

## CMEG Exchange Volume Report - Monthly

|                              | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG    | VOLUME<br>MAY 2019 | % CHG  | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG     |
|------------------------------|--------------------|--------------------|----------|--------------------|--------|----------------------|----------------------|-----------|
| <b>Interest Rate Futures</b> |                    |                    |          |                    |        |                      |                      |           |
| 10-YR NOTE                   | 33,426,305         | 31,980,532         | 4.5%     | 56,919,411         | -41.3% | 225,487,509          | 230,838,289          | -2.3%     |
| 10-YR SWAP RATE              | 142,668            | 82,200             | 73.6%    | 27,721             | 414.7% | 396,486              | 307,782              | 28.8%     |
| 15-YR SWAP RATE              | 0                  | 0                  | -        | 0                  | 0.0%   | 5,500                | 0                    | -         |
| 1-MONTH EURODOLLAR           | 35                 | 7,907              | -99.6%   | 31                 | 12.9%  | 186                  | 30,442               | -99.4%    |
| 20-YR SWAP RATE              | 0                  | 0                  | -        | 0                  | 0.0%   | 46                   | 0                    | -         |
| 2-YR NOTE                    | 12,310,752         | 6,815,871          | 80.6%    | 25,719,814         | -52.1% | 88,430,443           | 69,424,511           | 27.4%     |
| 2-YR SWAP RATE               | 91,216             | 0                  | -        | 40,435             | 125.6% | 290,772              | 0                    | -         |
| 30-YR BOND                   | 6,005,662          | 6,048,603          | -0.7%    | 9,727,944          | -38.3% | 42,122,919           | 45,193,221           | -6.8%     |
| 30-YR SWAP RATE              | 1,199              | 54                 | 2,120.4% | 636                | 88.5%  | 4,727                | 983                  | 380.9%    |
| 3-YR SWAP RATE               | 19,713             | 0                  | -        | 8,986              | 119.4% | 67,503               | 0                    | -         |
| 4-YR SWAP RATE               | 14,944             | 0                  | -        | 28,369             | -47.3% | 75,477               | 0                    | -         |
| 5-YR NOTE                    | 21,318,978         | 17,379,385         | 22.7%    | 39,172,146         | -45.6% | 149,743,439          | 143,707,554          | 4.2%      |
| 5-YR SWAP RATE               | 146,938            | 45,757             | 221.1%   | 73,185             | 100.8% | 496,764              | 172,403              | 188.1%    |
| 7-YR SWAP RATE               | 9,255              | 0                  | -        | 7,391              | 25.2%  | 31,342               | 0                    | -         |
| EURODOLLARS                  | 78,392,821         | 53,227,407         | 47.3%    | 73,665,276         | 6.4%   | 379,025,224          | 423,822,552          | -10.6%    |
| FED FUND                     | 11,758,864         | 5,819,388          | 102.1%   | 9,473,062          | 24.1%  | 44,002,502           | 34,965,403           | 25.8%     |
| SOFR                         | 558,943            | 32,511             | 1,619.2% | 704,857            | -20.7% | 3,527,922            | 66,142               | 5,233.9%  |
| SONIA                        | 138,518            | 0                  | -        | 189,522            | -26.9% | 979,077              | 0                    | -         |
| Ultra 10-Year Note           | 4,385,027          | 3,072,590          | 42.7%    | 7,198,555          | -39.1% | 27,249,334           | 23,950,493           | 13.8%     |
| ULTRA T-BOND                 | 2,924,509          | 2,770,209          | 5.6%     | 6,886,883          | -57.5% | 23,926,221           | 22,565,973           | 6.0%      |
| <b>Interest Rate Options</b> |                    |                    |          |                    |        |                      |                      |           |
| 10-YR NOTE                   | 13,059,278         | 13,179,212         | -0.9%    | 16,644,420         | -21.5% | 79,995,826           | 82,237,373           | -2.7%     |
| 2-YR NOTE                    | 609,057            | 585,440            | 4.0%     | 750,504            | -18.8% | 3,160,088            | 3,248,892            | -2.7%     |
| 30-YR BOND                   | 2,601,237          | 1,963,120          | 32.5%    | 3,609,149          | -27.9% | 16,574,141           | 15,826,893           | 4.7%      |
| 5-YR NOTE                    | 5,517,393          | 3,768,340          | 46.4%    | 6,371,187          | -13.4% | 28,386,541           | 21,417,182           | 32.5%     |
| EURODOLLARS                  | 45,362,182         | 12,210,863         | 271.5%   | 26,234,480         | 72.9%  | 150,519,366          | 97,616,647           | 54.2%     |
| EURO MIDCURVE                | 18,216,376         | 13,552,067         | 34.4%    | 20,702,536         | -12.0% | 94,868,323           | 102,173,334          | -7.1%     |
| FED FUND                     | 1,000              | 0                  | 0.0%     | 0                  | 0.0%   | 1,452                | 17,017               | -91.5%    |
| Ultra 10-Year Note           | 1,330              | 0                  | 0.0%     | 4,331              | -69.3% | 16,946               | 28                   | 60,421.4% |
| ULTRA T-BOND                 | 20,110             | 2,993              | 571.9%   | 26,615             | -24.4% | 94,822               | 41,893               | 126.3%    |

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|-----------------------------|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Equity Index Futures</b> |                    |                    |          |                    |         |                      |                      |          |
| BITCOIN FUTURES             | 167,362            | 63,777             | 162.4%   | 299,290            | -44.1%  | 941,222              | 341,986              | 175.2%   |
| DJ US REAL ESTATE           | 93,602             | 100,980            | -7.3%    | 19,241             | 386.5%  | 274,376              | 294,398              | -6.8%    |
| E-mini (\$5) Dow            | 4,224,505          | 4,558,504          | -7.3%    | 5,889,586          | -28.3%  | 26,948,217           | 31,598,720           | -14.7%   |
| E-MINI COM SERVICES SELECT  | 10,521             | 0                  | -        | 4,557              | 130.9%  | 36,449               | 0                    | -        |
| E-mini FTSE 100 (USD)       | 0                  | 935                | -100.0%  | 0                  | 0.0%    | 336                  | 9,920                | -96.6%   |
| E-mini FTSE China 50        | 13                 | 866                | -98.5%   | 2                  | 550.0%  | 711                  | 7,469                | -90.5%   |
| E-MINI MIDCAP               | 431,823            | 498,591            | -13.4%   | 307,568            | 40.4%   | 2,056,325            | 2,464,044            | -16.5%   |
| E-MINI NASDAQ 100           | 9,467,968          | 8,400,023          | 12.7%    | 12,812,908         | -26.1%  | 59,791,592           | 55,467,723           | 7.8%     |
| E-MINI RUSSELL 1000         | 21,618             | 30,490             | -29.1%   | 7,440              | 190.6%  | 59,014               | 93,330               | -36.8%   |
| E-MINI RUSSELL 1000 GROWTH  | 12,775             | 17,677             | -27.7%   | 5,030              | 154.0%  | 38,124               | 72,525               | -47.4%   |
| E-MINI RUSSELL 1000 VALUE   | 19,758             | 23,487             | -15.9%   | 8,787              | 124.9%  | 99,573               | 94,931               | 4.9%     |
| E-MINI RUSSELL 2000         | 3,663,923          | 3,945,041          | -7.1%    | 3,219,293          | 13.8%   | 18,151,178           | 17,514,874           | 3.6%     |
| E-MINI S&P500               | 36,451,026         | 35,955,286         | 1.4%     | 41,914,412         | -13.0%  | 200,348,873          | 220,113,571          | -9.0%    |
| E-MINI S&P REAL ESTATE SELE | 8,589              | 13,183             | -34.8%   | 3,484              | 146.5%  | 27,924               | 48,845               | -42.8%   |
| FT-SE 100                   | 0                  | 940                | -100.0%  | 0                  | 0.0%    | 372                  | 8,131                | -95.4%   |
| FTSE Emerging               | 1,816              | 65                 | 2,693.8% | 2,420              | -25.0%  | 13,509               | 687                  | 1,866.4% |
| IBOVESPA INDEX              | 592                | 972                | -39.1%   | 209                | 183.3%  | 3,791                | 6,971                | -45.6%   |
| MICRO E-MINI NASDAQ 100     | 3,029,064          | 0                  | -        | 2,994,347          | 1.2%    | 6,023,411            | 0                    | -        |
| MICRO E-MINI RUSSELL 2000   | 375,630            | 0                  | -        | 543,257            | -30.9%  | 918,887              | 0                    | -        |
| MICRO E-MINI S&P500         | 4,529,623          | 0                  | -        | 4,818,422          | -6.0%   | 9,348,045            | 0                    | -        |
| MICRO MINI \$5 DOW          | 800,243            | 0                  | -        | 943,066            | -15.1%  | 1,743,309            | 0                    | -        |
| NASDAQ BIOTECH              | 468                | 2,224              | -79.0%   | 649                | -27.9%  | 1,856                | 5,448                | -65.9%   |
| NIFTY 50                    | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 54,444               | -100.0%  |
| NIKKEI 225 (\$) STOCK       | 269,391            | 270,630            | -0.5%    | 257,193            | 4.7%    | 1,345,571            | 2,135,226            | -37.0%   |
| NIKKEI 225 (YEN) STOCK      | 894,089            | 766,529            | 16.6%    | 980,979            | -8.9%   | 4,610,993            | 5,713,798            | -19.3%   |
| S&P 500                     | 124,123            | 157,986            | -21.4%   | 65,384             | 89.8%   | 631,424              | 906,280              | -30.3%   |
| S&P 500 ANNUAL DIVIDEND IND | 28,113             | 13,742             | 104.6%   | 22,249             | 26.4%   | 146,521              | 82,180               | 78.3%    |
| S&P 500/GI                  | 20                 | 26                 | -23.1%   | 0                  | 0.0%    | 40                   | 52                   | -23.1%   |
| S&P 500 QUARLY DIVIDEND IND | 0                  | 20                 | -100.0%  | 20                 | -100.0% | 521                  | 462                  | 12.8%    |
| S&P 600 SMALLCAP EMINI      | 538                | 0                  | -        | 0                  | 0.0%    | 538                  | 0                    | -        |
| S&P CONSUMER DSCRTNRY SE    | 13,285             | 27,106             | -51.0%   | 7,256              | 83.1%   | 60,814               | 116,779              | -47.9%   |
| S&P CONSUMER STAPLES SECT   | 40,432             | 28,270             | 43.0%    | 10,291             | 292.9%  | 132,874              | 148,960              | -10.8%   |
| S&P ENERGY SECTOR           | 26,238             | 74,852             | -64.9%   | 10,891             | 140.9%  | 120,911              | 216,036              | -44.0%   |
| S&P FINANCIAL SECTOR        | 59,325             | 87,169             | -31.9%   | 23,600             | 151.4%  | 211,639              | 308,188              | -31.3%   |
| S&P HEALTH CARE SECTOR      | 29,628             | 22,876             | 29.5%    | 8,800              | 236.7%  | 118,886              | 96,277               | 23.5%    |
| S&P INDUSTRIAL SECTOR       | 13,436             | 16,422             | -18.2%   | 6,842              | 96.4%   | 84,502               | 85,826               | -1.5%    |
| S&P MATERIALS SECTOR        | 12,815             | 16,441             | -22.1%   | 9,562              | 34.0%   | 71,729               | 65,637               | 9.3%     |
| S&P TECHNOLOGY SECTOR       | 24,169             | 37,470             | -35.5%   | 11,884             | 103.4%  | 103,020              | 160,374              | -35.8%   |
| S&P UTILITIES SECTOR        | 50,320             | 76,290             | -34.0%   | 25,117             | 100.3%  | 203,389              | 242,531              | -16.1%   |
| S&P VALUE INDEX FUTURES     | 24                 | 28                 | -14.3%   | 0                  | 0.0%    | 48                   | 56                   | -14.3%   |
| YEN DENOMINATED TOPIX       | 20,455             | 843                | 2,326.5% | 31,706             | -35.5%  | 103,299              | 2,274                | 4,442.6% |

