



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity  | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG      | VOLUME<br>JUL 2016 | % CHG      | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG       |          |
|--|--------------------|--------------------|------------|--------------------|------------|----------------------|----------------------|-------------|----------|
| <b>Commodities and Alternative Investments Futures</b> |                    |                    |            |                    |            |                      |                      |             |          |
| COCOA TAS  | CJ                 | 517                | 216        | 139.4%             | 182        | 184.1%               | 2,034                | 877         | 131.9%   |
| COFFEE   | KT                 | 6                  | 88         | -93.2%             | 6          | 0.0%                 | 143                  | 512         | -72.1%   |
| COTTON   | TT                 | 77                 | 125        | -38.4%             | 124        | -37.9%               | 547                  | 492         | 11.2%    |
| SUGAR 11   | YO                 | 23                 | 49         | -53.1%             | 54         | -57.4%               | 401                  | 1,090       | -63.2%   |
| <b>Energy Futures</b>                                  |                    |                    |            |                    |            |                      |                      |             |          |
| CRUDE OIL PHY  | CL                 | 23,050,506         | 19,196,995 | 20.1%              | 18,841,451 | 22.3%                | 178,061,170          | 133,905,878 | 33.0%    |
| CRUDE OIL  | WS                 | 2,422              | 8,200      | -70.5%             | 280        | 765.0%               | 78,675               | 149,002     | -47.2%   |
| MINY WTI CRUDE OIL                                     | QM                 | 268,400            | 228,055    | 17.7%              | 215,615    | 24.5%                | 2,314,208            | 2,278,548   | 1.6%     |
| BRENT OIL LAST DAY                                     | BZ                 | 1,740,374          | 2,336,987  | -25.5%             | 1,634,124  | 6.5%                 | 15,959,798           | 18,250,648  | -12.6%   |
| HEATING OIL PHY  | HO                 | 3,454,972          | 3,254,177  | 6.2%               | 3,052,514  | 13.2%                | 26,081,420           | 24,331,266  | 7.2%     |
| HTG OIL  | BH                 | 0                  | 108        | -100.0%            | 116        | -100.0%              | 5,402                | 204         | 2,548.0% |
| MINY HTG OIL   | QH                 | 11                 | 10         | 10.0%              | 21         | -47.6%               | 83                   | 69          | 20.3%    |
| RBOB PHY   | RB                 | 4,134,378          | 3,736,859  | 10.6%              | 3,426,991  | 20.6%                | 30,272,118           | 27,645,433  | 9.5%     |
| MINY RBOB GAS  | QU                 | 7                  | 4          | 75.0%              | 3          | 133.3%               | 34                   | 39          | -12.8%   |
| NATURAL GAS  | HP                 | 138,633            | 62,956     | 120.2%             | 148,041    | -6.4%                | 1,007,524            | 593,571     | 69.7%    |
| LTD NAT GAS  | HH                 | 231,365            | 253,036    | -8.6%              | 176,514    | 31.1%                | 1,839,911            | 1,762,773   | 4.4%     |
| MINY NATURAL GAS                                       | QG                 | 24,470             | 16,784     | 45.8%              | 24,762     | -1.2%                | 198,581              | 225,056     | -11.8%   |
| PJM MONTHLY  | JM                 | 0                  | 1,588      | -100.0%            | 40         | -100.0%              | 2,898                | 4,230       | -31.5%   |
| NATURAL GAS PHY  | NG                 | 8,506,938          | 6,457,975  | 31.7%              | 6,769,102  | 25.7%                | 60,717,661           | 54,259,133  | 11.9%    |
| RBOB GAS   | RT                 | 1,532              | 1,032      | 48.4%              | 1,526      | 0.4%                 | 10,433               | 9,130       | 14.3%    |
| 3.5% FUEL OIL CID MED SWA                              | 7D                 | 390                | 0          | 0.0%               | 121        | 222.3%               | 2,141                | 255         | 739.6%   |
