200                        | -100.0%  | 68,711           | 62,062           | 0.11     | 1,437                        | 1,234                        | 16.5%    | 1,433,486          | 1,315,871          | 8.9%      |
| E-MICRO GOLD                   | 0                          | 0                          | 0.0%     | 30,171           | 34,581           | -0.13    | 0                            | 0                            | 0.0%     | 276,815            | 372,280            | -25.6%    |
| NYMEX IRON ORE FUTURES         | 0                          | 0                          | 0.0%     | 0                | 92               | -1       | 0                            | 0                            | 0.0%     | 810                | 1,950              | -58.5%    |
| IRON ORE CHINA                 | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -         |
| IRON ORE                       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| AUSTRIALIAN COKE COAL          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| COPPER                         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| ALUMINUM                       | 0                          | -                          | -        | 362              | -                | -        | 0                            | -                            | -        | 5,883              | -                  | -         |
| SILVER                         | 0                          | 0                          | 0.0%     | 12,382           | 10,208           | 0.21     | 0                            | 0                            | 0.0%     | 143,368            | 56,864             | 152.1%    |
| Aluminium MW Trans Prem Platts | 0                          | 0                          | 0.0%     | 947              | 1                | 946      | 0                            | 0                            | 0.0%     | 5,373              | 11                 | 48,745.5% |
| FERROUS PRODUCTS               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 34                 | 234                | -85.5%    |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Metals Options</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| COMEX GOLD                | 124,238                    | 217,662                    | -42.9%   | 387,995          | 359,403          | 0.08     | 1,955,411                    | 3,024,324                    | -35.3%   | 4,891,540          | 5,614,813          | -12.9%   |
| COMEX SILVER              | 16,322                     | 36,006                     | -54.7%   | 97,007           | 78,150           | 0.24     | 328,889                      | 499,594                      | -34.2%   | 1,269,927          | 1,351,376          | -6.0%    |
| COMEX COPPER              | 154                        | 50                         | 208.0%   | 561              | 1,424            | -0.61    | 3,943                        | 1,721                        | 129.1%   | 17,026             | 34,251             | -50.3%   |
| NYMEX HOT ROLLED STEEL    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX PLATINUM            | 267                        | 100                        | 167.0%   | 355              | 171              | 1.08     | 14,966                       | 1,277                        | 1,072.0% | 7,049              | 1,002              | 603.5%   |
| PALLADIUM                 | 0                          | 36                         | -100.0%  | 123              | 114              | 0.08     | 1,968                        | 2,887                        | -31.8%   | 5,308              | 532                | 897.7%   |
| SHORT TERM GOLD           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 100                          | 243                          | -58.8%   | 0                  | 0                  | 0.0%     |
| SHORT TERM                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 40                           | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| IRON ORE CHINA            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SILVER                    | 0                          | -                          | -        | 1,610            | -                | -        | 167                          | -                            | -        | 5,712              | -                  | -        |
| GOLD                      | 205                        | -                          | -        | 1,526            | -                | -        | 1,200                        | -                            | -        | 21,576             | -                  | -        |
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| ETHANOL FWD               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO BASIS SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HOUSTON SHIP CHANNEL BAS  | 0                          | 0                          | 0.0%     | 118              | 0                | 0        | 0                            | 0                            | 0.0%     | 1,030              | 0                  | 0.0%     |
| NORTHWEST ROCKIES BASIS   | 0                          | 0                          | 0.0%     | 180              | 0                | 0        | 0                            | 0                            | 0.0%     | 640                | 0                  | 0.0%     |
| HEATING OIL VS ICE GASOIL | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FUEL OIL CRACK VS ICE     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FUEL OIL NWE CRACK VS ICE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NGPL MIDCONTINENT INDEX   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NGPL TEXOK INDEX          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CENTERPOINT BASIS SWAP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS               | 973                        | 11                         | 8,745.5% | 0                | 0                | 0        | 3,454                        | 626                          | 451.8%   | 16                 | 347                | -95.4%   |
| HTG OIL                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LTD NAT GAS               | 10                         | 15                         | -33.3%   | 38,757           | 26,824           | 0.44     | 602                          | 663                          | -9.2%    | 306,418            | 226,386            | 35.4%    |
| GASOIL MINI CALENDAR SWA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 ROTTERDAM BAR  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| N ROCKIES PIPE SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SAN JUAN PIPE SWAP        | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| SOCAL PIPE SWAP           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| PANHANDLE PIPE SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT OIL LAST DAY        | 0                          | 0                          | 0.0%     | 1,940,148        | 868,806          | 1.23     | 570                          | 372                          | 53.2%    | 18,263,041         | 8,993,418          | 103.1%   |
| BRENT CALENDAR SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CARGOES CIF NE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 RDAM BRGS VS I | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CIF NWE VS ISE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY H OIL PLATTS VS NYMEX  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MARS (ARGUS) VS WTI SWAP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MARS (ARGUS) VS WTI TRD M | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTS (ARGUS) VS WTI TRD MT | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE 180CST BALMO    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE 380CST BALMO    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE JET KERO BALMO  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE NAPHTHA BALMO   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DUBAI CRUDE OIL BALMO     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO 3.5% FUEL OIL RDAM B | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO 1% FUEL OIL NEW BALM | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR 1% FUEL OIL BAL | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GULF COAST 3% FUEL OIL BA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PREMIUM UNLD 10P FOB MED  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 10P CRG CIF NW VS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CRG CIF NW VS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT CFD SWAP            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET FUEL CRG CIF NEW VS I | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| 3.5% FUEL OIL CID MED SWA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ARGUS PROPAN FAR EST IND  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD 10PPM CIF VS ICE GAS | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEW YORK 0.3% FUEL OIL HI | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CIF VS ICE GAS | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET FUEL BRG FOB RDM VS I | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM NILL DA OFF-PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM AECO DA OFF-PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DAYTON DA PEAK        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM BGE DA PEAK           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| PJM BGE DA OFF-PEAK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DPL DA PEAK           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DPL DA OFF-PEAK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM EASTERNH DA PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM EASTERNH DA OFF-PEAK  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PJM JCPL DA PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM JCPL DA OFF-PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PEPCO DA PEAK         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PEPCO DA OFF-PEAK     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PPL DA PEAK           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PPL DA OFF-PEAK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PSEG DA PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PSEG DA OFF-PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM WESTHDA PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM WESTH DA OFF-PEAK     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM WESTH RT PEAK         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM WESTH RT OFF-PEAK     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ALGONQUIN CITYGATES BASI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TCO NG INDEX SWAP         | 0                          | -                          | -        | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| TENNESSEE ZONE 0 NG INDE  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| TENNESSEE 500 LEG NG INDE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MICHCON NG INDEX SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TENNESSEE 500 LEG NG SWIN | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CIF MED SWAP   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| GASOIL 0.1CIF MED VS ICE  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD 10PPM CIF MED SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD 10PPM CIF MED VS ICE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT BALMO SWAP          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ICE GASOIL BALMO SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET FUEL CARGOES CIF NEW  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 CIF NW BALMO S | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| ULSD 10PPM CIF NW BALMO S | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD 10PPM CIF MED BALMO  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| POLYETHYLENE FUTURES      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| PERMIAN BASIS SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| Tetco ELA Basis           | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PANHANDLE INDEX SWAP FUT  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PANHANDLE SWING FUTURE    | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| GULF COAST JET FUEL CLNDR | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE 1% FUEL OIL NWE CA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE FUEL 180CST CAL | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO G                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GULF COAST NO.6 FUEL OIL  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEW YORK HUB ZONE G PEAK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NORTHERN ILLINOIS OFF-PEA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AEP-DAYTON HUB DAILY      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE FUEL OIL SPREA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE JET KERO GASOI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRUNKLINE LA BASIS SWAP   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| TETCO M-3 INDEX           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DOMINION TRAN INC - APP I | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CINERGY HUB PEAK MONTH    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL PHY           | 836                        | 495                        | 68.9%    | 2,886,817        | 2,140,976        | 0.35     | 9,369                        | 12,669                       | -26.0%   | 30,910,273         | 29,655,312         | 4.2%     |
| GASOIL 10PPM CARGOES CIF  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 10PPM VS ICE SWAP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY1% VS GC SPREAD SWAP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE GASOIL BALMO    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPEAN NAPHTHA BALMO    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PREMIUM UNLD 10PPM CARG   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL 0.1 BRGS FOB VS IC | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DIESEL 10P BRG FOB RDM VS | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ARGUS PROPAN(SAUDI ARAM   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM AECO DA PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| N ILLINOIS HUB MTHLY      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINY HTG OIL              | 0                          | 0                          | 0.0%     | 14               | 15               | -0.07    | 0                            | 0                            | 0.0%     | 119                | 167                | -28.7%   |