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|------------------------------|--------------------|--------------------|--------|--------------------|--------|----------------------|----------------------|---------|
| <b>Equity Index Options</b>  |                    |                    |        |                    |        |                      |                      |         |
| E-mini (\$5) Dow             | 2,984              | 9,269              | -67.8% | 3,618              | -17.5% | 26,486               | 66,147               | -60.0%  |
| E-MINI NASDAQ 100            | 206,567            | 182,334            | 13.3%  | 248,407            | -16.8% | 1,238,807            | 1,482,469            | -16.4%  |
| E-MINI RUSSELL 2000          | 18,126             | 8,249              | 119.7% | 18,583             | -2.5%  | 78,206               | 83,245               | -6.1%   |
| E-MINI S&P500                | 5,602,616          | 4,605,152          | 21.7%  | 7,224,771          | -22.5% | 29,615,129           | 37,308,164           | -20.6%  |
| EOM E-MINI RUSSELL 2000 END  | 10,668             | 5,902              | 80.8%  | 14,138             | -24.5% | 51,478               | 37,944               | 35.7%   |
| EOM EMINI S&P                | 1,823,441          | 2,324,037          | -21.5% | 2,859,243          | -36.2% | 11,182,919           | 16,313,747           | -31.5%  |
| EOM S&P 500                  | 147,140            | 200,108            | -26.5% | 140,263            | 4.9%   | 788,911              | 1,270,567            | -37.9%  |
| EOW1 E-MINI RUSSELL 2000 WE  | 1,405              | 2,129              | -34.0% | 2,092              | -32.8% | 8,861                | 14,686               | -39.7%  |
| EOW1 E-MINI RUSSELL 2000 WE  | 3,209              | 1,845              | 73.9%  | 1,946              | 64.9%  | 10,454               | 19,814               | -47.2%  |
| EOW1 EMINI S&P 500           | 1,302,038          | 669,904            | 94.4%  | 1,242,920          | 4.8%   | 5,673,095            | 6,719,134            | -15.6%  |
| EOW1 S&P 500                 | 100,809            | 42,528             | 137.0% | 22,861             | 341.0% | 384,093              | 413,206              | -7.0%   |
| EOW2 E-MINI RUSSELL 2000 WE  | 4,674              | 5,518              | -15.3% | 7,404              | -36.9% | 22,314               | 35,027               | -36.3%  |
| EOW2 EMINI S&P 500           | 980,451            | 668,029            | 46.8%  | 1,647,803          | -40.5% | 6,031,053            | 8,214,279            | -26.6%  |
| EOW2 S&P 500                 | 62,579             | 134,334            | -53.4% | 141,810            | -55.9% | 738,801              | 900,439              | -18.0%  |
| EOW3 E-MINI RUSSELL 2000 WE  | 8,496              | 17,810             | -52.3% | 15,282             | -44.4% | 62,199               | 145,005              | -57.1%  |
| EOW3 EMINI S&P 500           | 1,526,011          | 2,022,039          | -24.5% | 2,760,389          | -44.7% | 13,555,724           | 23,303,536           | -41.8%  |
| EOW3 S&P 500                 | 91,449             | 93,380             | -2.1%  | 117,967            | -22.5% | 776,212              | 1,999,117            | -61.2%  |
| EOW4 E-MINI RUSSELL 2000 WE  | 261                | 3,807              | -93.1% | 5,318              | -95.1% | 17,541               | 40,406               | -56.6%  |
| EOW4 EMINI S&P 500           | 46,586             | 848,625            | -94.5% | 1,109,508          | -95.8% | 4,848,673            | 7,524,986            | -35.6%  |
| S&P 500                      | 299,314            | 340,225            | -12.0% | 198,571            | 50.7%  | 1,429,356            | 1,959,958            | -27.1%  |
| <b>Metals Futures</b>        |                    |                    |        |                    |        |                      |                      |         |
| ALUMINUM                     | 2,843              | 8,995              | -68.4% | 11,315             | -74.9% | 59,158               | 97,630               | -39.4%  |
| COMEX COPPER                 | 2,257,064          | 3,619,808          | -37.6% | 2,082,227          | 8.4%   | 12,788,426           | 17,546,072           | -27.1%  |
| COMEX E-Mini GOLD            | 24,735             | 5,175              | 378.0% | 14,787             | 67.3%  | 68,268               | 40,680               | 67.8%   |
| COMEX E-Mini SILVER          | 5,520              | 1,586              | 248.0% | 5,823              | -5.2%  | 22,023               | 7,443                | 195.9%  |
| COMEX GOLD                   | 7,308,583          | 5,738,950          | 27.4%  | 7,142,711          | 2.3%   | 36,515,515           | 44,347,121           | -17.7%  |
| COMEX MINY COPPER            | 1,022              | 418                | 144.5% | 435                | 134.9% | 3,909                | 3,180                | 22.9%   |
| COMEX SILVER                 | 2,651,220          | 2,486,341          | 6.6%   | 1,476,265          | 79.6%  | 10,776,143           | 12,998,931           | -17.1%  |
| COPPER                       | 95                 | 516                | -81.6% | 2,002              | -95.3% | 5,744                | 10,639               | -46.0%  |
| E-MICRO GOLD                 | 491,048            | 112,175            | 337.8% | 174,099            | 182.1% | 1,468,738            | 780,046              | 88.3%   |
| FERROUS PRODUCTS             | 1,317              | 155                | 749.7% | 923                | 42.7%  | 7,667                | 10,455               | -26.7%  |
| GOLD                         | 0                  | 0                  | 0.0%   | 0                  | -      | 0                    | 0                    | 0.0%    |
| Gold Kilo                    | 0                  | 0                  | 0.0%   | 0                  | 0.0%   | 0                    | 136                  | -100.0% |
| IRON ORE 62 CHINA PLATTS FU  | 0                  | 0                  | 0.0%   | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| IRON ORE 62 CHINA TSI FUTURE | 3,755              | 2,766              | 35.8%  | 5,679              | -33.9% | 38,789               | 22,529               | 72.2%   |
| LNDN ZINC                    | 36                 | 1,116              | -96.8% | 108                | -66.7% | 1,230                | 1,293                | -4.9%   |
| NYMEX HOT ROLLED STEEL       | 14,031             | 5,226              | 168.5% | 28,415             | -50.6% | 111,623              | 55,949               | 99.5%   |
| NYMEX PLATINUM               | 593,552            | 652,863            | -9.1%  | 414,824            | 43.1%  | 2,786,755            | 2,822,195            | -1.3%   |
| PALLADIUM                    | 74,368             | 93,661             | -20.6% | 129,839            | -42.7% | 668,549              | 730,624              | -8.5%   |
| SILVER                       | 18,580             | 9,728              | 91.0%  | 14,325             | 29.7%  | 95,506               | 44,542               | 114.4%  |
| URANIUM                      | 1,234              | 431                | 186.3% | 1,175              | 5.0%   | 9,084                | 1,443                | 529.5%  |

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| <b>Metals Options</b>        |                    |                    |         |                    |         |                      |                      |          |
| COMEX COPPER                 | 66,693             | 33,221             | 100.8%  | 50,998             | 30.8%   | 373,816              | 136,737              | 173.4%   |
| COMEX GOLD                   | 2,102,415          | 959,733            | 119.1%  | 1,002,115          | 109.8%  | 6,849,595            | 5,775,079            | 18.6%    |
| COMEX SILVER                 | 186,487            | 191,832            | -2.8%   | 118,247            | 57.7%   | 800,652              | 924,189              | -13.4%   |
| COPPER                       | 140                | 37                 | 278.4%  | 288                | -51.4%  | 644                  | 48                   | 1,241.7% |
| GOLD                         | 195,012            | 42,374             | 360.2%  | 109,723            | 77.7%   | 612,496              | 221,556              | 176.5%   |
| HOT ROLLED COIL STEEL CALL   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 600                  | 0                    | 0.0%     |
| IRON ORE 62 CHINA TSI CALL O | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 6,660                | 200                  | 3,230.0% |
| IRON ORE 62 CHINA TSI PUT OP | 0                  | 200                | -100.0% | 0                  | 0.0%    | 3,600                | 1,280                | 181.3%   |
| NYMEX PLATINUM               | 4,719              | 5,839              | -19.2%  | 4,609              | 2.4%    | 23,918               | 21,610               | 10.7%    |
| PALLADIUM                    | 1,712              | 2,593              | -34.0%  | 1,158              | 47.8%   | 8,335                | 19,167               | -56.5%   |
| SILVER                       | 6,791              | 3,363              | 101.9%  | 4,345              | 56.3%   | 25,412               | 6,342                | 300.7%   |
| <b>Energy Futures</b>        |                    |                    |         |                    |         |                      |                      |          |
| 3.5% FUEL OIL CID MED SWA    | 5                  | 0                  | 0.0%    | 63                 | -92.1%  | 78                   | 452                  | -82.7%   |
| 3.5% FUEL OIL CIF BALMO S    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 20                   | 95                   | -78.9%   |
| AEP-DAYTON HUB DAILY         | 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%     |
| AEP-DAYTON HUB OFF-PEAK M    | 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%     |
| ALGONQUIN CITYGATES BASIS    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| ANR LOUISIANA BASIS SWAP     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| ANR OKLAHOMA                 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| ARGUS LLS VS. WTI (ARG) T    | 5,900              | 24,959             | -76.4%  | 4,565              | 29.2%   | 70,241               | 160,131              | -56.1%   |
| ARGUS PROPAN FAR EST INDE    | 5,678              | 3,472              | 63.5%   | 5,659              | 0.3%    | 37,537               | 36,383               | 3.2%     |
| ARGUS PROPAN(SAUDI ARAMC     | 1,995              | 1,335              | 49.4%   | 2,869              | -30.5%  | 17,382               | 15,127               | 14.9%    |
| AUSTRIALIAN COKE COAL        | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 20                   | -100.0%  |
| BRENT BALMO SWAP             | 200                | 0                  | 0.0%    | 0                  | 0.0%    | 913                  | 50                   | 1,726.0% |
| BRENT CALENDAR SWAP          | 12,231             | 2,727              | 348.5%  | 11,430             | 7.0%    | 36,060               | 23,323               | 54.6%    |
| BRENT CFD SWAP               | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 300                  | -100.0%  |
| BRENT FINANCIAL FUTURES      | 0                  | 2,288              | -100.0% | 22                 | -100.0% | 7,082                | 13,488               | -47.5%   |
| BRENT OIL LAST DAY           | 2,503,878          | 2,192,103          | 14.2%   | 3,157,794          | -20.7%  | 13,113,319           | 11,199,214           | 17.1%    |
| CAISO SP15 EZGNHUB5 MW P     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| CAISO SP15 EZGNHUB5 PEAK     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| CANADIAN LIGHT SWEET OIL     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| CENTERPOINT BASIS SWAP       | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 36                   | -100.0%  |
| CHICAGO ETHANOL SWAP         | 96,843             | 82,702             | 17.1%   | 121,567            | -20.3%  | 653,283              | 625,283              | 4.5%     |
| CHICAGO ULSD (PLATTS) SWA    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| CHICAGO ULSD PL VS HO SPR    | 672                | 662                | 1.5%    | 1,096              | -38.7%  | 3,849                | 1,984                | 94.0%    |
| CHICAGO UNL GAS PL VS RBO    | 200                | 100                | 100.0%  | 0                  | 0.0%    | 875                  | 625                  | 40.0%    |
| CIG BASIS                    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 196                  | -100.0%  |
| CIG ROCKIES NG INDEX SWA     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| CINERGY HUB OFF-PEAK MONT    | 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%     |
| CIN HUB 5MW D AH O PK        | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| CIN HUB 5MW D AH PK          | 442                | 1,604              | -72.4%  | 524                | -15.6%  | 3,182                | 7,580                | -58.0%   |
| CIN HUB 5MW REAL TIME O P    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 3,920                | 0                    | 0.0%     |
| CIN HUB 5MW REAL TIME PK     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 325                  | 0                    | 0.0%     |
| COAL SWAP                    | 0                  | 120                | -100.0% | 0                  | 0.0%    | 0                    | 420                  | -100.0%  |