| 3.5% FUEL OIL CIF BALMO S                              | 8D                 | 45                 | 0          | 0.0%               | 0          | 0.0%                 | 210                  | 143         | 46.9%    |
| AEP-DAYTON HUB DAILY                                   | VD                 | 0                  | 0          | 0.0%               | 0          | 0.0%                 | 0                    | 0           | 0.0%     |
| AEP-DAYTON HUB MTHLY                                   | VM                 | 0                  | 20         | -100.0%            | 240        | -100.0%              | 240                  | 542         | -55.7%   |
| AEP-DAYTON HUB OFF-PEAK M                              | VP                 | 0                  | 0          | 0.0%               | 0          | 0.0%                 | 0                    | 942         | -100.0%  |
| ALGON CITY GATES NAT GAS                               | N7                 | 240                | 0          | 0.0%               | 1,580      | -84.8%               | 5,980                | 0           | 0.0%     |
| ALGONQUIN CITYGATES BASIS                              | B4                 | 487                | 240        | 102.9%             | 1,588      | -69.3%               | 5,904                | 965         | 511.8%   |
| ANR LOUISIANA BASIS SWAP                               | ND                 | 0                  | 0          | 0.0%               | 0          | 0.0%                 | 0                    | 2,140       | -100.0%  |
| ANR OKLAHOMA   | NE                 | 60                 | 720        | -91.7%             | 248        | -75.8%               | 3,599                | 7,275       | -50.5%   |
| APPALACHIAN COAL (PHY)                                 | QL                 | 0                  | 60         | -100.0%            | 0          | 0.0%                 | 130                  | 2,322       | -94.4%   |
| ARGUS LLS VS. WTI (ARG) T                              | E5                 | 12,620             | 7,288      | 73.2%              | 14,270     | -11.6%               | 110,275              | 63,664      | 73.2%    |
| ARGUS PROPAN FAR EST INDE                              | 7E                 | 1,146              | 406        | 182.3%             | 1,671      | -31.4%               | 12,139               | 2,568       | 372.7%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|----------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |          |                      |                      |          |
| ARGUS PROPAN(SAUDI ARAMCO)          | 9N  | 409                | 388                | 5.4%    | 719                | -43.1%   | 7,317                | 3,828                | 91.1%    |
| AUSTRIALIAN COKE COAL               | ALW | 243                | 76                 | 219.7%  | 131                | 85.5%    | 3,116                | 1,677                | 85.8%    |
| BRENT BALMO SWAP                    | J9  | 275                | 344                | -20.1%  | 40                 | 587.5%   | 1,085                | 4,424                | -75.5%   |
| BRENT CALENDAR SWAP                 | CY  | 843                | 3,302              | -74.5%  | 2,919              | -71.1%   | 17,760               | 51,218               | -65.3%   |
| BRENT CFD(PLATTS) VS FRNT           | 1C  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| BRENT CFD SWAP                      | 6W  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| BRENT FINANCIAL FUTURES             | BB  | 65                 | 300                | -78.3%  | 260                | -75.0%   | 2,152                | 61,769               | -96.5%   |
| BRENT FINANCIAL FUTURES             | MBC | 0                  | 0                  | -       | 0                  | 0.0%     | 1,424                | 0                    | -        |
| BRENT FINANCIAL FUTURES             | MDB | 0                  | 0                  | 0.0%    | 105                | -100.0%  | 413                  | 330                  | 25.2%    |
| BRENT OIL LAST DAY                  | BZL | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| BRENT OIL LAST DAY                  | BZS | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| CANADIAN LIGHT SWEET OIL            | CIL | 3,390              | 1,182              | 186.8%  | 90                 | 3,666.7% | 16,575               | 3,945                | 320.2%   |
| CARBON EUA EMISSIONS EURO           | RC  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| CENTERPOINT BASIS SWAP              | PW  | 700                | 212                | 230.2%  | 906                | -22.7%   | 10,650               | 18,370               | -42.0%   |