| WAHA BASIS                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINY NATURAL GAS          | 0                          | 21                         | -100.0%  | 33,966           | 30,528           | 0.11     | 132                          | 117                          | 12.8%    | 397,450            | 318,577            | 24.8%    |
| SINGAPORE GASOIL SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| UP DOWN GC ULSD VS NMX H  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 265                | 10                 | 2,550.0% |
| PJM NILL DA PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DAYTON DA OFF-PEAK    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LA JET (OPIS) SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD UP-DOWN BALMO SWP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET FUEL UP-DOWN BALMO C  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NGPL STX BASIS            | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EIA FLAT TAX ONHWAY DIESE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ARGUS LLS VS. WTI (ARG) T | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JAPAN NAPHTHA BALMO SWA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY 3.0% FUEL OIL (PLATTS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY 2.2% FUEL OIL (PLATTS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY 0.7% FUEL OIL (PLATTS  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| ARGUS BIODIESEL RME FOB R | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT CFD(PLATTS) VS FRNT | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB GASOLINE BALMO CLNC  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOLINE UP-DOWN BALMO S  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 4 NAT GAS IN | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TEXAS EAST WLA NAT GAS IN | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| COLUMBIA GULF MAIN NAT G  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SOUTHERN NAT LA NAT GAS   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| TEXAS GAS ZONE 1 NAT GAS  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| NGPL STX NAT GAS INDEX SW | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| COLUMB GULF MAINLINE NG B | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TENNESSEE 800 LEG NG BASI | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TEXAS EAST W LOUISIANA NG | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 1 NG BASIS   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ONEOK OKLAHOMA NG BASIS   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SOUTH STAR TEX OKLHM KNS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TEXAS GAS ZONE1 NG BASIS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE C 5MW D AH O P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM NI HUB 5MW REAL TIME  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE G 5MW D AH O P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE J 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NYISO ZONE J 5MW D AH O P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM COMED 5MW D AH PK     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM COMED 5MW D AH O PK   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL INTR HUB 5MW D AH  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CIN HUB 5MW REAL TIME PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CIN HUB 5MW D AH PK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE A 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE A 5MW D AH O P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL W CNT MASS 5MW D   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL CONECTIC 5MW D AH  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL CNCTCT 5MW D AH O  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL SE MASS 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL SE MASS 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL NE MASS 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL NE MASS 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL MAINE 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE C 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL W CNTR M 5MW D AH  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO ZONE G 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM AD HUB 5MW REAL TIME  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL MAINE 5MW D AH O E | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CIN HUB 5MW D AH O PK     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CIN HUB 5MW REAL TIME O P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB PHY                  | 1,055                      | 542                        | 94.6%    | 2,538,973        | 2,089,590        | 0.22     | 9,721                        | 14,864                       | -34.6%   | 31,314,650         | 31,607,612         | -0.9%    |
| SING FUEL                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ULSD UP-DOWN(ARGUS) SWA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LLS (ARGUS) CALENDAR SWA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB VS HEATING OIL SWAP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NORTHEN NATURAL GAS DEM   | 0                          | 0                          | 0.0%     | 31               | 0                | 0        | 0                            | 0                            | 0.0%     | 31                 | 0                  | 0.0%     |
| HOUSTON SHIP CHANNEL IND  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE JET KERO NWE CALS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINY WTI CRUDE OIL        | 0                          | 0                          | 0.0%     | 317,516          | 113,281          | 1.8      | 0                            | 0                            | 0.0%     | 1,898,735          | 1,764,795          | 7.6%     |
| NEW ENGLAND HUB PEAK DAI  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| ROCKIES KERN OPAL - NW IN | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NATURAL GAS PHY           | 4,004                      | 5,867                      | -31.8%   | 6,265,367        | 7,689,741        | -0.19    | 38,981                       | 48,839                       | -20.2%   | 70,958,605         | 80,549,869         | -11.9%   |
| APPALACHIAN COAL (PHY)    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI CALENDAR              | 0                          | 3                          | -100.0%  | 0                | 0                | 0        | 178                          | 28                           | 535.7%   | 0                  | 0                  | 0.0%     |
| HENRY HUB BASIS SWAP      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DEMARC INDEX FUTURE       | 0                          | -                          | -        | 0                | -                | 0        | 0                            | -                            | -        | 0                  | -                  | -        |
| WTS (ARGUS) VS WTI SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PREMIUM UNLEAD 10PPM FOB  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO UNL GAS PL VS RBO | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL PHY             | 37,117                     | 44,671                     | -16.9%   | 13,598,149       | 9,146,981        | 0.49     | 441,487                      | 643,906                      | -31.4%   | 139,239,515        | 139,900,593        | -0.5%    |
| RBOB CALENDAR SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 109                          | 154                          | -29.2%   | 0                  | 0                  | 0.0%     |
| ISO NEW ENGLAND PK LMP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LA CARB DIESEL (OPIS)     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO ETHANOL SWAP      | 0                          | 0                          | 0.0%     | 102              | 554              | -0.82    | 0                            | 0                            | 0.0%     | 5,762              | 6,633              | -13.1%   |
| NEW YORK ETHANOL SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL BULLET SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO PROPANE CIF ARA SW   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JAPAN C&F NAPHTHA SWAP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX ULSD VS NYMEX HO    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOLINE UP-DOWN (ARGUS)  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET UP-DOWN(ARGUS) SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LA CARBOB GASOLINE(OPIS)S | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LA CARB DIESEL (OPIS) SWA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JAPAN C&F NAPHTHA CRACK   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LLS (ARGUS) VS WTI SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINY RBOB GAS             | 0                          | 0                          | 0.0%     | 4                | 4                | 0        | 0                            | 0                            | 0.0%     | 51                 | 50                 | 2.0%     |
| RBOB GAS                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB CRACK SPREAD         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB UP-DOWN CALENDAR S   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR RESIDUAL FUEL 1 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR HEAT OIL SWP    | 132                        | 162                        | -18.5%   | 4                | 0                | 0        | 528                          | 1,091                        | -51.6%   | 4                  | 0                  | 0.0%     |
| LA JET FUEL VS NYM NO 2 H | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ANR OKLAHOMA              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MICHIGAN BASIS            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 246                | 0                  | 0.0%     |
| Sumas Basis Swap          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NGPL MID-CONTINENT        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TEXAS EASTERN ZONE M-3 BA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 31                 | 0                  | 0.0%     |
| PGE&E CITYGATE            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM MONTHLY               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NORTHEN NATURAL GAS VEN   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DOMINION TRANSMISSION INC | 0                          | 0                          | 0.0%     | 62               | 0                | 0        | 0                            | 0                            | 0.0%     | 518                | 0                  | 0.0%     |
| TCO BASIS SWAP            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CIG BASIS                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DAILY                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| COLUMBIA GULF ONSHORE     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| Tetco STX Basis           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| Transco Zone 3 Basis      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HENRY HUB SWING FUTURE    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EL PASO PERMIAN INDEX SWA | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| HENRY HUB INDEX SWAP FUT  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WAHA INDEX SWAP FUTURE    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO SWING FUTURE      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| GULF COAST GASOLINE CLND  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GULF COAST HEATING OIL CL | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EUROPE NAPHTHA CALSWAP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE JET KERO RDAM CAL  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EUROPE 1% FUEL OIL RDAM C | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE 3.5% FUEL OIL RDAM | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE 3.5% FUEL OIL MED  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PANHANDLE BASIS SWAP FUT  | 0                          | 0                          | 0.0%     | 28               | 0                | 0        | 0                            | 0                            | 0.0%     | 1,318              | 0                  | 0.0%     |
| SAN JUAN BASIS SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SOCAL BASIS SWAP          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 6 BASIS SWA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO A                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO J                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GULF COAST JET VS NYM 2 H | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LOS ANGELES CARB GASOLIN  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR RESIDUAL FUEL   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MICHIGAN HUB PEAK MONTH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| MICHIGAN HUB OFF-PEAK MO  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ILLINOIS HUB PEAK MONTH S | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| ILLINOIS OFF-PEAK MONTH S | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EURO 3.5% FUEL OIL SPREAD | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL CALENDAR SWAP      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO GASOIL 10 CAL SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NGPL TEXOK SWING SWAP     | 0                          | -                          | -        | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| CENTERPOINT EAST INDEX    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 150                          | -100.0%  | 0                  | 0                  | 0.0%     |
| BRENT FINANCIAL FUTURES   | 0                          | 0                          | 0.0%     | 0                | 14               | -1       | 0                            | 0                            | 0.0%     | 0                  | 14                 | -100.0%  |