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## CMEG Exchange Volume Report - Monthly

|                              | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG    | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|------------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>        |                    |                    |         |                    |          |                      |                      |         |
| COLUMB GULF MAINLINE NG B    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 364                  | 0                    | 0.0%    |
| COLUMBIA GULF ONSHORE        | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| CONWAY NATURAL GASOLINE (    | 75                 | 102                | -26.5%  | 124                | -39.5%   | 1,183                | 1,225                | -3.4%   |
| CONWAY NORMAL BUTANE (OPI    | 1,003              | 1,632              | -38.5%  | 635                | 58.0%    | 2,461                | 2,217                | 11.0%   |
| CONWAY PROPANE 5 DECIMALS    | 21,126             | 16,808             | 25.7%   | 17,077             | 23.7%    | 94,998               | 97,566               | -2.6%   |
| CRUDE OIL                    | 2,400              | 6,500              | -63.1%  | 3,000              | -20.0%   | 34,419               | 39,144               | -12.1%  |
| CRUDE OIL OUTRIGHTS          | 53,945             | 58,251             | -7.4%   | 73,621             | -26.7%   | 398,750              | 400,748              | -0.5%   |
| CRUDE OIL PHY                | 23,448,254         | 28,577,603         | -17.9%  | 28,550,032         | -17.9%   | 152,206,700          | 167,796,459          | -9.3%   |
| CRUDE OIL SPRDS              | 22,810             | 38,053             | -40.1%  | 30,347             | -24.8%   | 137,005              | 315,845              | -56.6%  |
| CRUDE OIL TRADE AT MARKER    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| DAILY PJM                    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| DATED BRENT (PLATTS) DAILY S | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| DATED TO FRONTLINE BRENT     | 0                  | 390                | -100.0% | 100                | -100.0%  | 1,000                | 3,050                | -67.2%  |
| DIESEL 10P BRG FOB RDM VS    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 5                    | -100.0% |
| DIESEL 10PPM BARGES FOB B    | 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%    |
| DOMINION TRANSMISSION INC    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 126                  | -100.0% |
| DUBAI CRUDE OIL BALMO        | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 125                  | -100.0% |
| DUBAI CRUDE OIL CALENDAR     | 1,175              | 271                | 333.6%  | 105                | 1,019.0% | 17,048               | 11,952               | 42.6%   |
| DUTCH TTF NATURAL GAS CAL    | 4,217              | 1,102              | 282.7%  | 6,444              | -34.6%   | 41,877               | 6,698                | 525.2%  |
| DY EURO 3.5% FUEL OI RDA     | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| EASTERN RAIL DELIVERY CSX    | 0                  | 45                 | -100.0% | 0                  | 0.0%     | 0                    | 230                  | -100.0% |
| EAST/WEST FUEL OIL SPREAD    | 10                 | 0                  | 0.0%    | 0                  | 0.0%     | 10                   | 157                  | -93.6%  |
| EIA FLAT TAX ONHWAY DIESE    | 686                | 572                | 19.9%   | 500                | 37.2%    | 2,253                | 1,449                | 55.5%   |
| ELEC ERCOT DLY OFF PK        | 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%    |
| ELEC ERCOT OFF PEAK          | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 19,600               | -100.0% |
| ELEC FINSETTLED              | 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%    |
| ELEC NYISO OFF-PEAK          | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| ELECTRICITY ERCOT PEAK       | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK         | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| ELEC WEST POWER OFF-PEAK     | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| ELEC WEST POWER PEAK         | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| ERCOT DAILY 5MW PEAK         | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| ERCOT HOUSTON Z MCPE 5MW     | 0                  | 440                | -100.0% | 0                  | 0.0%     | 0                    | 1,950                | -100.0% |
| ERCOT NORTH ZMCPE 5MW OF     | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| ERCOT NORTH ZMCPE 5MW OF     | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 19,600               | -100.0% |
| ERCOT NORTH ZMCPE 5MW PE     | 0                  | 440                | -100.0% | 0                  | 0.0%     | 0                    | 5,050                | -100.0% |
| ETHANOL                      | 6,965              | 9,346              | -25.5%  | 9,526              | -26.9%   | 56,308               | 56,458               | -0.3%   |
| ETHANOL SWAP                 | 0                  | 90                 | -100.0% | 155                | -100.0%  | 520                  | 130                  | 300.0%  |
| ETHANOL T2 FOB ROTT INCL DU  | 2,207              | 2,587              | -14.7%  | 2,829              | -22.0%   | 21,599               | 18,271               | 18.2%   |
| EURO 1% FUEL OIL NEW BALM    | 0                  | 3                  | -100.0% | 3                  | -100.0%  | 3                    | 23                   | -87.0%  |
| EURO 3.5% FUEL OIL RDAM B    | 6                  | 694                | -99.1%  | 40                 | -85.0%   | 219                  | 4,009                | -94.5%  |
| EURO 3.5% FUEL OIL SPREAD    | 15                 | 130                | -88.5%  | 35                 | -57.1%   | 135                  | 692                  | -80.5%  |
| EURO-DENOMINATED PETRO P     | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| EURO GASOIL 10PPM VS ICE     | 0                  | 5                  | -100.0% | 0                  | 0.0%     | 0                    | 370                  | -100.0% |
| EUROPE 1% FUEL OIL NWE CA    | 6                  | 0                  | 0.0%    | 341                | -98.2%   | 450                  | 318                  | 41.5%   |
| EUROPE 1% FUEL OIL RDAM C    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 3                    | -100.0% |
| EUROPE 3.5% FUEL OIL MED     | 5                  | 0                  | 0.0%    | 62                 | -91.9%   | 353                  | 671                  | -47.4%  |

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## CMEG Exchange Volume Report - Monthly

|                           | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|---------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>     |                    |                    |         |                    |         |                      |                      |         |
| EUROPE 3.5% FUEL OIL RDAM | 604                | 9,436              | -93.6%  | 759                | -20.4%  | 6,893                | 56,637               | -87.8%  |
| EUROPEAN GASOIL (ICE)     | 156                | 551                | -71.7%  | 48                 | 225.0%  | 632                  | 2,999                | -78.9%  |
| EUROPEAN NAPHTHA BALMO    | 159                | 289                | -45.0%  | 110                | 44.5%   | 1,154                | 1,602                | -28.0%  |
| EUROPEAN NAPHTHA CRACK SP | 4,300              | 9,397              | -54.2%  | 3,886              | 10.7%   | 30,100               | 55,665               | -45.9%  |
| EUROPE DATED BRENT SWAP   | 575                | 0                  | 0.0%    | 260                | 121.2%  | 1,633                | 0                    | 0.0%    |
| EUROPE JET KERO NWE CALSW | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 5                    | 15                   | -66.7%  |
| EUROPE NAPHTHA CALSWAP    | 1,246              | 3,267              | -61.9%  | 2,135              | -41.6%  | 13,202               | 19,449               | -32.1%  |
| EURO PROPANE CIF ARA SWA  | 1,921              | 1,386              | 38.6%   | 1,687              | 13.9%   | 12,136               | 11,328               | 7.1%    |
| FLORIDA GAS ZONE3 BASIS S | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| FREIGHT MARKETS           | 1,235              | 327                | 277.7%  | 917                | 34.7%   | 5,427                | 2,996                | 81.1%   |
| FUEL OIL CRACK VS ICE     | 1,100              | 4,411              | -75.1%  | 2,974              | -63.0%  | 9,954                | 28,135               | -64.6%  |
| FUEL OIL NWE CRACK VS ICE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 15                   | 171                  | -91.2%  |
| FUEL OIL (PLATS) CAR CM   | 6                  | 0                  | 0.0%    | 0                  | 0.0%    | 6                    | 154                  | -96.1%  |
| FUEL OIL (PLATS) CAR CN   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 72                   | -100.0% |
| FUELOIL SWAP:CARGOES VS.B | 184                | 89                 | 106.7%  | 382                | -51.8%  | 1,380                | 1,510                | -8.6%   |
| GAS EURO-BOB OXY NWE BARG | 4,428              | 8,708              | -49.2%  | 4,720              | -6.2%   | 39,935               | 48,459               | -17.6%  |
| GAS EURO-BOB OXY NWE BARG | 7,358              | 16,154             | -54.5%  | 8,759              | -16.0%  | 57,786               | 126,424              | -54.3%  |
| GASOIL 0.1 CIF MED SWAP   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOIL 0.1CIF MED VS ICE  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 10                   | -100.0% |
| GASOIL 0.1 CIF NWE VS ISE | 0                  | 0                  | 0.0%    | 5                  | -100.0% | 10                   | 0                    | 0.0%    |
| GASOIL 0.1 CIF VS ICE GAS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOIL 0.1 RDAM BRGS VS I | 6                  | 0                  | 0.0%    | 0                  | 0.0%    | 21                   | 5                    | 320.0%  |
| GASOIL 0.1 ROTTERDAM BARG | 0                  | 185                | -100.0% | 30                 | -100.0% | 103                  | 1,160                | -91.1%  |
| GASOIL 10P CRG CIF NW VS  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOIL 10PPM VS ICE SWAP  | 0                  | 0                  | 0.0%    | 15                 | -100.0% | 39                   | 12                   | 225.0%  |
| GASOIL BULLET SWAP        | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOIL CALENDAR SWAP      | 12                 | 12                 | 0.0%    | 12                 | 0.0%    | 78                   | 48                   | 62.5%   |
| GASOIL CRACK SPREAD CALEN | 3,272              | 3,038              | 7.7%    | 300                | 990.7%  | 4,034                | 31,196               | -87.1%  |
| GASOIL MINI CALENDAR SWAP | 266                | 219                | 21.5%   | 165                | 61.2%   | 1,271                | 886                  | 43.5%   |
| GERMAN POWER BASELOAD CA  | 867                | 0                  | 0.0%    | 2,986              | -71.0%  | 12,292               | 2,076                | 492.1%  |
| GROUP THREE ULSD (PLATTS) | 0                  | 30                 | -100.0% | 0                  | 0.0%    | 0                    | 185                  | -100.0% |
| GROUP THREE UNLEAD GAS (P | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 425                  | -100.0% |
| GRP THREE ULSD(PLT)VS HEA | 2,901              | 3,639              | -20.3%  | 7,091              | -59.1%  | 20,347               | 22,778               | -10.7%  |
| GRP THREE UNL GS (PLT) VS | 1,100              | 970                | 13.4%   | 2,469              | -55.4%  | 18,007               | 11,632               | 54.8%   |
| GULF COAST 3% FUEL OIL BA | 389                | 969                | -59.9%  | 385                | 1.0%    | 4,129                | 8,639                | -52.2%  |
| GULF COAST JET FUEL CLNDR | 0                  | 174                | -100.0% | 0                  | 0.0%    | 267                  | 855                  | -68.8%  |
| GULF COAST JET VS NYM 2 H | 24,016             | 27,568             | -12.9%  | 32,243             | -25.5%  | 132,050              | 244,040              | -45.9%  |
| GULF COAST NO.6 FUEL OIL  | 19,230             | 65,188             | -70.5%  | 23,903             | -19.5%  | 148,481              | 391,844              | -62.1%  |
| GULF COAST ULSD CALENDAR  | 752                | 719                | 4.6%    | 536                | 40.3%   | 2,565                | 1,712                | 49.8%   |
| GULF COAST ULSD CRACK SPR | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,295                | -100.0% |
| HEATING OIL BALMO CLNDR S | 480                | 167                | 187.4%  | 0                  | 0.0%    | 525                  | 223                  | 135.4%  |
| HEATING OIL CRCK SPRD BAL | 0                  | 0                  | -       | 18                 | -100.0% | 18                   | 0                    | -       |
| HEATING OIL PHY           | 3,370,846          | 3,738,044          | -9.8%   | 4,011,830          | -16.0%  | 20,235,303           | 24,223,600           | -16.5%  |
| HENRY HUB BASIS SWAP      | 1,860              | 1,240              | 50.0%   | 4,800              | -61.3%  | 11,248               | 7,432                | 51.3%   |
| HENRY HUB FINANCIAL LAST  | 0                  | 4,422              | -100.0% | 0                  | 0.0%    | 0                    | 14,779               | -100.0% |
| HENRY HUB INDEX SWAP FUTU | 1,860              | 1,240              | 50.0%   | 4,800              | -61.3%  | 11,248               | 7,432                | 51.3%   |
| HENRY HUB SWAP            | 97,368             | 150,203            | -35.2%  | 110,794            | -12.1%  | 704,404              | 1,009,614            | -30.2%  |
| HOUSTON SHIP CHANNEL BASI | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 736                  | 0                    | 0.0%    |
| HTG OIL                   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 48                   | 48                   | 0.0%    |
| HUSTN SHIP CHNL PIPE SWP  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |

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## CMEG Exchange Volume Report - Monthly

|                               | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|-------------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>         |                    |                    |         |                    |         |                      |                      |         |
| ICE BRENT DUBAI SWAP          | 8,880              | 5,310              | 67.2%   | 6,508              | 36.4%   | 34,838               | 63,648               | -45.3%  |
| ICE GASOIL BALMO SWAP         | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| IN DELIVERY MONTH EUA         | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| INDIANA MISO                  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| INDONESIAN COAL               | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| INDONESIAN COAL ICI4          | 235                | 125                | 88.0%   | 370                | -36.5%  | 2,210                | 535                  | 313.1%  |
| ISO NEW ENGLAND OFF-PEAK      | 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%    |
| JAPAN C&F NAPHTHA CRACK S     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 169                  | 1,689                | -90.0%  |
| JAPAN C&F NAPHTHA SWAP        | 759                | 2,328              | -67.4%  | 1,127              | -32.7%  | 7,859                | 12,956               | -39.3%  |
| JAPAN NAPHTHA BALMO SWAP      | 3                  | 23                 | -87.0%  | 0                  | 0.0%    | 279                  | 216                  | 29.2%   |
| JET AV FUEL (P) CAR FM ICE GA | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 5                    | -100.0% |
| JET CIF NWE VS ICE            | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 70                   | 492                  | -85.8%  |
| JET FUEL BRG FOB RDM VS I     | 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%    |
| JET FUEL UP-DOWN BALMO CL     | 5,064              | 4,763              | 6.3%    | 6,855              | -26.1%  | 26,398               | 38,837               | -32.0%  |
| JKM LNG Futures               | 240                | 975                | -75.4%  | 2,880              | -91.7%  | 9,216                | 4,945                | 86.4%   |
| LA CARB DIESEL (OPIS)         | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| LA CARB DIESEL (OPIS) SWA     | 30                 | 300                | -90.0%  | 10                 | 200.0%  | 325                  | 1,750                | -81.4%  |
| LA CARBOB GASOLINE(OPIS)S     | 300                | 0                  | 0.0%    | 325                | -7.7%   | 2,300                | 3,925                | -41.4%  |
| LA JET FUEL VS NYM NO 2 H     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| LA JET (OPIS) SWAP            | 1,510              | 3,260              | -53.7%  | 875                | 72.6%   | 7,880                | 15,140               | -48.0%  |
| LLS (ARGUS) CALENDAR SWAP     | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| LLS (ARGUS) VS WTI SWAP       | 760                | 5,395              | -85.9%  | 830                | -8.4%   | 15,459               | 41,890               | -63.1%  |
| LOS ANGELES CARB GASOLINE     | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| LTD NAT GAS                   | 341,493            | 294,801            | 15.8%   | 280,360            | 21.8%   | 1,925,580            | 2,124,948            | -9.4%   |
| MARS (ARGUS) VS WTI SWAP      | 1,615              | 1,505              | 7.3%    | 1,800              | -10.3%  | 11,380               | 18,550               | -38.7%  |
| MARS (ARGUS) VS WTI TRD M     | 18,752             | 23,259             | -19.4%  | 14,500             | 29.3%   | 119,387              | 165,470              | -27.8%  |
| MARS BLEND CRUDE OIL          | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 2,119                | -100.0% |
| MCCLOSKEY ARA ARGS COAL       | 35,682             | 24,316             | 46.7%   | 28,521             | 25.1%   | 175,393              | 152,708              | 14.9%   |
| MCCLOSKEY RCH BAY COAL        | 2,678              | 3,430              | -21.9%  | 1,503              | 78.2%   | 14,952               | 20,864               | -28.3%  |
| MGF FUT                       | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 130                  | -100.0% |
| MGN1 SWAP FUT                 | 120                | 40                 | 200.0%  | 60                 | 100.0%  | 350                  | 503                  | -30.4%  |
| MICHIGAN BASIS                | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| MICHIGAN MISO                 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| MINI GAS EUROBOB OXY NWE A    | 223                | 431                | -48.3%  | 304                | -26.6%  | 1,230                | 2,134                | -42.4%  |
| MINI RBOB V. EBOBARG NWE BF   | 560                | 446                | 25.6%   | 170                | 229.4%  | 3,500                | 1,809                | 93.5%   |
| MINI RBOB V. EBOB(ARGUS) NW   | 2,381              | 2,030              | 17.3%   | 4,067              | -41.5%  | 14,840               | 9,845                | 50.7%   |
| MINY HTG OIL                  | 3                  | 3                  | 0.0%    | 3                  | 0.0%    | 20                   | 18                   | 11.1%   |
| MINY NATURAL GAS              | 27,384             | 18,636             | 46.9%   | 24,233             | 13.0%   | 157,706              | 167,562              | -5.9%   |
| MINY RBOB GAS                 | 7                  | 4                  | 75.0%   | 6                  | 16.7%   | 37                   | 19                   | 94.7%   |
| MINY WTI CRUDE OIL            | 590,831            | 380,831            | 55.1%   | 512,407            | 15.3%   | 2,658,389            | 1,976,858            | 34.5%   |
| MJC FUT                       | 0                  | 105                | -100.0% | 40                 | -100.0% | 150                  | 1,195                | -87.4%  |
| MNC FUT                       | 3,904              | 3,602              | 8.4%    | 4,137              | -5.6%   | 25,401               | 22,425               | 13.3%   |
| MONT BELVIEU ETHANE 5 DECI    | 18,473             | 15,342             | 20.4%   | 10,108             | 82.8%   | 84,373               | 93,978               | -10.2%  |
| MONT BELVIEU ETHANE OPIS B    | 225                | 80                 | 181.3%  | 95                 | 136.8%  | 1,064                | 860                  | 23.7%   |
| MONT BELVIEU LDH PROPANE 5    | 150,673            | 93,321             | 61.5%   | 138,967            | 8.4%    | 850,120              | 758,231              | 12.1%   |
| MONT BELVIEU LDH PROPANE C    | 3,520              | 2,053              | 71.5%   | 3,998              | -12.0%  | 20,418               | 18,154               | 12.5%   |
| MONT BELVIEU NATURAL GASO     | 6,807              | 7,232              | -5.9%   | 8,244              | -17.4%  | 47,681               | 54,275               | -12.1%  |
| MONT BELVIEU NATURAL GASO     | 935                | 500                | 87.0%   | 405                | 130.9%  | 3,859                | 2,629                | 46.8%   |

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## CMEG Exchange Volume Report - Monthly

|                            | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>      |                    |                    |         |                    |         |                      |                      |         |
| MONT BELVIEU NORMAL BUTAN  | 55,341             | 32,425             | 70.7%   | 57,721             | -4.1%   | 262,837              | 186,267              | 41.1%   |
| MONT BELVIEU NORMAL BUTAN  | 514                | 712                | -27.8%  | 1,839              | -72.1%  | 8,134                | 5,212                | 56.1%   |
| NAT GAS BASIS SWAP         | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NATURAL GAS                | 116,365            | 55,580             | 109.4%  | 106,603            | 9.2%    | 665,558              | 743,814              | -10.5%  |
| NATURAL GAS FIXED PRICE SW | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS INDEX          | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS PEN SWP        | 33,703             | 14,737             | 128.7%  | 36,993             | -8.9%   | 181,573              | 228,346              | -20.5%  |
| NATURAL GAS PHY            | 8,344,210          | 8,010,415          | 4.2%    | 7,049,809          | 18.4%   | 44,911,795           | 54,591,384           | -17.7%  |
| NEPOOL CNCTCT 5MW D AH O   | 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%    |
| NEPOOL INTR HUB 5MW D AH   | 0                  | 9,858              | -100.0% | 0                  | 0.0%    | 16,560               | 83,896               | -80.3%  |
| NEPOOL NE MASS 5MW D AH O  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL NE MASS 5MW D AH P  | 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%    |
| NEPOOL RHODE IL 5MW D AH   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL W CNT MASS 5MW D A  | 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%    |
| NEW ENGLAND HUB PEAK DAIL  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEW YORK ETHANOL SWAP      | 1,077              | 505                | 113.3%  | 855                | 26.0%   | 4,524                | 9,186                | -50.8%  |
| NEW YORK HUB ZONE G PEAK   | 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%    |
| NGPL MID-CONTINENT         | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 1,240                | 400                  | 210.0%  |
| NGPL TEX/OK                | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 2,576                | 22,836               | -88.7%  |
| N ILLINOIS HUB DAILY       | 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%    |
| NO 2 UP-DOWN SPREAD CALEN  | 0                  | 145                | -100.0% | 100                | -100.0% | 675                  | 2,063                | -67.3%  |
| NORTHERN NATURAL GAS DEMA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NORTHERN NATURAL GAS VENTL | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 100                  | -100.0% |
| NORTHERN ILLINOIS OFF-PEA  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NORTHWEST ROCKIES BASIS S  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 3,106                | 0                    | 0.0%    |
| N ROCKIES PIPE SWAP        | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NY1% VS GC SPREAD SWAP     | 180                | 3,064              | -94.1%  | 710                | -74.6%  | 2,655                | 10,640               | -75.0%  |
| NY 2.2% FUEL OIL (PLATTS   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NY 3.0% FUEL OIL (PLATTS   | 0                  | 0                  | 0.0%    | 250                | -100.0% | 775                  | 1,000                | -22.5%  |
| NY HARBOR 1% FUEL OIL BAL  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NY HARBOR HEAT OIL SWP     | 2,357              | 860                | 174.1%  | 6,446              | -63.4%  | 14,981               | 8,416                | 78.0%   |
| NY HARBOR LOW SULPUR GAS   | 0                  | 45                 | -100.0% | 0                  | 0.0%    | 390                  | 2,695                | -85.5%  |
| NY HARBOR RESIDUAL FUEL 1  | 427                | 1,065              | -59.9%  | 597                | -28.5%  | 4,983                | 7,288                | -31.6%  |
| NY HARBOR RESIDUAL FUEL C  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| NYH NO 2 CRACK SPREAD CAL  | 630                | 615                | 2.4%    | 260                | 142.3%  | 2,235                | 6,947                | -67.8%  |
| NYISO A                    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO A OFF-PEAK           | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO CAPACITY             | 0                  | 4                  | -100.0% | 0                  | 0.0%    | 300                  | 772                  | -61.1%  |
| NYISO G                    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO G OFF-PEAK           | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO J                    | 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%    |
| NYISO ZONE A 5MW D AH O P  | 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%    |
| NYISO ZONE C 5MW D AH O P  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |

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## CMEG Exchange Volume Report - Monthly

|                            | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>      |                    |                    |         |                    |         |                      |                      |         |
| NYISO ZONE C 5MW D AH PK   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO ZONE G 5MW D AH O P  | 0                  | 27,200             | -100.0% | 32,704             | -100.0% | 46,384               | 578,534              | -92.0%  |
| NYISO ZONE G 5MW D AH PK   | 0                  | 1,510              | -100.0% | 1,799              | -100.0% | 1,799                | 18,284               | -90.2%  |
| NYISO ZONE J 5MW D AH O P  | 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%    |
| NYMEX ALUMINUM FUTURES     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYMEX ULSD VS NYMEX HO     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 1,450                | 0                    | 0.0%    |
| NY ULSD (ARGUS) VS HEATING | 177                | 0                  | 0.0%    | 74                 | 139.2%  | 1,418                | 134                  | 958.2%  |
| ONEOK OKLAHOMA NG BASIS    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ONTARIO POWER SWAPS        | 0                  | 0                  | 0.0%    | 100                | -100.0% | 100                  | 10                   | 900.0%  |
| PANHANDLE BASIS SWAP FUTU  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 275                  | -100.0% |
| PANHANDLE PIPE SWAP        | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PERMIAN BASIS SWAP         | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PETROCHEMICALS             | 3,543              | 4,193              | -15.5%  | 3,346              | 5.9%    | 20,098               | 31,351               | -35.9%  |
| PETRO CRCKS & SPRDS ASIA   | 75                 | 90                 | -16.7%  | 56                 | 33.9%   | 261                  | 599                  | -56.4%  |
| PETRO CRCKS & SPRDS NA     | 36,221             | 58,294             | -37.9%  | 36,622             | -1.1%   | 247,167              | 288,078              | -14.2%  |
| PETRO CRK&SPRD EURO        | 1,815              | 8,494              | -78.6%  | 2,300              | -21.1%  | 21,366               | 57,585               | -62.9%  |
| PETROLEUM PRODUCTS         | 2,094              | 2,756              | -24.0%  | 3,510              | -40.3%  | 19,093               | 28,324               | -32.6%  |
| PETROLEUM PRODUCTS ASIA    | 1,548              | 1,355              | 14.2%   | 1,925              | -19.6%  | 10,083               | 12,995               | -22.4%  |
| PETRO OUTRIGHT EURO        | 3,455              | 4,762              | -27.4%  | 4,711              | -26.7%  | 23,778               | 31,956               | -25.6%  |
| PETRO OUTRIGHT NA          | 5,878              | 7,117              | -17.4%  | 8,309              | -29.3%  | 38,040               | 43,440               | -12.4%  |
| PJM AD HUB 5MW REAL TIME   | 23,700             | 0                  | 0.0%    | 24,645             | -3.8%   | 119,740              | 35,545               | 236.9%  |
| PJM AECO DA OFF-PEAK       | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM AECO DA PEAK           | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM APS ZONE DA OFF-PEAK   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM APS ZONE DA PEAK       | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM ATSI ELEC              | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PJM BGE DA OFF-PEAK        | 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%    |
| PJM COMED 5MW D AH O PK    | 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%    |
| PJM DAILY                  | 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%    |
| PJM DAYTON DA PEAK         | 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%    |
| PJM JCPL DA PEAK           | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM MONTHLY                | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PJM NI HUB 5MW REAL TIME   | 0                  | 0                  | 0.0%    | 24,645             | -100.0% | 24,645               | 5,100                | 383.2%  |
| PJM NILL DA OFF-PEAK       | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PJM NILL DA PEAK           | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 22                   | -100.0% |
| PJM OFF-PEAK LMP SWAP FUT  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PJM PECO ZONE5MW PEAK CAL  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| PJM PPL DA OFF-PEAK        | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PJM PPL DA PEAK            | 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%    |
| PJM PSEG DA PEAK           | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PJM WESTH DA OFF-PEAK      | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 78,410               | -100.0% |
| PJM WESTHDA PEAK           | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 4,250                | -100.0% |
| PJM WESTH RT OFF-PEAK      | 23,700             | 23,200             | 2.2%    | 0                  | 0.0%    | 47,100               | 294,000              | -84.0%  |
| PJM WESTH RT PEAK          | 6,656              | 3,180              | 109.3%  | 19,941             | -66.6%  | 46,576               | 39,349               | 18.4%   |