| WTI-BRENT BULLET SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI-BRENT CALENDAR SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DATED TO FRONTLINE BRENT  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ICE BRENT DUBAI SWAP      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOIL CRACK SPREAD CALE  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPEAN NAPHTHA CRACK S  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO GASOIL 10PPM VS ICE  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET CIF NWE VS ICE        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET BARGES VS ICE GASOIL  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE GASOIL VS ICE   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS PEN SWP       | 3,530                      | 11,288                     | -68.7%   | 0                | 0                | 0        | 108,648                      | 64,761                       | 67.8%    | 0                  | 0                  | 0.0%     |
| WESTERN RAIL DELIVERY PR  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EASTERN RAIL DELIVERY CSX | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPE DATED BRENT SWAP   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TC5 RAS TANURA TO YOKOHA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TD5 WEST AFRICA TO USAC 1 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TD3 MEG TO JAPAN 250K MT  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TC2 ROTTERDAM TO USAC 37  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM OFF-PEAK LMP SWAP FU  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO A OFF-PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO G OFF-PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO J OFF-PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ISO NEW ENGLAND OFF-PEAK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AEP-DAYTON HUB OFF-PEAK   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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|                              | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|------------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>        |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| N ILLINOIS HUB DAILY         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AEP-DAYTON HUB MTHLY         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FUELOIL SWAP:CARGOES VS.     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EAST/WEST FUEL OIL SPREAD    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE 380CST FUEL OIL    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE JET KEROSENE S     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE NAPHTHA SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SONAT BASIS SWAP FUTURE      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FLORIDA GAS ZONE3 BASIS S    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE4 BASIS SWAP     | 0                          | 0                          | 0.0%     | 31               | 0                | 0        | 0                            | 0                            | 0.0%     | 31                 | 0                  | 0.0%     |
| ANR LOUISIANA BASIS SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TENNESSEE 500 LEG BASIS S    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TENNESSEE ZONE 0 BASIS S     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TEXAS GAS ZONE SL BASIS S    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 6 INDEX         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 6 SWING SWA     | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CINERGY HUB OFF-PEAK MON     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GULF COAST ULSD CALEND       | 0                          | 0                          | 0.0%     | 6                | 0                | 0        | 0                            | 0                            | 0.0%     | 17                 | 0                  | 0.0%     |
| GULF COAST ULSD CRACK SP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HENRY HUB SWAP               | 56                         | 559                        | -90.0%   | 87,699           | 31,636           | 1.77     | 1,610                        | 30,915                       | -94.8%   | 662,039            | 736,079            | -10.1%   |
| DUBAI CRUDE OIL CALENDAR     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| USGC UNL 87 CRACK SPREAD     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYH NO 2 CRACK SPREAD CA     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NO 2 UP-DOWN SPREAD CALE     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE MOGAS 92 UNLEA     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ETHANOL T2 FOB ROTT INCL     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE MOGAS 92 UNLEA     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FAME 0 BIODIESEL FOB RTDM    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PROPANE NON-LDH MT. BEL (    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PROPANE NON-LDH MB (OPIS)    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY JET FUEL (PLATTS) HEAT C  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JET AV FUEL (P) CAR FM ICE G | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FUEL OIL (PLATS) CAR CM      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FUEL OIL (PLATS) CAR CN      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>      |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| NY JET FUEL (ARGUS) VS HEA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY ULSD (ARGUS) VS HEATIN  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MISO 5MW PEAK              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MISO 5MW OFF PEAK          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM PECO ZONE5MW PEAK C    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| IN DELIVERY MONTH CER      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| IN DELIVERY MONTH EUA      | 0                          | 0                          | 0.0%     | 0                | 2,503            | -1       | 0                            | 0                            | 0.0%     | 13,171             | 72,028             | -81.7%   |
| OPIS PHYSICAL LDH PROPAN   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| OPIS PHYSICAL NONLDH PRO   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| OPIS PHYSICAL NORMAL BUT   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| OPIS PHYSICAL NATURAL GAS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| OPIS PHYSICAL ETHANE       | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| DATED BRENT (PLATTS) DAILY | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO OUTRIGHT EURO        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GAS EURO-BOB OXY NWE BA    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GAS EURO-BOB OXY NWE BA    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PREM UNL GAS 10PPM RDAM    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PREM UNL GAS 10PPM RDAM    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU NORMAL BUTA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU ETHANE 5 DEC  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU LDH PROPANE   | 0                          | 0                          | 0.0%     | 17               | 0                | 0        | 0                            | 0                            | 0.0%     | 112                | 0                  | 0.0%     |
| EUROPEAN GASOIL (ICE)      | 0                          | 0                          | 0.0%     | 2,862            | 0                | 0        | 0                            | 0                            | 0.0%     | 6,040              | 0                  | 0.0%     |
| ERCOT NORTH ZMCPE 5MW O    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ERCOT NORTH ZMCPE 5MW P    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ERCOT HOUSTON Z MCPE 5M    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE JET KERO VS. GA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU NORMAL BUTA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU ETHANE OPIS   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU NATURAL GAS   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MONT BELVIEU LDH PROPANE   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CONWAY NORMAL BUTANE (O    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CONWAY NATURAL GASOLINE    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CONWAY PROPANE 5 DECIMA    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 5                  | 0                  | 0.0%     |
| PETROCHEMICALS             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| MONT BELVIEU NATURAL GAS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL LAST DAY        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC NYISO OFF-PEAK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC MISO PEAK            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX ALUMINUM FUTURES    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB CRACK SPREAD BALMO   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CARBON EUA EMISSIONS EUR  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CARBON CER EURO           | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CINERGY HUB PEAK DAILY FU | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| DIESEL 10PPM BARGES FOB B | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO 3.5% FUEL OIL M CRK  | 0                          | -                          | -        | 0                | -                | 0        | 0                            | -                            | -        | 0                  | -                  | -        |
| RBOB (PLATTS) CAL SWAP    | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PJM DUQUESNE 5MW D AH PK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM DUQUS 5MW D AH O PK   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO CRK&SPRD EURO       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GRP THREE ULSD(PLT)VS HEA | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL CRCK SPRD BAL | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO ULSD PL VS HO SPR | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GRP THREE UNL GS (PLT) VS | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| LL JET (OPIS) SWAP        | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| GC JET (ARGUS) CAL SWAP   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CRUDE OIL OUTRIGHTS       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM WES HUB PEAK LMP 50 M | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| FREIGHT MARKETS           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL NEW HAMP 5MW D A   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC ERCOT OFF PEAK       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELECTRICITY OFF PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL BALMO CLNDR S | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL SPRDS           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM APS ZONE DA PEAK      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ANR LA NAT GAS INDEX SWAP | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC FINSETTLED           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM APS ZONE DA OFF-PEAK  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NAT GAS BASIS SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>      |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| PLASTICS                   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO OUTRIGHT NA          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MNC FUT                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MCCLOSKEY ARA ARGS COAL    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MCCLOSKEY RCH BAY COAL     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC ERCOT DLY PEAK        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GC ULSD VS GC JET SPREAD   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO CRCKS & SPRDS NA     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ALGON CITY GATES NAT GAS   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX OMAN CRUDE PRODU     | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SINGAPORE GASOIL CALEND    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MJC FUT                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NGPL TEX/OK                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 273                | 0                  | 0.0%     |
| RBOB SPREAD (PLATTS) SWA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL RHD ISLD 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DAILY EUA                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE GASOIL           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEPOOL RHODE IL 5MW D AH   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TENN 800 LEG NAT GAS INDE  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ONTARIO POWER SWAPS        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL LAST DAY       | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PETROLEUM PRODUCTS ASIA    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| POLYPROPYLENE FUTURES      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| INDONESIAN COAL            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DAILY PJM                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| INDIANA MISO               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO CRCKS & SPRDS ASIA   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| COAL SWAP                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYISO CAPACITY             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT OIL                  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PETROLEUM PRODUCTS         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO-DENOMINATED PETRO     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR LOW SULPUR GA    | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| DIESEL10PPM BARG VS ICE LS | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |

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## CME Group Exchange Volume Comparison Report - Monthly