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## CMEG Exchange Volume Report - Monthly

|                             | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG    | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|-----------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>       |                    |                    |         |                    |          |                      |                      |         |
| PLASTICS                    | 435                | 522                | -16.7%  | 760                | -42.8%   | 4,560                | 2,454                | 85.8%   |
| PREMIUM UNLD 10P FOB MED    | 30                 | 95                 | -68.4%  | 50                 | -40.0%   | 740                  | 1,533                | -51.7%  |
| PREMIUM UNLEAD 10PPM FOB    | 0                  | 75                 | -100.0% | 0                  | 0.0%     | 18                   | 324                  | -94.4%  |
| PREM UNL GAS 10PPM RDAM F   | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 20                   | 80                   | -75.0%  |
| PREM UNL GAS 10PPM RDAM F   | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 30                   | 64                   | -53.1%  |
| PROPANE NON-LDH MB (OPIS) B | 1,482              | 525                | 182.3%  | 75                 | 1,876.0% | 9,731                | 3,181                | 205.9%  |
| PROPANE NON-LDH MT. BEL (OF | 16,233             | 11,589             | 40.1%   | 15,918             | 2.0%     | 104,670              | 72,532               | 44.3%   |
| RBOB CALENDAR SWAP          | 5,671              | 7,611              | -25.5%  | 9,901              | -42.7%   | 40,086               | 29,861               | 34.2%   |
| RBOB CRACK SPREAD           | 1,520              | 1,015              | 49.8%   | 2,100              | -27.6%   | 8,165                | 8,193                | -0.3%   |
| RBOB CRACK SPREAD BALMO S   | 0                  | 0                  | 0.0%    | 25                 | -100.0%  | 25                   | 0                    | 0.0%    |
| RBOB GAS                    | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 60                   | 14,338               | -99.6%  |
| RBOB GASOLINE BALMO CLNDR   | 1,117              | 1,005              | 11.1%   | 805                | 38.8%    | 6,223                | 7,793                | -20.1%  |
| RBOB PHY                    | 4,270,153          | 4,174,973          | 2.3%    | 4,833,496          | -11.7%   | 26,985,024           | 24,909,845           | 8.3%    |
| RBOB SPREAD (PLATTS) SWAP   | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| RBOB VS HEATING OIL SWAP    | 0                  | 825                | -100.0% | 0                  | 0.0%     | 75                   | 1,975                | -96.2%  |
| SAN JUAN BASIS SWAP         | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 31                   | -100.0% |
| SAN JUAN PIPE SWAP          | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 360                  | -100.0% |
| SINGAPORE 180CST BALMO      | 5                  | 40                 | -87.5%  | 10                 | -50.0%   | 78                   | 335                  | -76.7%  |
| SINGAPORE 380CST BALMO      | 26                 | 215                | -87.9%  | 26                 | 0.0%     | 250                  | 1,203                | -79.2%  |
| SINGAPORE 380CST FUEL OIL   | 3,293              | 13,453             | -75.5%  | 3,620              | -9.0%    | 19,254               | 53,767               | -64.2%  |
| SINGAPORE FUEL 180CST CAL   | 253                | 680                | -62.8%  | 206                | 22.8%    | 1,780                | 5,842                | -69.5%  |
| SINGAPORE FUEL OIL SPREAD   | 87                 | 413                | -78.9%  | 28                 | 210.7%   | 360                  | 5,311                | -93.2%  |
| SINGAPORE GASOIL            | 5,339              | 4,528              | 17.9%   | 5,119              | 4.3%     | 32,291               | 33,964               | -4.9%   |
| SINGAPORE GASOIL CALENDAR   | 105                | 100                | 5.0%    | 174                | -39.7%   | 968                  | 5,024                | -80.7%  |
| SINGAPORE GASOIL SWAP       | 1,109              | 4,220              | -73.7%  | 558                | 98.7%    | 6,588                | 26,703               | -75.3%  |
| SINGAPORE GASOIL VS ICE     | 0                  | 6,325              | -100.0% | 0                  | 0.0%     | 4,340                | 93,060               | -95.3%  |
| SINGAPORE JET KERO BALMO    | 0                  | 50                 | -100.0% | 0                  | 0.0%     | 0                    | 215                  | -100.0% |
| SINGAPORE JET KERO GASOIL   | 0                  | 2,325              | -100.0% | 0                  | 0.0%     | 100                  | 24,845               | -99.6%  |
| SINGAPORE JET KEROSENE SW   | 880                | 1,595              | -44.8%  | 400                | 120.0%   | 3,865                | 6,990                | -44.7%  |
| SINGAPORE JET KERO VS. GAS  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 25                   | -100.0% |
| SINGAPORE MOGAS 92 UNLEAD   | 50                 | 250                | -80.0%  | 0                  | 0.0%     | 1,425                | 2,563                | -44.4%  |
| SINGAPORE MOGAS 92 UNLEAD   | 4,892              | 17,956             | -72.8%  | 4,532              | 7.9%     | 75,824               | 90,240               | -16.0%  |
| SINGAPORE NAPHTHA SWAP      | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 200                  | -100.0% |
| SING FUEL                   | 0                  | 15                 | -100.0% | 0                  | 0.0%     | 0                    | 80                   | -100.0% |
| SOCAL PIPE SWAP             | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| SONAT BASIS SWAP FUTURE     | 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%    |
| Sumas Basis Swap            | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 91                   | -100.0% |
| SUMAS NAT GAS PLATTS FIXED  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| TC2 ROTTERDAM TO USAC 37K   | 314                | 0                  | 0.0%    | 130                | 141.5%   | 1,424                | 548                  | 159.9%  |
| TC5 RAS TANURA TO YOKOHAM   | 206                | 0                  | 0.0%    | 225                | -8.4%    | 1,951                | 240                  | 712.9%  |
| TCO BASIS SWAP              | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| TCO NG INDEX SWAP           | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| TD3 MEG TO JAPAN 250K MT    | 6,260              | 2,060              | 203.9%  | 6,975              | -10.3%   | 28,221               | 4,970                | 467.8%  |
| TENNESSEE 500 LEG BASIS S   | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| TENNESSEE 800 LEG NG BASI   | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| TENNESSEE ZONE 0 BASIS SW   | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| TETCO M-3 INDEX             | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| Tetco STX Basis             | 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%    |

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## CMEG Exchange Volume Report - Monthly

|                             | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|-----------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>       |                    |                    |         |                    |         |                      |                      |         |
| TEXAS GAS ZONE1 NG BASIS    | 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%    |
| TRANSCO ZONE 3 NG INDEX S   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| TRANSCO ZONE4 BASIS SWAP    | 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%    |
| TRANSCO ZONE 6 BASIS SWAP   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| TRANSCO ZONE 6 INDEX        | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| UCM FUT                     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 20                   | 50                   | -60.0%  |
| UK NBP NAT GAS CAL MTH FUT  | 0                  | 9,239              | -100.0% | 20                 | -100.0% | 3,149                | 33,034               | -90.5%  |
| ULSD 10PPM CIF MED SWAP     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ULSD 10PPM CIF MED VS ICE   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 14                   | -100.0% |
| ULSD 10PPM CIF NW BALMO S   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ULSD UP-DOWN BALMO SWP      | 4,600              | 4,405              | 4.4%    | 4,475              | 2.8%    | 32,545               | 31,445               | 3.5%    |
| UP DOWN GC ULSD VS NMX HO   | 32,158             | 24,594             | 30.8%   | 38,337             | -16.1%  | 173,994              | 195,740              | -11.1%  |
| WAHA BASIS                  | 0                  | 0                  | 0.0%    | 150                | -100.0% | 650                  | 3,201                | -79.7%  |
| WAHA INDEX SWAP FUTURE      | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| WESTERN RAIL DELIVERY PRB   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 15                   | -100.0% |
| WTI-BRENT BULLET SWAP       | 0                  | 350                | -100.0% | 0                  | 0.0%    | 864                  | 6,650                | -87.0%  |
| WTI-BRENT CALENDAR SWAP     | 38,949             | 20,630             | 88.8%   | 40,822             | -4.6%   | 219,979              | 211,827              | 3.8%    |
| WTI CALENDAR                | 28,367             | 22,480             | 26.2%   | 40,368             | -29.7%  | 260,717              | 205,006              | 27.2%   |
| WTS (ARGUS) VS WTI SWAP     | 4,090              | 7,997              | -48.9%  | 13,779             | -70.3%  | 30,922               | 48,257               | -35.9%  |
| WTS (ARGUS) VS WTI TRD MT   | 175                | 588                | -70.2%  | 780                | -77.6%  | 4,933                | 1,950                | 153.0%  |
| <b>Energy Options</b>       |                    |                    |         |                    |         |                      |                      |         |
| 12 MO GASOIL CAL SWAP SPR   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| BRENT 1 MONTH CAL           | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 3,000                | -100.0% |
| BRENT CALENDAR SWAP         | 690                | 2,765              | -75.0%  | 2,100              | -67.1%  | 3,030                | 4,305                | -29.6%  |
| BRENT CRUDE OIL 12 M CSO    | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 2,000                | -100.0% |
| BRENT CRUDE OIL 1 M CSO     | 1,500              | 55,164             | -97.3%  | 1,050              | 42.9%   | 32,650               | 371,538              | -91.2%  |
| BRENT CRUDE OIL 6 M CSO     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,000                | -100.0% |
| BRENT OIL LAST DAY          | 129,122            | 184,665            | -30.1%  | 227,057            | -43.1%  | 902,430              | 920,358              | -1.9%   |
| COAL API2 INDEX             | 25                 | 1,245              | -98.0%  | 50                 | -50.0%  | 670                  | 7,105                | -90.6%  |
| COAL API4 INDEX             | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 85                   | -100.0% |
| COAL SWAP                   | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CRUDE OIL                   | 0                  | 0                  | -       | 0                  | 0.0%    | 150                  | 0                    | -       |
| CRUDE OIL 1MO               | 91,750             | 312,400            | -70.6%  | 303,200            | -69.7%  | 1,401,411            | 1,362,110            | 2.9%    |
| CRUDE OIL APO               | 47,657             | 30,612             | 55.7%   | 27,784             | 71.5%   | 309,041              | 326,023              | -5.2%   |
| CRUDE OIL CALNDR STRIP      | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 200                  | 170                  | 17.6%   |
| CRUDE OIL OUTRIGHTS         | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 960                  | 0                    | 0.0%    |
| CRUDE OIL PHY               | 3,359,893          | 3,400,113          | -1.2%   | 3,714,802          | -9.6%   | 16,747,956           | 22,636,351           | -26.0%  |
| ELEC MISO PEAK              | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ETHANOL                     | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 425                  | -100.0% |
| ETHANOL SWAP                | 9,778              | 9,183              | 6.5%    | 11,608             | -15.8%  | 53,375               | 53,108               | 0.5%    |
| EUROPEAN JET KEROSENE NW    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOLINE                    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| HEATING OIL CRACK OPTIONS   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| HEATING OIL CRK SPD AVG PRI | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| HEATING OIL PHY             | 38,505             | 27,216             | 41.5%   | 40,714             | -5.4%   | 179,415              | 188,261              | -4.7%   |
| HENRY HUB FINANCIAL LAST    | 2,701              | 2,912              | -7.2%   | 9,252              | -70.8%  | 41,923               | 20,771               | 101.8%  |