|                            | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|----------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Futures</b>      |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| MINI GAS EUROBOB OXY NWE   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CHICAGO ULSD (PLATTS) SWA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINI RBOB V. EBOBARG NWE   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL TRADE AT MARKE   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PJM ATSI ELEC              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| TRANSCO ZONE 1 NAT GAS IN  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EMMISSIONS                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 12                 | -100.0%  |
| GROUP THREE ULSD (PLATTS)  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EU LOW SULPHUR GASOIL CR   | 0                          | -                          | -        | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| MICHIGAN MISO              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MGF FUT                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS INDEX          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| 3.5% FUEL OIL CIF BALMO S  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MINI RBOB V. EBOB(ARGUS) N | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MGN1 SWAP FUT              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELECTRICITY ERCOT PEAK     | 0                          | -                          | -        | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| CANADIAN LIGHT SWEET OIL   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EMC FUTURE                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NEW YORK HUB ZONE J PEAK   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR LOW SULPUR GA    | 0                          | -                          | -        | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| UCM FUT                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DLY GAS EURO-BOB OXY       | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| NCN FUT                    | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| <b>Energy Options</b>      |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| ETHANOL FWD                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PGE CITYGATE PIPE SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| N ROCKIES PIPE SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HUSTN SHIP CHNL PIPE SWP   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SAN JUAN PIPE SWAP         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SOCAL PIPE SWAP            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PANHANDLE PIPE SWAP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Options</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| BRENT OIL LAST DAY        | 144                        | 390                        | -63.1%   | 0                | 0                | 0        | 11,128                       | 1,183                        | 840.7%   | 0                  | 11                 | -100.0%  |
| BRENT CALENDAR SWAP       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 24                           | -100.0%  | 0                  | 0                  | 0.0%     |
| SINGAPORE JET FUEL CALEN  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ROTTERDAM 3.5%FUEL OIL CL | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE FUEL OIL 180 CS | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CINERGY HUB PEAK MONTH    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS 1MO           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL PHY           | 3,526                      | 4,354                      | -19.0%   | 7,001            | 1,904            | 2.68     | 38,785                       | 71,840                       | -46.0%   | 49,663             | 37,255             | 33.3%    |
| CENTRAL APPALACHIAN COAL  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| N ILLINOIS HUB MTHLY      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HENRY HUB FINANCIAL LAST  | 9                          | 0                          | 0.0%     | 0                | 0                | 0        | 482                          | 2,546                        | -81.1%   | 0                  | 0                  | 0.0%     |
| RBOB PHY                  | 4,527                      | 2,938                      | 54.1%    | 4,866            | 7,535            | -0.35    | 52,392                       | 95,322                       | -45.0%   | 74,211             | 63,152             | 17.5%    |
| NATURAL GAS PHY           | 65,943                     | 161,477                    | -59.2%   | 257,753          | 438,700          | -0.41    | 1,424,273                    | 1,255,038                    | 13.5%    | 2,849,383          | 3,114,892          | -8.5%    |
| CRUDE OIL APO             | 97                         | 53                         | 83.0%    | 0                | 0                | 0        | 1,650                        | 3,160                        | -47.8%   | 0                  | 258                | -100.0%  |
| NATURAL GAS 3 M CSO FIN   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 7,812                        | 200                          | 3,806.0% | 0                  | 0                  | 0.0%     |
| NATURAL GAS 1 M CSO FIN   | 4,004                      | 700                        | 472.0%   | 0                | 0                | 0        | 6,898                        | 2,650                        | 160.3%   | 0                  | 0                  | 0.0%     |
| WTI CRUDE OIL 1 M CSO FI  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL PHY             | 287,375                    | 305,170                    | -5.8%    | 2,395,787        | 965,823          | 1.48     | 3,423,022                    | 6,106,655                    | -43.9%   | 19,809,141         | 14,304,823         | 38.5%    |
| RBOB CALENDAR SWAP        | 0                          | 30                         | -100.0%  | 0                | 0                | 0        | 711                          | 1,456                        | -51.2%   | 0                  | 0                  | 0.0%     |
| RBOB 1MO CAL SPD OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ISO NEW ENGLAND PK LMP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NY HARBOR HEAT OIL SWP    | 316                        | 693                        | -54.4%   | 0                | 0                | 0        | 3,226                        | 7,541                        | -57.2%   | 0                  | 0                  | 0.0%     |
| PJM MONTHLY               | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI-BRENT BULLET SWAP     | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 128                          | -100.0%  | 0                  | 0                  | 0.0%     |
| HEATING OIL CRACK OPTIONS | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| HO 1 MONTH CLNDR OPTIONS  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 775                          | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AEP-DAYTON HUB MTHLY      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CRUDE OIL 1MO             | 0                          | 0                          | 0.0%     | 3,100            | 0                | 0        | 0                            | 14,139                       | -100.0%  | 22,864             | 0                  | 0.0%     |
| WTI 6 MONTH CALENDAR OPTI | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI 12 MONTH CALENDAR OP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX EUROPEAN GASOIL A   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NYMEX EUROPEAN GASOIL O   | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| IN DELIVERY MONTH EUA OPT | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO OUTRIGHT EURO       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                           | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|---------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Options</b>     |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| PANHANDLE BASIS           | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| NYISO ZONE G 5MW PEAK OP  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PETROCHEMICALS            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 65                 | 0                  | 0.0%     |
| NATURAL GAS SUMMER STRIP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS OPTION ON CA  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELEC MISO PEAK            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EUROPEAN JET KEROSENE N   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| IN DELIVERY MONTH CER OPT | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| NATURAL GAS OPT           | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| PJM CALENDAR STRIP        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CRUDE OIL OUTRIGHTS       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| APPALACHIAN COAL          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HEATING OIL CRK SPD AVG P | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ELECTRICITY OFF PEAK      | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| ELEC FINSETTLED           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| BRENT 1 MONTH CAL         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 66                           | -100.0%  | 0                  | 0                  | 0.0%     |
| CRUDE OIL CALNDR STRIP    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS 5 M CSO FIN   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS WINTER STRIP  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| PETRO OUTRIGHT NA         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MCCLOSKEY ARA ARGS COAL   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MCCLOSKEY RCH BAY COAL    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS 2 M CSO FIN   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS 6 M CSO FIN   | 0                          | 400                        | -100.0%  | 0                | 0                | 0        | 0                            | 1,958                        | -100.0%  | 0                  | 0                  | 0.0%     |
| GASOIL CRACK SPREAD AVG   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SINGAPORE GASOIL CALENDAR | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| ETHANOL SWAP              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SHORT TERM NATURAL GAS    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SHORT TERM                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB CRACK SPREAD AVG P   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NATURAL GAS 12 M CSO FIN  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| DAILY PJM                 | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SHORT TERM CRUDE OIL      | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| COAL SWAP                 | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|                          | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|--------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Energy Options</b>    |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| DAILY CRUDE OIL          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| EURO-DENOMINATED PETRO   | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| GASOLINE                 | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| COAL API2 INDEX          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| RBOB 6 MONTH CALENDAR SF | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI CRUDE OIL 12 M CSO F | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| PJM ELECTRIC             | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 0                  | -                  | -        |
| COAL API4 INDEX          | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WTI CRUDE OIL 6 M CSO FI | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| <b>FX Futures</b>        |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| AUSTRALIAN DOLLAR        | 926                        | 4,279                      | -78.4%   | 1,958,640        | 1,749,868        | 0.12     | 13,333                       | 35,835                       | -62.8%   | 22,384,111         | 25,209,056         | -11.2%   |
| BRITISH POUND            | 16,449                     | 6,628                      | 148.2%   | 1,946,892        | 2,038,021        | -0.04    | 62,683                       | 36,140                       | 73.4%    | 24,234,655         | 28,332,985         | -14.5%   |
| BRAZIL REAL              | 0                          | 36                         | -100.0%  | 24,956           | 5,978            | 3.17     | 960                          | 4,412                        | -78.2%   | 293,882            | 106,337            | 176.4%   |
| CANADIAN DOLLAR          | 3,836                      | 4,978                      | -22.9%   | 1,377,317        | 1,367,871        | 0.01     | 27,506                       | 24,795                       | 10.9%    | 14,863,184         | 16,785,887         | -11.5%   |
| E-MINI EURO FX           | 0                          | 0                          | 0.0%     | 88,958           | 93,851           | -0.05    | 0                            | 0                            | 0.0%     | 913,136            | 1,034,307          | -11.7%   |
| EURO FX                  | 20,233                     | 13,813                     | 46.5%    | 5,369,417        | 3,823,996        | 0.4      | 92,757                       | 120,763                      | -23.2%   | 51,149,142         | 59,949,474         | -14.7%   |
| E-MINI JAPANESE YEN      | 0                          | 0                          | 0.0%     | 27,766           | 11,615           | 1.39     | 0                            | 0                            | 0.0%     | 175,297            | 329,217            | -46.8%   |
| JAPANESE YEN             | 6,823                      | 7,630                      | -10.6%   | 4,559,198        | 2,704,913        | 0.69     | 37,162                       | 55,197                       | -32.7%   | 37,598,422         | 41,595,455         | -9.6%    |