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## CMEG Exchange Volume Report - Monthly

|                            | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG    | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|----------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Options</b>      |                    |                    |         |                    |          |                      |                      |         |
| HO 1 MONTH CLNDR OPTIONS   | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 2,150                | 0                    | 0.0%    |
| LLS CRUDE OIL              | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 100                  | -100.0% |
| MCCLOSKEY ARA ARGS COAL    | 0                  | 30                 | -100.0% | 0                  | 0.0%     | 130                  | 255                  | -49.0%  |
| MCCLOSKEY RCH BAY COAL     | 300                | 0                  | 0.0%    | 100                | 200.0%   | 670                  | 1,875                | -64.3%  |
| NATURAL GAS                | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| NATURAL GAS 1 M CSO FIN    | 13,300             | 14,703             | -9.5%   | 19,475             | -31.7%   | 207,275              | 237,645              | -12.8%  |
| NATURAL GAS 2 M CSO FIN    | 550                | 1,000              | -45.0%  | 75                 | 633.3%   | 2,375                | 1,000                | 137.5%  |
| NATURAL GAS 3 M CSO FIN    | 38,650             | 5,450              | 609.2%  | 15,100             | 156.0%   | 84,350               | 34,896               | 141.7%  |
| NATURAL GAS 5 M CSO FIN    | 850                | 0                  | 0.0%    | 250                | 240.0%   | 1,100                | 2,550                | -56.9%  |
| NATURAL GAS 6 M CSO FIN    | 1,250              | 2,000              | -37.5%  | 4,100              | -69.5%   | 33,725               | 67,650               | -50.1%  |
| NATURAL GAS OPTION ON CALE | 800                | 200                | 300.0%  | 600                | 33.3%    | 9,100                | 19,508               | -53.4%  |
| NATURAL GAS PHY            | 1,631,070          | 1,290,213          | 26.4%   | 1,408,607          | 15.8%    | 9,248,266            | 12,169,992           | -24.0%  |
| NATURAL GAS WINTER STRIP   | 0                  | 0                  | -       | 1,300              | -100.0%  | 1,300                | 0                    | -       |
| N ROCKIES PIPE SWAP        | 546                | 224                | 143.8%  | 546                | 0.0%     | 2,118                | 960                  | 120.6%  |
| NY HARBOR HEAT OIL SWP     | 3,457              | 1,549              | 123.2%  | 6,691              | -48.3%   | 15,022               | 17,187               | -12.6%  |
| NYISO ZONE G 5MW PEAK OPTI | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| NYMEX EUROPEAN GASOIL APO  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| PANHANDLE PIPE SWAP        | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| PETROCHEMICALS             | 2,711              | 525                | 416.4%  | 260                | 942.7%   | 4,975                | 4,716                | 5.5%    |
| PETRO OUTRIGHT EURO        | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 24                   | 0                    | 0.0%    |
| PETRO OUTRIGHT NA          | 120                | 0                  | 0.0%    | 0                  | 0.0%     | 120                  | 0                    | 0.0%    |
| PJM WES HUB PEAK CAL MTH   | 380                | 60                 | 533.3%  | 0                  | 0.0%     | 540                  | 1,190                | -54.6%  |
| PJM WES HUB PEAK LMP 50MW  | 0                  | 983                | -100.0% | 0                  | 0.0%     | 836                  | 6,322                | -86.8%  |
| RBOB 1MO CAL SPD OPTIONS   | 0                  | 200                | -100.0% | 0                  | 0.0%     | 150                  | 700                  | -78.6%  |
| RBOB CALENDAR SWAP         | 24                 | 0                  | 0.0%    | 0                  | 0.0%     | 261                  | 965                  | -73.0%  |
| RBOB CRACK                 | 0                  | 0                  | -       | 0                  | 0.0%     | 0                    | 0                    | -       |
| RBOB PHY                   | 17,365             | 14,398             | 20.6%   | 19,270             | -9.9%    | 104,205              | 74,762               | 39.4%   |
| ROTTERDAM 3.5%FUEL OIL CL  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| SAN JUAN PIPE SWAP         | 364                | 186                | 95.7%   | 910                | -60.0%   | 1,274                | 1,422                | -10.4%  |
| SHORT TERM                 | 300                | 932                | -67.8%  | 17                 | 1,664.7% | 2,143                | 5,900                | -63.7%  |
| SHORT TERM NATURAL GAS     | 655                | 3,561              | -81.6%  | 604                | 8.4%     | 5,284                | 15,542               | -66.0%  |
| SINGAPORE GASOIL CALENDAR  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| SINGAPORE JET FUEL CALEND  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| SOCAL PIPE SWAP            | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| WTI-BRENT BULLET SWAP      | 34,650             | 62,223             | -44.3%  | 50,150             | -30.9%   | 316,580              | 684,702              | -53.8%  |
| WTI CRUDE OIL 1 M CSO FI   | 55,550             | 91,300             | -39.2%  | 48,415             | 14.7%    | 365,265              | 495,050              | -26.2%  |

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|                        | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG    | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>FX Futures</b>      |                    |                    |         |                    |          |                      |                      |         |
| AD/CD CROSS RATES      | 2                  | 7                  | -71.4%  | 31                 | -93.5%   | 104                  | 46                   | 126.1%  |
| AD/JY CROSS RATES      | 3,685              | 4,957              | -25.7%  | 4,328              | -14.9%   | 19,783               | 23,945               | -17.4%  |
| AD/NE CROSS RATES      | 130                | 66                 | 97.0%   | 137                | -5.1%    | 508                  | 452                  | 12.4%   |
| AUSTRALIAN DOLLAR      | 2,542,722          | 2,475,362          | 2.7%    | 2,192,811          | 16.0%    | 13,188,487           | 14,665,243           | -10.1%  |
| BDI                    | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| BP/JY CROSS RATES      | 4,190              | 2,707              | 54.8%   | 3,162              | 32.5%    | 15,551               | 20,886               | -25.5%  |
| BP/SF CROSS RATES      | 430                | 279                | 54.1%   | 588                | -26.9%   | 2,454                | 1,969                | 24.6%   |
| BRAZIL REAL            | 148,499            | 185,326            | -19.9%  | 187,252            | -20.7%   | 849,478              | 860,822              | -1.3%   |
| BRITISH POUND          | 2,398,644          | 3,023,664          | -20.7%  | 2,340,748          | 2.5%     | 14,559,701           | 16,809,035           | -13.4%  |
| CANADIAN DOLLAR        | 1,939,319          | 2,133,474          | -9.1%   | 1,735,073          | 11.8%    | 9,861,681            | 11,082,237           | -11.0%  |
| CD/JY CROSS RATES      | 0                  | 14                 | -100.0% | 54                 | -100.0%  | 119                  | 978                  | -87.8%  |
| CHINESE RENMINBI (CNH) | 28,773             | 2,816              | 921.8%  | 31,669             | -9.1%    | 155,619              | 14,666               | 961.1%  |
| CZECK KORUNA (EC)      | 8                  | 0                  | -       | 0                  | 0.0%     | 18                   | 0                    | -       |
| CZECK KORUNA (US)      | 0                  | 0                  | -       | 0                  | 0.0%     | 0                    | 0                    | -       |
| EC/AD CROSS RATES      | 12,354             | 5,026              | 145.8%  | 3,377              | 265.8%   | 33,807               | 12,570               | 168.9%  |
| EC/CD CROSS RATES      | 7,512              | 7,578              | -0.9%   | 2,232              | 236.6%   | 20,252               | 25,824               | -21.6%  |
| EC/NOK CROSS RATES     | 1,404              | 642                | 118.7%  | 730                | 92.3%    | 3,806                | 2,179                | 74.7%   |
| EC/SEK CROSS RATES     | 1,998              | 2,317              | -13.8%  | 372                | 437.1%   | 5,195                | 5,547                | -6.3%   |
| EFX/BP CROSS RATES     | 131,241            | 151,799            | -13.5%  | 75,914             | 72.9%    | 573,421              | 539,003              | 6.4%    |
| EFX/JY CROSS RATES     | 115,361            | 151,052            | -23.6%  | 46,519             | 148.0%   | 418,732              | 576,654              | -27.4%  |
| EFX/SF CROSS RATES     | 59,072             | 41,955             | 40.8%   | 31,008             | 90.5%    | 213,946              | 186,601              | 14.7%   |
| E-MICRO AUD/USD        | 84,530             | 90,324             | -6.4%   | 109,083            | -22.5%   | 695,440              | 597,599              | 16.4%   |
| E-MICRO CAD/USD        | 19,231             | 21,847             | -12.0%  | 19,444             | -1.1%    | 101,076              | 112,649              | -10.3%  |
| E-MICRO CHF/USD        | 2,720              | 1,644              | 65.5%   | 1,787              | 52.2%    | 11,689               | 8,260                | 41.5%   |
| E-MICRO EUR/USD        | 259,691            | 419,734            | -38.1%  | 228,070            | 13.9%    | 1,515,470            | 2,463,981            | -38.5%  |
| E-MICRO GBP/USD        | 31,001             | 41,991             | -26.2%  | 30,393             | 2.0%     | 255,902              | 312,086              | -18.0%  |
| E-MICRO INR/USD        | 3,555              | 5,877              | -39.5%  | 3,793              | -6.3%    | 27,707               | 24,550               | 12.9%   |
| E-MICRO JPY/USD        | 27,801             | 28,472             | -2.4%   | 32,131             | -13.5%   | 168,077              | 199,307              | -15.7%  |
| E-MINI EURO FX         | 144,623            | 154,498            | -6.4%   | 90,737             | 59.4%    | 602,733              | 673,020              | -10.4%  |
| E-MINI JAPANESE YEN    | 9,904              | 17,734             | -44.2%  | 8,583              | 15.4%    | 63,116               | 80,954               | -22.0%  |
| EURO FX                | 5,625,929          | 7,459,472          | -24.6%  | 3,879,460          | 45.0%    | 26,407,137           | 36,632,776           | -27.9%  |
| HUNGARIAN FORINT (EC)  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 18                   | -100.0% |
| HUNGARIAN FORINT (US)  | 0                  | 0                  | -       | 2                  | -100.0%  | 8                    | 0                    | -       |
| INDIAN RUPEE           | 61,878             | 102,016            | -39.3%  | 50,778             | 21.9%    | 414,721              | 556,767              | -25.5%  |
| JAPANESE YEN           | 3,162,448          | 3,097,732          | 2.1%    | 3,223,010          | -1.9%    | 16,098,717           | 19,458,311           | -17.3%  |
| KOREAN WON             | 1,564              | 518                | 201.9%  | 835                | 87.3%    | 4,577                | 1,819                | 151.6%  |
| MEXICAN PESO           | 1,644,283          | 1,835,238          | -10.4%  | 1,381,545          | 19.0%    | 8,121,169            | 8,752,905            | -7.2%   |
| NEW ZEALND DOLLAR      | 728,710            | 653,382            | 11.5%   | 551,622            | 32.1%    | 3,593,500            | 4,085,044            | -12.0%  |
| NKR/USD CROSS RATE     | 10,261             | 7,109              | 44.3%   | 4,405              | 132.9%   | 30,207               | 27,837               | 8.5%    |
| POLISH ZLOTY (EC)      | 4                  | 11                 | -63.6%  | 8                  | -50.0%   | 444                  | 75                   | 492.0%  |
| POLISH ZLOTY (US)      | 181                | 75                 | 141.3%  | 60                 | 201.7%   | 742                  | 642                  | 15.6%   |
| RMB USD                | 0                  | 1                  | -100.0% | 3                  | -100.0%  | 5                    | 17                   | -70.6%  |
| RUSSIAN RUBLE          | 181,268            | 63,489             | 185.5%  | 44,799             | 304.6%   | 502,576              | 398,266              | 26.2%   |
| S.AFRICAN RAND         | 65,721             | 59,250             | 10.9%   | 38,209             | 72.0%    | 266,137              | 280,894              | -5.3%   |
| SF/JY CROSS RATES      | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 7                    | 192                  | -96.4%  |
| SHEKEL                 | 0                  | 774                | -100.0% | 0                  | 0.0%     | 0                    | 2,536                | -100.0% |
| SKR/USD CROSS RATES    | 6,292              | 7,724              | -18.5%  | 2,264              | 177.9%   | 20,923               | 27,998               | -25.3%  |
| SWISS FRANC            | 809,649            | 699,439            | 15.8%   | 526,265            | 53.8%    | 3,349,900            | 3,716,041            | -9.9%   |
| TURKISH LIRA           | 3,724              | 12,187             | -69.4%  | 120                | 3,003.3% | 7,930                | 32,792               | -75.8%  |
| USDZAR                 | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 20                   | 5                    | 300.0%  |

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## CMEG Exchange Volume Report - Monthly

|                                 | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG   |
|---------------------------------|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>FX Options</b>               |                    |                    |         |                    |         |                      |                      |         |
| AUD/USD PQO 2pm Fix             | 83,833             | 128,745            | -34.9%  | 135,108            | -38.0%  | 616,540              | 810,163              | -23.9%  |
| AUSTRALIAN DLR (EU)             | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| AUSTRALIAN DOLLAR               | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| BRAZIL REAL                     | 2                  | 0                  | -       | 54                 | -96.3%  | 56                   | 0                    | -       |
| BRITISH POUND                   | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| BRITISH POUND (EU)              | 0                  | 13                 | -100.0% | 0                  | 0.0%    | 0                    | 241                  | -100.0% |
| CAD/USD PQO 2pm Fix             | 100,517            | 185,928            | -45.9%  | 108,433            | -7.3%   | 638,520              | 1,063,459            | -40.0%  |
| CANADIAN DOLLAR                 | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| CANADIAN DOLLAR (EU)            | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 63                   | -100.0% |
| CHF/USD PQO 2pm Fix             | 4,557              | 5,418              | -15.9%  | 2,183              | 108.7%  | 17,909               | 18,670               | -4.1%   |
| EFX/BP CROSS RATES              | 0                  | 0                  | -       | 0                  | 0.0%    | 74                   | 0                    | -       |
| EFX/JY CROSS RATES              | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 2,870                | -100.0% |
| EURO FX                         | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| EURO FX (EU)                    | 0                  | 3                  | -100.0% | 0                  | 0.0%    | 0                    | 31                   | -100.0% |
| EUR/USD PQO 2pm Fix             | 545,813            | 750,667            | -27.3%  | 530,810            | 2.8%    | 3,248,485            | 5,021,076            | -35.3%  |
| GBP/USD PQO 2pm Fix             | 86,371             | 231,950            | -62.8%  | 153,995            | -43.9%  | 1,059,005            | 1,492,680            | -29.1%  |
| JAPANESE YEN                    | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| JAPANESE YEN (EU)               | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| JPY/USD PQO 2pm Fix             | 205,378            | 221,680            | -7.4%   | 275,713            | -25.5%  | 1,274,854            | 1,611,374            | -20.9%  |
| MEXICAN PESO                    | 2,488              | 2,983              | -16.6%  | 1,526              | 63.0%   | 10,140               | 13,570               | -25.3%  |
| NEW ZEALND DOLLAR               | 136                | 0                  | -       | 120                | 13.3%   | 2,589                | 0                    | -       |
| SWISS FRANC                     | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| SWISS FRANC (EU)                | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| <b>Aggs Futures</b>             |                    |                    |         |                    |         |                      |                      |         |
| FERTILIZER PRODUCS              | 1,855              | 1,170              | 58.5%   | 1,500              | 23.7%   | 8,955                | 6,735                | 33.0%   |
| <b>Foreign Exchange Futures</b> |                    |                    |         |                    |         |                      |                      |         |
| CHILEAN PESO                    | 0                  | 507                | -100.0% | 10                 | -100.0% | 410                  | 13,248               | -96.9%  |
| <b>Foreign Exchange Options</b> |                    |                    |         |                    |         |                      |                      |         |
| AUD/USD PQO 2pm Fix             | 380                | 1,041              | -63.5%  | 982                | -61.3%  | 5,386                | 4,905                | 9.8%    |

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## CMEG Exchange Volume Report - Monthly

|                             | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG   | VOLUME<br>MAY 2019 | % CHG    | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG  |
|-----------------------------|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|--------|
| <b>Ag Products Futures</b>  |                    |                    |         |                    |          |                      |                      |        |
| BUTTER CS                   | 3,136              | 4,941              | -36.5%  | 4,259              | -26.4%   | 22,482               | 27,317               | -17.7% |
| CASH-SETTLED CHEESE         | 9,806              | 14,985             | -34.6%  | 9,112              | 7.6%     | 67,893               | 60,735               | 11.8%  |
| CATTLE                      | 1,132,693          | 1,170,325          | -3.2%   | 1,760,772          | -35.7%   | 8,910,128            | 8,339,148            | 6.8%   |
| CAT WEATHER EUROPEAN        | 0                  | 0                  | -       | 1,200              | -100.0%  | 3,200                | 0                    | -      |
| CDD SEASONAL STRIP          | 0                  | 550                | -100.0% | 0                  | 0.0%     | 450                  | 600                  | -25.0% |
| CDD WEATHER                 | 150                | 0                  | 0.0%    | 4,925              | -97.0%   | 7,175                | 2,150                | 233.7% |
| CHI WHEAT                   | 3,497,935          | 4,219,668          | -17.1%  | 2,879,585          | 21.5%    | 17,387,075           | 20,585,977           | -15.5% |
| CLASS IV MILK               | 1,957              | 675                | 189.9%  | 2,117              | -7.6%    | 15,752               | 3,636                | 333.2% |
| COCOA TAS                   | 8                  | 0                  | 0.0%    | 0                  | 0.0%     | 8                    | 5                    | 60.0%  |
| COFFEE                      | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%   |
| CORN                        | 13,195,067         | 11,485,786         | 14.9%   | 13,559,792         | -2.7%    | 61,327,543           | 55,947,845           | 9.6%   |
| COTTON                      | 6                  | 0                  | 0.0%    | 6                  | 0.0%     | 15                   | 2                    | 650.0% |
| DJ_UBS ROLL SELECT INDEX FU | 3,604              | 5,902              | -38.9%  | 112                | 3,117.9% | 7,492                | 10,496               | -28.6% |
| DOW-UBS COMMOD INDEX        | 120,834            | 189,005            | -36.1%  | 44,812             | 169.6%   | 322,081              | 540,058              | -40.4% |
| DRY WHEY                    | 1,180              | 1,808              | -34.7%  | 1,482              | -20.4%   | 8,333                | 7,872                | 5.9%   |
| FEEDER CATTLE               | 278,936            | 244,093            | 14.3%   | 337,636            | -17.4%   | 1,878,439            | 1,735,761            | 8.2%   |
| FERTILIZER PRODUCTS         | 2,050              | 2,985              | -31.3%  | 2,385              | -14.0%   | 12,375               | 14,165               | -12.6% |
| GOLDMAN SACHS               | 27,823             | 33,276             | -16.4%  | 28,163             | -1.2%    | 173,417              | 191,679              | -9.5%  |
| GSCI EXCESS RETURN FUT      | 89,953             | 111,101            | -19.0%  | 5,673              | 1,485.6% | 218,172              | 239,485              | -8.9%  |
| HDD EURO SEASONAL STRIP     | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%   |
| HDD SEASONAL STRIP          | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| HDD WEATHER                 | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 2,100                | 505                  | 315.8% |
| HDD WEATHER EUROPEAN        | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 3,000                | 0                    | 0.0%   |
| HOGS                        | 1,417,134          | 1,312,538          | 8.0%    | 1,435,164          | -1.3%    | 8,016,831            | 6,589,984            | 21.7%  |
| HOUSING INDEX               | 2                  | 15                 | -86.7%  | 3                  | -33.3%   | 71                   | 52                   | 36.5%  |
| Intercommodity Spread       | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| KC WHEAT                    | 1,551,492          | 1,620,248          | -4.2%   | 1,391,891          | 11.5%    | 8,272,505            | 8,819,231            | -6.2%  |
| LUMBER                      | 16,484             | 23,128             | -28.7%  | 13,524             | 21.9%    | 87,657               | 120,153              | -27.0% |
| MALAYSIAN PALM SWAP         | 760                | 11,330             | -93.3%  | 5,260              | -85.6%   | 15,420               | 28,550               | -46.0% |
| MILK                        | 22,034             | 33,116             | -33.5%  | 24,669             | -10.7%   | 148,622              | 133,272              | 11.5%  |
| MINI CORN                   | 27,326             | 12,076             | 126.3%  | 26,659             | 2.5%     | 84,681               | 65,374               | 29.5%  |
| MINI SOYBEAN                | 20,738             | 20,009             | 3.6%    | 24,729             | -16.1%   | 108,359              | 156,001              | -30.5% |
| MINI WHEAT                  | 8,609              | 12,635             | -31.9%  | 7,085              | 21.5%    | 33,381               | 43,559               | -23.4% |
| MLK MID OPTIONS             | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| NFD MILK                    | 5,438              | 4,232              | 28.5%   | 7,074              | -23.1%   | 40,758               | 31,137               | 30.9%  |
| OATS                        | 22,122             | 16,616             | 33.1%   | 14,000             | 58.0%    | 92,997               | 94,777               | -1.9%  |
| ROUGH RICE                  | 25,818             | 31,618             | -18.3%  | 18,974             | 36.1%    | 124,015              | 121,561              | 2.0%   |
| SOYBEAN                     | 5,784,492          | 6,603,246          | -12.4%  | 5,096,195          | 13.5%    | 26,971,531           | 33,967,700           | -20.6% |
| SOYBEAN MEAL                | 2,811,918          | 3,268,208          | -14.0%  | 2,667,776          | 5.4%     | 14,673,862           | 17,149,525           | -14.4% |
| SOYBEAN OIL                 | 2,762,647          | 3,481,746          | -20.7%  | 2,405,587          | 14.8%    | 15,069,474           | 16,604,792           | -9.2%  |
| S&P GSCI ENHANCED ER SWAP   | 7,524              | 7,524              | 0.0%    | 0                  | 0.0%     | 22,394               | 26,314               | -14.9% |
| SUGAR 11                    | 10                 | 0                  | 0.0%    | 0                  | 0.0%     | 10                   | 58                   | -82.8% |
| USD CRUDE PALM OIL          | 1,040              | 600                | 73.3%   | 1,022              | 1.8%     | 7,854                | 2,960                | 165.3% |
| WHEAT                       | 18,519             | 16,580             | 11.7%   | 12,113             | 52.9%    | 85,762               | 56,372               | 52.1%  |
| <b>Ag Products Options</b>  |                    |                    |         |                    |          |                      |                      |        |
| AUG-NOV SOYBEAN CAL SPRD    | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%   |
| BUTTER CS                   | 1,827              | 6,078              | -69.9%  | 5,204              | -64.9%   | 23,789               | 24,535               | -3.0%  |
| CASH-SETTLED CHEESE         | 8,486              | 14,554             | -41.7%  | 9,660              | -12.2%   | 62,036               | 60,899               | 1.9%   |