| MEXICAN PESO             | 24,786                     | 33,538                     | -26.1%   | 1,119,488        | 769,987          | 0.45     | 264,765                      | 127,681                      | 107.4%   | 9,748,711          | 9,695,087          | 0.6%     |
| NEW ZEALND DOLLAR        | 250                        | 2,836                      | -91.2%   | 441,849          | 246,080          | 0.8      | 2,894                        | 10,860                       | -73.4%   | 4,008,386          | 3,451,823          | 16.1%    |
| NKR/USD CROSS RATE       | 0                          | 420                        | -100.0%  | 2,534            | 954              | 1.66     | 594                          | 2,060                        | -71.2%   | 11,966             | 9,418              | 27.1%    |
| RUSSIAN RUBLE            | 0                          | 0                          | 0.0%     | 25,553           | 11,433           | 1.24     | 0                            | 4                            | -100.0%  | 221,089            | 133,692            | 65.4%    |
| S.AFRICAN RAND           | 0                          | 0                          | 0.0%     | 20,796           | 4,077            | 4.1      | 0                            | 3,696                        | -100.0%  | 88,211             | 24,962             | 253.4%   |
| SWISS FRANC              | 744                        | 2,497                      | -70.2%   | 1,125,405        | 680,571          | 0.65     | 5,035                        | 8,701                        | -42.1%   | 9,412,196          | 8,751,832          | 7.5%     |
| AD/CD CROSS RATES        | 0                          | 0                          | 0.0%     | 55               | 12               | 3.58     | 0                            | 0                            | 0.0%     | 575                | 293                | 96.2%    |
| AD/JY CROSS RATES        | 0                          | 0                          | 0.0%     | 8,809            | 2,480            | 2.55     | 0                            | 0                            | 0.0%     | 52,478             | 20,658             | 154.0%   |
| AD/NE CROSS RATES        | 0                          | 0                          | 0.0%     | 67               | 0                | 0        | 0                            | 0                            | 0.0%     | 958                | 194                | 393.8%   |
| BP/JY CROSS RATES        | 0                          | 0                          | 0.0%     | 1,597            | 1,175            | 0.36     | 486                          | 0                            | 0.0%     | 27,480             | 6,786              | 305.0%   |
| BP/SF CROSS RATES        | 0                          | 0                          | 0.0%     | 245              | 491              | -0.5     | 0                            | 0                            | 0.0%     | 4,721              | 2,437              | 93.7%    |
| CD/JY CROSS RATES        | 0                          | 0                          | 0.0%     | 20               | 2                | 9        | 0                            | 0                            | 0.0%     | 319                | 190                | 67.9%    |

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## CME Group Exchange Volume Comparison Report - Monthly

|                         | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG  |
|-------------------------|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|-----------|
| <b>FX Futures</b>       |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |           |
| EC/AD CROSS RATES       | 0                          | 0                          | 0.0%     | 2,607            | 1,090            | 1.39     | 0                            | 0                            | 0.0%     | 10,992             | 7,139              | 54.0%     |
| EC/CD CROSS RATES       | 0                          | 0                          | 0.0%     | 4,360            | 909              | 3.8      | 0                            | 0                            | 0.0%     | 36,292             | 4,758              | 662.8%    |
| EC/NOK CROSS RATES      | 16                         | 0                          | 0.0%     | 16               | 0                | 0        | 64                           | 0                            | 0.0%     | 18                 | 1                  | 1,700.0%  |
| EC/SEK CROSS RATES      | 16                         | 0                          | 0.0%     | 57               | 0                | 0        | 352                          | 0                            | 0.0%     | 237                | 0                  | 0.0%      |
| EFX/BP CROSS RATES      | 0                          | 0                          | 0.0%     | 83,703           | 64,289           | 0.3      | 0                            | 0                            | 0.0%     | 695,196            | 692,134            | 0.4%      |
| EFX/JY CROSS RATES      | 0                          | 0                          | 0.0%     | 56,426           | 60,337           | -0.06    | 0                            | 0                            | 0.0%     | 514,211            | 864,686            | -40.5%    |
| EFX/SF CROSS RATES      | 0                          | 0                          | 0.0%     | 91,231           | 41,323           | 1.21     | 0                            | 0                            | 0.0%     | 411,341            | 404,604            | 1.7%      |
| SF/JY CROSS RATES       | 0                          | 0                          | 0.0%     | 0                | 33               | -1       | 0                            | 0                            | 0.0%     | 2                  | 658                | -99.7%    |
| SKR/USD CROSS RATES     | 0                          | 0                          | 0.0%     | 1,747            | 711              | 1.46     | 56                           | 0                            | 0.0%     | 9,638              | 11,854             | -18.7%    |
| CZECK KORUNA (US)       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 15                 | 0                  | 0.0%      |
| CZECK KORUNA (EC)       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| HUNGARIAN FORINT (US)   | 0                          | 0                          | 0.0%     | 0                | 2                | -1       | 0                            | 0                            | 0.0%     | 2                  | 13                 | -84.6%    |
| HUNGARIAN FORINT (EC)   | 0                          | 0                          | 0.0%     | 0                | 16               | -1       | 0                            | 0                            | 0.0%     | 0                  | 16                 | -100.0%   |
| POLISH ZLOTY (US)       | 0                          | 0                          | 0.0%     | 364              | 18               | 19.22    | 238                          | 0                            | 0.0%     | 1,613              | 89                 | 1,712.4%  |
| POLISH ZLOTY (EC)       | 0                          | 0                          | 0.0%     | 2                | 270              | -0.99    | 98                           | 0                            | 0.0%     | 8                  | 270                | -97.0%    |
| SHEKEL                  | 0                          | 0                          | 0.0%     | 0                | 10               | -1       | 0                            | 0                            | 0.0%     | 30                 | 14                 | 114.3%    |
| RMB USD                 | 0                          | 0                          | 0.0%     | 1,296            | 2,112            | -0.39    | 0                            | 0                            | 0.0%     | 10,289             | 16,568             | -37.9%    |
| RMB EURO                | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| KOREAN WON              | 0                          | 0                          | 0.0%     | 77               | 32               | 1.41     | 0                            | 0                            | 0.0%     | 292                | 261                | 11.9%     |
| TURKISH LIRA            | 0                          | 0                          | 0.0%     | 14               | 0                | 0        | 0                            | 0                            | 0.0%     | 224                | 2                  | 11,100.0% |
| TURKISH LIRA (EU)       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| E-MICRO EUR/USD         | 0                          | 0                          | 0.0%     | 216,909          | 131,478          | 0.65     | 0                            | 0                            | 0.0%     | 1,969,393          | 2,014,684          | -2.2%     |
| E-MICRO GBP/USD         | 0                          | 0                          | 0.0%     | 32,335           | 25,111           | 0.29     | 0                            | 0                            | 0.0%     | 362,251            | 387,911            | -6.6%     |
| E-MICRO USD/CAD         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 2                  | 20                 | -90.0%    |
| E-MICRO USD/CHF         | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 6                  | 0                  | 0.0%      |
| E-MICRO USD/JPY         | 0                          | 0                          | 0.0%     | 21               | 5                | 3.2      | 0                            | 0                            | 0.0%     | 119                | 98                 | 21.4%     |
| E-MICRO AUD/USD         | 0                          | 0                          | 0.0%     | 52,141           | 32,488           | 0.6      | 0                            | 0                            | 0.0%     | 519,173            | 393,900            | 31.8%     |
| MICRO JYP/USD           | 0                          | 0                          | 0.0%     | 27,511           | 10,574           | 1.6      | 0                            | 0                            | 0.0%     | 164,040            | 176,644            | -7.1%     |
| MICRO CHF/USD           | 0                          | 0                          | 0.0%     | 4,719            | 3,739            | 0.26     | 0                            | 0                            | 0.0%     | 48,379             | 61,382             | -21.2%    |
| MICRO CAD/USD           | 0                          | 0                          | 0.0%     | 13,366           | 5,651            | 1.37     | 0                            | 0                            | 0.0%     | 177,522            | 59,334             | 199.2%    |
| EURO QUARTERLY VARIANCE | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%      |
| INDIAN RUPEE            | 0                          | 0                          | 0.0%     | 2,713            | 4,219            | -0.36    | 0                            | 0                            | 0.0%     | 48,241             | 165,627            | -70.9%    |
| USDZAR                  | 0                          | 0                          | 0.0%     | 0                | 225              | -1       | 0                            | 0                            | 0.0%     | 1,226              | 434                | 182.5%    |
| RMB JY                  | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%      |

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## CME Group Exchange Volume Comparison Report - Monthly

|  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|--|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>FX Options</b>                              |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| AUSTRALIAN DOLLAR                              | 2,234                      | 12,006                     | -81.4%   | 126,049          | 129,211          | -0.02    | 102,368                      | 246,508                      | -58.5%   | 1,461,165          | 1,491,239          | -2.0%    |
| BRITISH POUND                                  | 8,648                      | 21,470                     | -59.7%   | 192,106          | 164,661          | 0.17     | 217,828                      | 228,514                      | -4.7%    | 2,815,586          | 1,613,179          | 74.5%    |
| BRAZIL REAL                                    | 0                          | -                          | -        | 0                | -                | -        | 0                            | -                            | -        | 10                 | -                  | -        |
| CANADIAN DOLLAR                                | 2,199                      | 12,507                     | -82.4%   | 98,351           | 103,650          | -0.05    | 90,521                       | 156,381                      | -42.1%   | 1,309,648          | 946,862            | 38.3%    |
| EURO FX  | 40,714                     | 49,380                     | -17.5%   | 969,904          | 470,515          | 1.06     | 641,848                      | 975,505                      | -34.2%   | 6,984,658          | 5,462,767          | 27.9%    |
| JAPANESE YEN                                   | 21,799                     | 35,277                     | -38.2%   | 306,962          | 217,266          | 0.41     | 333,061                      | 458,494                      | -27.4%   | 2,662,451          | 3,218,226          | -17.3%   |
| MEXICAN PESO                                   | 200                        | 0                          | 0.0%     | 3,016            | 0                | 0        | 2,911                        | 780                          | 273.2%   | 6,898              | 2,063              | 234.4%   |
| NEW ZEALND DOLLAR                              | 0                          | 0                          | 0.0%     | 5                | 0                | 0        | 0                            | 0                            | 0.0%     | 753                | 62                 | 1,114.5% |
| RUSSIAN RUBLE                                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SWISS FRANC                                    | 1,350                      | 902                        | 49.7%    | 41,998           | 12,453           | 2.37     | 6,194                        | 8,714                        | -28.9%   | 290,750            | 167,004            | 74.1%    |