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## CMEG Exchange Volume Report - Monthly

|                            | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG     | VOLUME<br>MAY 2019 | % CHG   | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG      |
|----------------------------|--------------------|--------------------|-----------|--------------------|---------|----------------------|----------------------|------------|
| <b>Ag Products Options</b> |                    |                    |           |                    |         |                      |                      |            |
| CATTLE                     | 160,208            | 182,950            | -12.4%    | 262,813            | -39.0%  | 1,241,164            | 1,604,376            | -22.6%     |
| CAT WEATHER EUROPEAN       | 0                  | 0                  | -         | 0                  | 0.0%    | 2,000                | 0                    | -          |
| CDD SEASONAL STRIP         | 0                  | 100                | -100.0%   | 0                  | 0.0%    | 5,000                | 700                  | 614.3%     |
| CDD WEATHER                | 0                  | 0                  | 0.0%      | 0                  | -       | 0                    | 0                    | 0.0%       |
| CHI WHEAT                  | 752,275            | 846,041            | -11.1%    | 859,909            | -12.5%  | 4,395,023            | 4,962,368            | -11.4%     |
| CLASS IV MILK              | 3,767              | 808                | 366.2%    | 3,025              | 24.5%   | 25,597               | 5,492                | 366.1%     |
| CORN                       | 4,682,991          | 3,973,468          | 17.9%     | 5,754,783          | -18.6%  | 18,340,862           | 14,516,380           | 26.3%      |
| CORN NEARBY+2 CAL SPRD     | 11,672             | 50                 | 23,244.0% | 6,955              | 67.8%   | 27,223               | 6,978                | 290.1%     |
| DEC-DEC CORN CAL SPRD      | 1,606              | 1,921              | -16.4%    | 5,067              | -68.3%  | 9,420                | 7,671                | 22.8%      |
| DEC-JULY CORN CAL SPRD     | 888                | 1,660              | -46.5%    | 7,630              | -88.4%  | 15,428               | 3,160                | 388.2%     |
| DEC-JULY WHEAT CAL SPRD    | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%       |
| DRY WHEY                   | 734                | 1,247              | -41.1%    | 1,652              | -55.6%  | 6,182                | 3,640                | 69.8%      |
| FEEDER CATTLE              | 36,650             | 16,307             | 124.8%    | 47,899             | -23.5%  | 196,246              | 186,521              | 5.2%       |
| HDD EURO SEASONAL STRIP    | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%       |
| HDD SEASONAL STRIP         | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%       |
| HDD WEATHER                | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%       |
| HDD WEATHER EUROPEAN       | 0                  | 0                  | 0.0%      | 0                  | -       | 0                    | 0                    | 0.0%       |
| HOGS                       | 382,552            | 241,745            | 58.2%     | 368,123            | 3.9%    | 2,212,683            | 1,165,509            | 89.8%      |
| HOUSING INDEX              | 7                  | 0                  | 0.0%      | 0                  | 0.0%    | 7                    | 0                    | 0.0%       |
| Intercommodity Spread      | 0                  | 1,510              | -100.0%   | 320                | -100.0% | 1,000                | 9,529                | -89.5%     |
| JAN-MAY SOYBEAN CAL SPRD   | 0                  | 0                  | 0.0%      | 0                  | -       | 0                    | 0                    | 0.0%       |
| JULY-DEC CORN CAL SPRD     | 3,435              | 427                | 704.4%    | 500                | 587.0%  | 11,580               | 9,946                | 16.4%      |
| JULY-DEC SOYMEAL CAL SPRD  | 0                  | 0                  | -         | 0                  | 0.0%    | 0                    | 0                    | -          |
| JULY-DEC SOY OIL CAL SPRD  | 0                  | 0                  | 0.0%      | 0                  | -       | 0                    | 0                    | 0.0%       |
| JULY-DEC WHEAT CAL SPRD    | 100                | 1,050              | -90.5%    | 0                  | 0.0%    | 1,450                | 2,420                | -40.1%     |
| JULY-NOV SOYBEAN CAL SPRD  | 0                  | 210                | -100.0%   | 1,965              | -100.0% | 6,121                | 50,106               | -87.8%     |
| KC WHEAT                   | 111,840            | 74,416             | 50.3%     | 131,171            | -14.7%  | 576,485              | 557,728              | 3.4%       |
| LUMBER                     | 1,899              | 2,011              | -5.6%     | 1,544              | 23.0%   | 11,654               | 12,072               | -3.5%      |
| LV CATL CSO                | 40                 | 5                  | 700.0%    | 20                 | 100.0%  | 479                  | 108                  | 343.5%     |
| MAR-JULY CORN CAL SPRD     | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%       |
| MAR-JULY WHEAT CAL SPRD    | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 30                   | 200                  | -85.0%     |
| MILK                       | 34,287             | 45,268             | -24.3%    | 40,841             | -16.0%  | 224,799              | 187,200              | 20.1%      |
| MLK MID OPTIONS            | 5                  | 13                 | -61.5%    | 24                 | -79.2%  | 189                  | 291                  | -35.1%     |
| NFD MILK                   | 4,394              | 5,425              | -19.0%    | 4,487              | -2.1%   | 44,400               | 32,997               | 34.6%      |
| NOV-JULY SOYBEAN CAL SPRD  | 0                  | 0                  | 0.0%      | 2,200              | -100.0% | 3,000                | 1                    | 299,900.0% |
| NOV-MAR SOYBEAN CSO        | 0                  | 10                 | -100.0%   | 20                 | -100.0% | 20                   | 80                   | -75.0%     |
| NOV-NOV SOYBEAN CAL SPRD   | 750                | 0                  | 0.0%      | 0                  | 0.0%    | 864                  | 18                   | 4,700.0%   |
| OATS                       | 341                | 279                | 22.2%     | 309                | 10.4%   | 3,675                | 2,482                | 48.1%      |
| ROUGH RICE                 | 1,590              | 1,995              | -20.3%    | 2,063              | -22.9%  | 12,330               | 8,679                | 42.1%      |
| SEP-DEC SOYBEAN MEAL CSO   | 0                  | 366                | -100.0%   | 0                  | 0.0%    | 0                    | 1,166                | -100.0%    |
| SOYBEAN                    | 1,370,944          | 2,347,175          | -41.6%    | 2,049,579          | -33.1%  | 7,444,706            | 11,189,468           | -33.5%     |
| SOYBEAN CRUSH              | 0                  | 10                 | -100.0%   | 0                  | 0.0%    | 4                    | 131                  | -96.9%     |
| SOYBEAN MEAL               | 170,026            | 371,196            | -54.2%    | 249,171            | -31.8%  | 987,435              | 2,080,954            | -52.5%     |
| SOYBEAN OIL                | 98,464             | 111,790            | -11.9%    | 143,472            | -31.4%  | 675,013              | 724,426              | -6.8%      |
| SOYBN NEARBY+2 CAL SPRD    | 0                  | 10                 | -100.0%   | 5,500              | -100.0% | 5,500                | 10                   | 54,900.0%  |
| SOYMEAL NEARBY+2 CAL SPRD  | 0                  | 2,000              | -100.0%   | 0                  | 0.0%    | 465                  | 2,400                | -80.6%     |
| WHEAT                      | 3,598              | 59                 | 5,998.3%  | 9,851              | -63.5%  | 31,082               | 823                  | 3,676.7%   |
| WHEAT-CORN ICSO            | 50                 | 400                | -87.5%    | 40                 | 25.0%   | 2,580                | 3,345                | -22.9%     |
| WHEAT NEARBY+2 CAL SPRD    | 0                  | 2,640              | -100.0%   | 0                  | 0.0%    | 2,240                | 9,941                | -77.5%     |

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## CMEG Exchange Volume Report - Monthly

|                            | VOLUME<br>JUN 2019 | VOLUME<br>JUN 2018 | % CHG        | VOLUME<br>MAY 2019 | % CHG         | VOLUME<br>Y.T.D 2019 | VOLUME<br>Y.T.D 2018 | % CHG        |
|----------------------------|--------------------|--------------------|--------------|--------------------|---------------|----------------------|----------------------|--------------|
| <b>TOTAL FUTURES GROUP</b> |                    |                    |              |                    |               |                      |                      |              |
| Interest Rate Futures      | 171,646,347        | 127,282,414        | 34.9%        | 229,844,224        | -25.3%        | 985,863,393          | 995,045,748          | -0.9%        |
| Equity Index Futures       | 64,917,320         | 55,209,741         | 17.6%        | 75,265,742         | -13.7%        | 334,773,813          | 338,478,953          | -1.1%        |
| Metals Futures             | 13,449,003         | 12,739,910         | 5.6%         | 11,504,952         | 16.9%         | 65,427,127           | 79,520,908           | -17.7%       |
| Energy Futures             | 44,056,958         | 48,588,548         | -9.3%        | 49,734,026         | -11.4%        | 269,495,950          | 296,613,174          | -9.1%        |
| FX Futures                 | 20,280,312         | 22,969,579         | -11.7%       | 16,883,411         | 20.1%         | 102,182,592          | 123,275,998          | -17.1%       |
| Ags Futures                | 1,855              | 1,170              | 58.5%        | 1,500              | 23.7%         | 8,955                | 6,735                | 33.0%        |
| Foreign Exchange Futures   | 0                  | 507                | -100.0%      | 10                 | -100.0%       | 410                  | 13,248               | -96.9%       |
| Ag Products Futures        | 32,869,245         | 33,960,565         | -3.2%        | 31,793,756         | 3.4%          | 164,223,314          | 171,718,808          | -4.4%        |
| <b>TOTAL FUTURES</b>       | <b>347,221,040</b> | <b>300,752,434</b> | <b>15.5%</b> | <b>415,027,621</b> | <b>-16.3%</b> | <b>1,921,975,554</b> | <b>2,004,673,572</b> | <b>-4.1%</b> |
| <b>TOTAL OPTIONS GROUP</b> |                    |                    |              |                    |               |                      |                      |              |
| Equity Index Options       | 12,238,824         | 12,185,224         | 0.4%         | 17,782,894         | -31.2%        | 76,540,312           | 107,851,876          | -29.0%       |
| Interest Rate Options      | 85,387,963         | 45,262,035         | 88.7%        | 74,343,222         | 14.9%         | 373,617,505          | 322,579,259          | 15.8%        |
| Metals Options             | 2,563,969          | 1,239,192          | 106.9%       | 1,291,483          | 98.5%         | 8,705,728            | 7,106,208            | 22.5%        |
| Energy Options             | 5,484,513          | 5,516,012          | -0.6%        | 5,914,087          | -7.3%         | 30,082,449           | 39,741,499           | -24.3%       |
| FX Options                 | 1,029,095          | 1,527,387          | -32.6%       | 1,207,942          | -14.8%        | 6,868,172            | 10,034,197           | -31.6%       |
| Ag Products Options        | 7,845,426          | 8,255,194          | -5.0%        | 9,975,797          | -21.4%        | 36,609,761           | 37,434,750           | -2.2%        |
| Foreign Exchange Options   | 380                | 1,041              | -63.5%       | 982                | -61.3%        | 5,386                | 4,905                | 9.8%         |
| <b>TOTAL OPTIONS</b>       | <b>114,550,170</b> | <b>73,986,085</b>  | <b>54.8%</b> | <b>110,516,407</b> | <b>3.6%</b>   | <b>532,429,313</b>   | <b>524,752,694</b>   | <b>1.5%</b>  |
| <b>TOTAL COMBINED</b>      |                    |                    |              |                    |               |                      |                      |              |
| Interest Rate              | 257,034,310        | 172,544,449        | 49.0%        | 304,187,446        | -15.5%        | 1,359,480,898        | 1,317,625,007        | 3.2%         |
| Equity Index               | 77,156,144         | 67,394,965         | 14.5%        | 93,048,636         | -17.1%        | 411,314,125          | 446,330,829          | -7.8%        |
| Metals                     | 16,012,972         | 13,979,102         | 14.5%        | 12,796,435         | 25.1%         | 74,132,855           | 86,627,116           | -14.4%       |
| Energy                     | 49,541,471         | 54,104,560         | -8.4%        | 55,648,113         | -11.0%        | 299,578,399          | 336,354,673          | -10.9%       |
| FX                         | 21,309,407         | 24,496,966         | -13.0%       | 18,091,353         | 17.8%         | 109,050,764          | 133,310,195          | -18.2%       |
| Ags                        | 1,855              | 1,170              | 58.5%        | 1,500              | 23.7%         | 8,955                | 6,735                | 33.0%        |
| Foreign Exchange           | 380                | 1,548              | -75.5%       | 992                | -61.7%        | 5,796                | 18,153               | -68.1%       |
| Ag Products                | 40,714,671         | 42,215,759         | -3.6%        | 41,769,553         | -2.5%         | 200,833,075          | 209,153,558          | -4.0%        |
| <b>GRAND TOTAL</b>         | <b>461,771,210</b> | <b>374,738,519</b> | <b>23.2%</b> | <b>525,544,028</b> | <b>-12.1%</b> | <b>2,454,404,867</b> | <b>2,529,426,266</b> | <b>-3.0%</b> |

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