| EFX/BP CROSS RATES                             | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| EFX/JY CROSS RATES                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 2                  | -100.0%  |
| EFX/SF CROSS RATES                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JAPANESE YEN (EU)                              | 0                          | 0                          | 0.0%     | 781              | 1,839            | -0.58    | 100                          | 17                           | 488.2%   | 11,567             | 33,354             | -65.3%   |
| EURO FX (EU)                                   | 0                          | 1                          | -100.0%  | 4,168            | 3,485            | 0.2      | 12                           | 11                           | 9.1%     | 90,695             | 72,282             | 25.5%    |
| SWISS FRANC (EU)                               | 0                          | 0                          | 0.0%     | 6                | 52               | -0.88    | 0                            | 0                            | 0.0%     | 1,798              | 6,070              | -70.4%   |
| CANADIAN DOLLAR (EU)                           | 0                          | 0                          | 0.0%     | 163              | 392              | -0.58    | 0                            | 100                          | -100.0%  | 6,303              | 14,424             | -56.3%   |
| BRITISH POUND (EU)                             | 0                          | 0                          | 0.0%     | 510              | 876              | -0.42    | 1                            | 63                           | -98.4%   | 9,716              | 29,204             | -66.7%   |
| AUSTRALIAN DLR (EU)                            | 0                          | 0                          | 0.0%     | 380              | 313              | 0.21     | 0                            | 75                           | -100.0%  | 3,292              | 14,202             | -76.8%   |
| <b>Commodities and Alternative Investments</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| <b>Futures</b>                                 |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| CORN   | 91,679                     | 63,261                     | 44.9%    | 3,892,331        | 2,824,014        | 0.38     | 1,628,320                    | 1,786,708                    | -8.9%    | 65,010,269         | 60,078,467         | 8.2%     |
| SOYBEAN  | 64,434                     | 64,767                     | -0.5%    | 4,092,157        | 3,712,811        | 0.1      | 850,535                      | 951,343                      | -10.6%   | 46,319,184         | 43,835,847         | 5.7%     |
| SOYBEAN MEAL                                   | 15,301                     | 24,736                     | -38.1%   | 1,540,408        | 1,557,301        | -0.01    | 311,794                      | 476,750                      | -34.6%   | 19,418,261         | 18,919,481         | 2.6%     |
| SOYBEAN OIL                                    | 28,641                     | 25,212                     | 13.6%    | 2,038,245        | 1,826,448        | 0.12     | 266,083                      | 508,710                      | -47.7%   | 22,863,935         | 22,676,102         | 0.8%     |
| OATS   | 15                         | 10                         | 50.0%    | 6,592            | 8,497            | -0.22    | 1,396                        | 1,582                        | -11.8%   | 181,210            | 232,551            | -22.1%   |
| ROUGH RICE                                     | 341                        | 134                        | 154.5%   | 26,488           | 21,450           | 0.23     | 1,722                        | 2,628                        | -34.5%   | 221,285            | 268,161            | -17.5%   |
| WHEAT  | 27,995                     | 15,351                     | 82.4%    | 2,338,987        | 1,347,159        | 0.74     | 397,533                      | 299,934                      | 32.5%    | 30,790,645         | 24,331,391         | 26.5%    |
| MINI CORN                                      | 287                        | 611                        | -53.0%   | 14,179           | 8,225            | 0.72     | 5,751                        | 8,475                        | -32.1%   | 166,367            | 197,936            | -15.9%   |
| MINI SOYBEAN                                   | 1,109                      | 2,337                      | -52.5%   | 29,271           | 19,022           | 0.54     | 12,685                       | 18,239                       | -30.5%   | 303,762            | 280,939            | 8.1%     |
| MINI WHEAT                                     | 151                        | 119                        | 26.9%    | 9,500            | 4,010            | 1.37     | 2,214                        | 2,162                        | 2.4%     | 98,896             | 123,751            | -20.1%   |

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## CME Group Exchange Volume Comparison Report - Monthly

|  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|--|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Commodities and Alternative Investments</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| <b>Futures</b>                                 |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| LIVE CATTLE                                    | 75,561                     | 98,587                     | -23.4%   | 932,716          | 656,491          | 0.42     | 1,439,078                    | 1,603,010                    | -10.2%   | 12,114,811         | 10,848,829         | 11.7%    |
| FEEDER CATTLE                                  | 11,564                     | 17,070                     | -32.3%   | 205,108          | 105,735          | 0.94     | 147,465                      | 157,120                      | -6.1%    | 1,968,715          | 1,512,128          | 30.2%    |
| LEAN HOGS                                      | 48,959                     | 60,034                     | -18.4%   | 545,415          | 602,482          | -0.09    | 948,919                      | 1,306,427                    | -27.4%   | 9,693,337          | 9,950,399          | -2.6%    |
| LUMBER   | 760                        | 1,313                      | -42.1%   | 12,553           | 13,630           | -0.08    | 9,545                        | 12,378                       | -22.9%   | 149,521            | 228,800            | -34.6%   |
| WOOD PULP                                      | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| MILK   | 1,278                      | 524                        | 143.9%   | 41,468           | 29,587           | 0.4      | 10,131                       | 6,495                        | 56.0%    | 345,857            | 284,648            | 21.5%    |
| MLK MID  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| NFD MILK                                       | 7                          | 122                        | -94.3%   | 1,978            | 2,200            | -0.1     | 274                          | 273                          | 0.4%     | 28,051             | 11,637             | 141.1%   |
| BUTTER CS                                      | 0                          | 0                          | 0.0%     | 3,663            | 3,917            | -0.06    | 0                            | 0                            | 0.0%     | 34,715             | 27,541             | 26.0%    |
| CLASS IV MILK                                  | 42                         | 719                        | -94.2%   | 770              | 4,557            | -0.83    | 3,309                        | 3,883                        | -14.8%   | 21,063             | 16,018             | 31.5%    |
| DRY WHEY                                       | 0                          | 0                          | 0.0%     | 3,120            | 860              | 2.63     | 0                            | 0                            | 0.0%     | 17,772             | 11,273             | 57.7%    |
| GSCI EXCESS RETURN FUT                         | 0                          | 0                          | 0.0%     | 120              | 0                | 0        | 0                            | 0                            | 0.0%     | 386                | 372                | 3.8%     |
| GOLDMAN SACHS                                  | 1,847                      | 2,004                      | -7.8%    | 23,931           | 20,204           | 0.18     | 26,730                       | 37,996                       | -29.7%   | 247,228            | 267,191            | -7.5%    |
| ETHANOL  | 0                          | 0                          | 0.0%     | 16,678           | 9,529            | 0.75     | 0                            | 0                            | 0.0%     | 237,447            | 283,364            | -16.2%   |
| HDD WEATHER                                    | 0                          | 0                          | 0.0%     | 2                | 326              | -0.99    | 0                            | 0                            | 0.0%     | 1,519              | 1,586              | -4.2%    |
| CDD WEATHER                                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 30                 | 1,124              | -97.3%   |
| HDD SEASONAL STRIP                             | 0                          | 0                          | 0.0%     | 0                | 50               | -1       | 0                            | 0                            | 0.0%     | 300                | 100                | 200.0%   |
| CDD SEASONAL STRIP                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 100                | -100.0%  |
| HDD WEATHER EUROPEAN                           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 50                 | -100.0%  |
| CAT WEATHER EUROPEAN                           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HDD EURO SEASONAL STRIP                        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CAT EURO SEASONAL STRIP                        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WKLY AVG TEMP                                  | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HOUSING INDEX                                  | 0                          | 0                          | 0.0%     | 5                | 7                | -0.29    | 0                            | 0                            | 0.0%     | 133                | 230                | -42.2%   |
| PACIFIC RIM DAT SS WTHR                        | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| DOW-UBS COMMOD INDEX                           | 0                          | 0                          | 0.0%     | 36,185           | 25,622           | 0.41     | 0                            | 0                            | 0.0%     | 255,163            | 188,268            | 35.5%    |
| COTTON   | 0                          | 0                          | 0.0%     | 9                | 20               | -0.55    | 0                            | 0                            | 0.0%     | 737                | 572                | 28.8%    |
| COCOA TAS                                      | 0                          | 0                          | 0.0%     | 27               | 32               | -0.16    | 0                            | 0                            | 0.0%     | 317                | 197                | 60.9%    |
| COFFEE   | 0                          | 0                          | 0.0%     | 90               | 10               | 8        | 0                            | 0                            | 0.0%     | 427                | 332                | 28.6%    |
| SUGAR 11                                       | 0                          | 0                          | 0.0%     | 68               | 19               | 2.58     | 0                            | 0                            | 0.0%     | 760                | 793                | -4.2%    |
| USD CRUDE PALM OIL                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 100                | -100.0%  |
| CASH-SETTLED CHEESE                            | 0                          | 16                         | -100.0%  | 17,624           | 2,590            | 5.8      | 150                          | 16                           | 837.5%   | 78,522             | 33,391             | 135.2%   |
| OTC SP GSCI ER SWAP                            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DOW-UBS COMMOD INDEX SW                        | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|--|----------------------------|----------------------------|----------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Commodities and Alternative Investments</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| <b>Futures</b>                                 |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| GRAIN BASIS SWAPS                              | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| OTC SP GSCI ER 3MTH SWAP                       | -                          | 0                          | 0.0%     | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| FERTILIZER PRODUCTS                            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| DJ_UBS ROLL SELECT INDEX                       | 0                          | 0                          | 0.0%     | 0                | 256              | -1       | 0                            | 0                            | 0.0%     | 420                | 597                | -29.6%   |
| S&P GSCI ENHANCED ER SWA                       | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MALAYSIAN PALM SWAP                            | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| WHEAT HRW                                      | 0                          | 215                        | -100.0%  | 0                | 153,386          | -1       | 0                            | 15,584                       | -100.0%  | 0                  | 3,744,609          | -100.0%  |
| <b>Commodities and Alternative Investments</b> |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| <b>Options</b>                                 |                            |                            |          |                  |                  |          |                              |                              |          |                    |                    |          |
| CORN   | 502,554                    | 430,914                    | 16.6%    | 700,831          | 525,394          | 0.33     | 9,226,572                    | 13,229,447                   | -30.3%   | 11,754,491         | 10,080,076         | 16.6%    |
| SOYBEAN  | 472,943                    | 372,068                    | 27.1%    | 727,543          | 441,506          | 0.65     | 7,581,669                    | 7,244,229                    | 4.7%     | 10,325,625         | 7,511,789          | 37.5%    |
| SOYBEAN MEAL                                   | 92,904                     | 78,733                     | 18.0%    | 88,772           | 57,367           | 0.55     | 1,331,329                    | 1,140,360                    | 16.7%    | 1,250,696          | 898,481            | 39.2%    |
| SOYBEAN OIL                                    | 83,615                     | 48,029                     | 74.1%    | 38,684           | 12,782           | 2.03     | 1,304,125                    | 1,126,392                    | 15.8%    | 435,515            | 300,896            | 44.7%    |
| SOYBEAN CRUSH                                  | 80                         | 352                        | -77.3%   | 0                | 0                | 0        | 2,984                        | 3,174                        | -6.0%    | 0                  | 0                  | 0.0%     |
| OATS   | 548                        | 1,070                      | -48.8%   | 104              | 758              | -0.86    | 14,944                       | 17,777                       | -15.9%   | 10,066             | 13,601             | -26.0%   |
| ROUGH RICE                                     | 1,197                      | 230                        | 420.4%   | 348              | 403              | -0.14    | 7,251                        | 10,346                       | -29.9%   | 7,920              | 4,843              | 63.5%    |
| WHEAT  | 388,954                    | 196,352                    | 98.1%    | 358,176          | 162,620          | 1.2      | 3,127,652                    | 2,348,833                    | 33.2%    | 3,375,693          | 2,157,115          | 56.5%    |
| LIVE CATTLE                                    | 108,568                    | 63,524                     | 70.9%    | 232,936          | 141,854          | 0.64     | 1,120,918                    | 1,025,708                    | 9.3%     | 2,920,294          | 1,704,648          | 71.3%    |
| FEEDER CATTLE                                  | 12,984                     | 3,022                      | 329.6%   | 37,023           | 14,965           | 1.47     | 49,823                       | 20,454                       | 143.6%   | 325,531            | 194,618            | 67.3%    |
| LEAN HOGS                                      | 27,620                     | 37,897                     | -27.1%   | 150,507          | 90,083           | 0.67     | 663,862                      | 406,626                      | 63.3%    | 2,442,966          | 1,181,995          | 106.7%   |
| LUMBER   | 26                         | 10                         | 160.0%   | 970              | 1,365            | -0.29    | 115                          | 1,657                        | -93.1%   | 13,776             | 13,948             | -1.2%    |
| MILK   | 16,630                     | 21,502                     | -22.7%   | 16,948           | 8,799            | 0.93     | 219,902                      | 175,454                      | 25.3%    | 142,031            | 84,617             | 67.9%    |
| MLK MID  | 164                        | 257                        | -36.2%   | 0                | 0                | 0        | 1,349                        | 1,125                        | 19.9%    | 0                  | 0                  | 0.0%     |
| NFD MILK                                       | 985                        | 630                        | 56.3%    | 241              | 31               | 6.77     | 15,198                       | 6,225                        | 144.1%   | 1,141              | 175                | 552.0%   |
| BUTTER CS                                      | 1,303                      | 1,785                      | -27.0%   | 174              | 181              | -0.04    | 10,844                       | 14,742                       | -26.4%   | 1,176              | 403                | 191.8%   |
| CLASS IV MILK                                  | 1,061                      | 3,973                      | -73.3%   | 218              | 372              | -0.41    | 15,787                       | 23,729                       | -33.5%   | 4,947              | 1,214              | 307.5%   |
| DRY WHEY                                       | 273                        | 427                        | -36.1%   | 0                | 0                | 0        | 4,523                        | 3,526                        | 28.3%    | 0                  | 0                  | 0.0%     |
| HDD WEATHER                                    | 0                          | 140                        | -100.0%  | 0                | 0                | 0        | 75                           | 166                          | -54.8%   | 0                  | 0                  | 0.0%     |
| CDD WEATHER                                    | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 100                          | -100.0%  | 0                  | 0                  | 0.0%     |
| HDD SEASONAL STRIP                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 60                           | -100.0%  | 0                  | 0                  | 0.0%     |
| CDD SEASONAL STRIP                             | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 80                           | 60                           | 33.3%    | 0                  | 0                  | 0.0%     |
| HDD WEATHER EUROPEAN                           | 0                          | 0                          | 0.0%     | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG   | ELEC<br>DEC 2014 | ELEC<br>DEC 2013 | %<br>CHG | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG | ELEC<br>Y.T.D 2014 | ELEC<br>Y.T.D 2013 | %<br>CHG |
|--|----------------------------|----------------------------|------------|------------------|------------------|----------|------------------------------|------------------------------|----------|--------------------|--------------------|----------|
| <b>Commodities and Alternative Investments</b> |                            |                            |            |                  |                  |          |                              |                              |          |                    |                    |          |
| <b>Options</b>                                 |                            |                            |            |                  |                  |          |                              |                              |          |                    |                    |          |
| CAT WEATHER EUROPEAN                           | 0                          | -                          | -          | 0                | -                |          | 0                            | -                            | -        | 0                  | -                  | -        |
| HDD EURO SEASONAL STRIP                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| CAT EURO SEASONAL STRIP                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| HOUSING INDEX                                  | 0                          | -                          | -          | 0                | -                |          | 0                            | -                            | -        | 35                 | -                  | -        |
| PACIFIC RIM DAT SS WTHR                        | -                          | 0                          | 0.0%       | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SBIN M HURR                                    | -                          | 0                          | 0.0%       | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| CORN NEARBY+2 CAL SPRD                         | 4,117                      | 420                        | 880.2%     | 107              | 0                | 0        | 87,364                       | 156,757                      | -44.3%   | 1,740              | 253                | 587.7%   |
| SOYBN NEARBY+2 CAL SPRD                        | 300                        | 893                        | -66.4%     | 0                | 0                | 0        | 8,351                        | 10,317                       | -19.1%   | 112                | 2                  | 5,500.0% |
| WHEAT NEARBY+2 CAL SPRD                        | 4,387                      | 3,825                      | 14.7%      | 0                | 0                | 0        | 62,141                       | 33,966                       | 83.0%    | 1,820              | 62                 | 2,835.5% |
| JULY-DEC CORN CAL SPRD                         | 1,080                      | 1,045                      | 3.3%       | 0                | 0                | 0        | 88,763                       | 92,884                       | -4.4%    | 1,204              | 161                | 647.8%   |
| DEC-JULY WHEAT CAL SPRD                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 1,230                        | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JULY-NOV SOYBEAN CAL SPR                       | 959                        | 770                        | 24.5%      | 7                | 0                | 0        | 57,512                       | 59,630                       | -3.6%    | 54                 | 0                  | 0.0%     |
| JULY-DEC WHEAT CAL SPRD                        | 0                          | 480                        | -100.0%    | 0                | 0                | 0        | 6,058                        | 7,257                        | -16.5%   | 58                 | 94                 | -38.3%   |
| JULY-JULY WHEAT CAL SPRD                       | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 643                          | 673                          | -4.5%    | 42                 | 2                  | 2,000.0% |
| NOV-NOV SOYBEAN CAL SPR                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 587                          | -100.0%  | 0                  | 0                  | 0.0%     |
| SBIN M HURR EVENT2                             | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SOYMEAL NEARBY+2 CAL SPR                       | 100                        | 0                          | 0.0%       | 0                | 0                | 0        | 210                          | 115                          | 82.6%    | 0                  | 0                  | 0.0%     |
| LV CATL CSO                                    | 100                        | 0                          | 0.0%       | 0                | 0                | 0        | 572                          | 856                          | -33.2%   | 0                  | 0                  | 0.0%     |
| SBIN HURR                                      | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| JULY-DEC SOYMEAL CAL SPR                       | 0                          | -                          | -          | 0                | -                |          | 5                            | -                            | -        | 0                  | -                  | -        |
| JULY-DEC SOY OIL CAL SPRD                      | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 255                          | 460                          | -44.6%   | 0                  | 0                  | 0.0%     |
| NOV-JULY SOYBEAN CAL SPR                       | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 991                          | 50                           | 1,882.0% | 0                  | 0                  | 0.0%     |
| SOY OIL NEARBY+2 CAL SPRD                      | 55                         | 405                        | -86.4%     | 0                | 0                | 0        | 2,466                        | 2,129                        | 15.8%    | 30                 | 0                  | 0.0%     |
| CASH-SETTLED CHEESE                            | 4,963                      | 2,953                      | 68.1%      | 1,537            | 53               | 28       | 33,733                       | 25,545                       | 32.1%    | 5,237              | 926                | 465.6%   |
| DEC-JULY CORN CAL SPRD                         | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 1,010                        | 562                          | 79.7%    | 0                  | 0                  | 0.0%     |
| WHEAT-CORN IC SO                               | 6,600                      | 1                          | 659,900.0% | 0                | 0                | 0        | 14,310                       | 1,778                        | 704.8%   | 0                  | 0                  | 0.0%     |
| DEC-DEC CORN CAL SPRD                          | 209                        | 0                          | 0.0%       | 0                | 0                | 0        | 2,762                        | 2,239                        | 23.4%    | 25                 | 0                  | 0.0%     |
| SNOWFALL                                       | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| SEAS SNOWFALL                                  | -                          | 0                          | 0.0%       | -                | 0                | 0        | -                            | 0                            | 0.0%     | -                  | 0                  | 0.0%     |
| SOYBEAN CORN RATIO                             | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| AUG-NOV SOYBEAN CAL SPR                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 3,997                        | 363                          | 1,001.1% | 0                  | 0                  | 0.0%     |
| LN HOGS CSO                                    | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 0                            | 122                          | -100.0%  | 0                  | 0                  | 0.0%     |
| JAN-MAY SOYBEAN CAL SPRD                       | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 400                          | 0                            | 0.0%     | 0                  | 0                  | 0.0%     |
| MAY-NOV SOYBEAN CAL SPR                        | 0                          | 0                          | 0.0%       | 0                | 0                | 0        | 250                          | 80                           | 212.5%   | 0                  | 0                  | 0.0%     |

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## CME Group Exchange Volume Comparison Report - Monthly

|  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG    | ELEC<br>DEC 2014   | ELEC<br>DEC 2013   | %<br>CHG     | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG    | ELEC<br>Y.T.D 2014   | ELEC<br>Y.T.D 2013   | %<br>CHG    |
|--|----------------------------|----------------------------|-------------|--------------------|--------------------|--------------|------------------------------|------------------------------|-------------|----------------------|----------------------|-------------|
| <b>Commodities and Alternative Investments</b> |                            |                            |             |                    |                    |              |                              |                              |             |                      |                      |             |
| <b>Options</b>                                 |                            |                            |             |                    |                    |              |                              |                              |             |                      |                      |             |
| NOV-DEC SOYBEAN CSO                            | 0                          | -                          | -           | 0                  | -                  | -            | 690                          | -                            | -           | 0                    | -                    | -           |
| DEC-JUL SOYBEAN OIL CSO                        | 0                          | -                          | -           | 0                  | -                  | -            | 235                          | -                            | -           | 0                    | -                    | -           |
| MAR-DEC CORN CAL SPRD                          | 4,075                      | 410                        | 893.9%      | 0                  | 0                  | 0            | 4,135                        | 510                          | 710.8%      | 0                    | 0                    | 0.0%        |
| MAR-JULY CORN CAL SPRD                         | 300                        | -                          | -           | 0                  | -                  | -            | 500                          | -                            | -           | 0                    | -                    | -           |
| MAR-JULY WHEAT CAL SPRD                        | 0                          | 130                        | -100.0%     | 0                  | 0                  | 0            | 435                          | 185                          | 135.1%      | 0                    | 0                    | 0.0%        |
| WHEAT HRW                                      | 0                          | 3,282                      | -100.0%     | 0                  | 3,238              | -1           | 0                            | 76,965                       | -100.0%     | 0                    | 68,359               | -100.0%     |
| <b>Foreign Exchange Futures</b>                |                            |                            |             |                    |                    |              |                              |                              |             |                      |                      |             |
| CHILEAN PESO                                   | 0                          | -                          | -           | 30                 | -                  | -            | 0                            | -                            | -           | 40                   | -                    | -           |
| <b>Ags Futures</b>                             |                            |                            |             |                    |                    |              |                              |                              |             |                      |                      |             |
| PALM OIL                                       | 0                          | -                          | -           | 0                  | -                  | -            | 0                            | -                            | -           | 0                    | -                    | -           |
| <b>TOTAL FUTURES GROUP</b>                     |                            |                            |             |                    |                    |              |                              |                              |             |                      |                      |             |
| Interest Rate Futures                          | 1,122,178                  | 848,536                    | 32.2%       | 109,954,470        | 77,134,533         | 42.5%        | 20,482,552                   | 17,065,659                   | 20.0%       | 1,342,920,729        | 1,150,897,480        | 16.7%       |
| Equity Index Futures                           | 427,605                    | 496,340                    | -13.8%      | 53,945,207         | 43,425,552         | 24.2%        | 2,480,719                    | 3,111,554                    | -20.3%      | 561,680,834          | 568,723,949          | -1.2%       |
| Metals Futures                                 | 59,510                     | 66,274                     | -10.2%      | 5,395,669          | 4,706,617          | 14.6%        | 989,129                      | 1,236,273                    | -20.0%      | 70,465,950           | 79,404,227           | -11.3%      |
| Energy Futures                                 | 47,713                     | 63,634                     | -25.0%      | 27,710,851         | 22,141,453         | 25.2%        | 615,389                      | 819,155                      | -24.9%      | 293,980,406          | 293,831,902          | 0.1%        |
| FX Futures                                     | 74,079                     | 76,655                     | -3.4%       | 18,691,177         | 13,898,017         | 34.5%        | 508,983                      | 430,144                      | 18.3%       | 180,169,671          | 200,703,191          | -10.2%      |
| Commodities and Alternative Inve               | 369,971                    | 377,142                    | -1.9%       | 15,829,688         | 12,960,447         | 22.1%        | 6,063,634                    | 7,199,713                    | -15.8%      | 210,571,045          | 198,358,875          | 6.2%        |
| Foreign Exchange Futures                       | 0                          | -                          | -           | 30                 | -                  | -            | 0                            | -                            | -           | 40                   | -                    | -           |
| Ags Futures                                    | 0                          | -                          | -           | 0                  | -                  | -            | 0                            | -                            | -           | 0                    | -                    | -           |
| <b>TOTAL FUTURES</b>                           | <b>2,101,056</b>           | <b>1,928,581</b>           | <b>8.9%</b> | <b>231,527,092</b> | <b>174,266,619</b> | <b>32.9%</b> | <b>31,140,406</b>            | <b>29,862,498</b>            | <b>4.3%</b> | <b>2,659,788,675</b> | <b>2,491,919,624</b> | <b>6.7%</b> |

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## CME Group Exchange Volume Comparison Report - Monthly

|                                  | Open<br>Outcry<br>DEC 2014 | Open<br>Outcry<br>DEC 2013 | %<br>CHG     | ELEC<br>DEC 2014   | ELEC<br>DEC 2013   | %<br>CHG     | Open<br>Outcry<br>Y.T.D 2014 | Open<br>Outcry<br>Y.T.D 2013 | %<br>CHG     | ELEC<br>Y.T.D 2014   | ELEC<br>Y.T.D 2013   | %<br>CHG     |
|----------------------------------|----------------------------|----------------------------|--------------|--------------------|--------------------|--------------|------------------------------|------------------------------|--------------|----------------------|----------------------|--------------|
| <b>TOTAL OPTIONS GROUP</b>       |                            |                            |              |                    |                    |              |                              |                              |              |                      |                      |              |
| Equity Index Options             | 1,105,780                  | 582,066                    | 90.0%        | 11,910,504         | 7,450,597          | 59.9%        | 11,440,207                   | 9,001,338                    | 27.1%        | 118,716,118          | 82,586,870           | 43.7%        |
| Interest Rate Options            | 19,405,718                 | 15,044,074                 | 29.0%        | 10,687,458         | 7,966,563          | 34.2%        | 220,137,984                  | 182,705,470                  | 20.5%        | 118,330,251          | 90,450,260           | 30.8%        |
| Metals Options                   | 141,186                    | 253,854                    | -44.4%       | 489,177            | 439,262            | 11.4%        | 2,306,684                    | 3,530,046                    | -34.7%       | 6,218,138            | 7,001,974            | -11.2%       |
| Energy Options                   | 365,941                    | 476,205                    | -23.2%       | 2,668,507          | 1,413,962          | 88.7%        | 4,971,154                    | 7,563,906                    | -34.3%       | 22,805,327           | 17,520,391           | 30.2%        |
| FX Options                       | 77,144                     | 131,543                    | -41.4%       | 1,744,399          | 1,104,713          | 57.9%        | 1,394,844                    | 2,075,162                    | -32.8%       | 15,655,290           | 13,070,940           | 19.8%        |
| Commodities and Alternative Inve | 1,739,654                  | 1,275,529                  | 36.4%        | 2,355,126          | 1,461,771          | 61.1%        | 25,078,020                   | 27,274,220                   | -8.1%        | 33,022,225           | 24,218,278           | 36.4%        |
| <b>TOTAL OPTIONS</b>             | <b>22,835,423</b>          | <b>17,763,271</b>          | <b>28.6%</b> | <b>29,855,171</b>  | <b>19,836,868</b>  | <b>50.5%</b> | <b>265,328,893</b>           | <b>232,150,142</b>           | <b>14.3%</b> | <b>314,747,349</b>   | <b>234,848,713</b>   | <b>34.0%</b> |
| <b>TOTAL COMBINED</b>            |                            |                            |              |                    |                    |              |                              |                              |              |                      |                      |              |
| Interest Rate                    | 20,527,896                 | 15,892,610                 | 29.2%        | 120,641,928        | 85,101,096         | 41.8%        | 240,620,536                  | 199,771,129                  | 20.4%        | 1,461,250,980        | 1,241,347,740        | 17.7%        |
| Equity Index                     | 1,533,385                  | 1,078,406                  | 42.2%        | 65,855,711         | 50,876,149         | 29.4%        | 13,920,926                   | 12,112,892                   | 14.9%        | 680,396,952          | 651,310,819          | 4.5%         |
| Metals                           | 200,696                    | 320,128                    | -37.3%       | 5,884,846          | 5,145,879          | 14.4%        | 3,295,813                    | 4,766,319                    | -30.9%       | 76,684,088           | 86,406,201           | -11.3%       |
| Energy                           | 413,654                    | 539,839                    | -23.4%       | 30,379,358         | 23,555,415         | 29.0%        | 5,586,543                    | 8,383,061                    | -33.4%       | 316,785,733          | 311,352,293          | 1.7%         |
| FX                               | 151,223                    | 208,198                    | -27.4%       | 20,435,576         | 15,002,730         | 36.2%        | 1,903,827                    | 2,505,306                    | -24.0%       | 195,824,961          | 213,774,131          | -8.4%        |
| Commodities and Alternative Inve | 2,109,625                  | 1,652,671                  | 27.6%        | 18,184,814         | 14,422,218         | 26.1%        | 31,141,654                   | 34,473,933                   | -9.7%        | 243,593,270          | 222,577,153          | 9.4%         |
| Foreign Exchange                 | 0                          | -                          | -            | 30                 | -                  | -            | 0                            | -                            | -            | 40                   | -                    | -            |
| Ags                              | 0                          | -                          | -            | 0                  | -                  | -            | 0                            | -                            | -            | 0                    | -                    | -            |
| <b>GRAND TOTAL</b>               | <b>24,936,479</b>          | <b>19,691,852</b>          | <b>26.6%</b> | <b>261,382,263</b> | <b>194,103,487</b> | <b>34.7%</b> | <b>296,469,299</b>           | <b>262,012,640</b>           | <b>13.2%</b> | <b>2,974,536,024</b> | <b>2,726,768,337</b> | <b>9.1%</b>  |

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