| CENTERPOINT EAST INDEX              | II  | 0                  | 0                  | 0.0%    | 740                | -100.0%  | 740                  | 677                  | 9.3%     |
| CENTER POINT NAT GAS FIXED PRICE    | DAC | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 32                   | -100.0%  |
| CHICAGO ETHANOL SWAP                | CU  | 114,091            | 77,810             | 46.6%   | 97,755             | 16.7%    | 788,712              | 725,980              | 8.6%     |
| CHICAGO ULSD (PLATTS) SWA           | 4C  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| CHICAGO ULSD PL VS HO SPR           | 5C  | 769                | 76                 | 911.8%  | 460                | 67.2%    | 2,606                | 3,066                | -15.0%   |
| CHICAGO UNL GAS PL VS RBO           | 3C  | 275                | 0                  | 0.0%    | 0                  | 0.0%     | 1,875                | 320                  | 485.9%   |
| CIG BASIS                           | CI  | 11,326             | 2,223              | 409.5%  | 5,386              | 110.3%   | 65,149               | 16,732               | 289.4%   |
| CIG ROCKIES NG INDEX SWA            | Z8  | 0                  | 0                  | -       | 124                | -100.0%  | 1,054                | 0                    | -        |
| CINERGY HUB OFF-PEAK MONT           | EJ  | 0                  | 150                | -100.0% | 0                  | 0.0%     | 60                   | 390                  | -84.6%   |
| CINERGY HUB PEAK MONTH              | EM  | 0                  | 40                 | -100.0% | 0                  | 0.0%     | 0                    | 40                   | -100.0%  |
| CIN HUB 5MW D AH O PK               | K2  | 0                  | 48,960             | -100.0% | 112,640            | -100.0%  | 275,560              | 166,480              | 65.5%    |
| CIN HUB 5MW D AH PK                 | H5  | 258                | 906                | -71.5%  | 1,566              | -83.5%   | 18,672               | 8,399                | 122.3%   |
| CIN HUB 5MW REAL TIME O P           | H4  | 0                  | 97,760             | -100.0% | 168,360            | -100.0%  | 966,584              | 321,952              | 200.2%   |
| CIN HUB 5MW REAL TIME PK            | H3  | 2,980              | 2,330              | 27.9%   | 4,350              | -31.5%   | 63,436               | 4,475                | 1,317.6% |
| COAL SWAP                           | ACM | 200                | 160                | 25.0%   | 60                 | 233.3%   | 1,930                | 2,740                | -29.6%   |
| COAL SWAP                           | SSI | 30                 | 126                | -76.2%  | 20                 | 50.0%    | 187                  | 2,557                | -92.7%   |
| COLUMB GULF MAINLINE NG B           | 5Z  | 4,835              | 1,888              | 156.1%  | 790                | 512.0%   | 19,803               | 21,433               | -7.6%    |
| COLUMBIA GULF MAIN NAT G            | L2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 2,208                | 620                  | 256.1%   |
| COLUMBIA GULF NAT GAS FIXED PRICE   | DCE | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 488                  | -100.0%  |
| COLUMBIA GULF ONSHORE               | GL  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 3,108                | 2,716                | 14.4%    |
| CONWAY NATURAL GASOLINE (OPIS) SWAP | 8L  | 0                  | 116                | -100.0% | 93                 | -100.0%  | 1,278                | 546                  | 134.1%   |
| CONWAY NORMAL BUTANE (OPIS) SWAP    | 8M  | 510                | 558                | -8.6%   | 30                 | 1,600.0% | 954                  | 1,574                | -39.4%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG  | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|----------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |        |                      |                      |          |
| CONWAY PROPANE 5 DECIMALS SWAP      | 8K  | 12,769             | 2,108              | 505.7%  | 6,048              | 111.1% | 53,284               | 33,419               | 59.4%    |
| CRUDE OIL                           | CHB | 0                  | 0                  | -       | 0                  | 0.0%   | 60                   | 0                    | -        |
| CRUDE OIL                           | LPS | 4,748              | 4,017              | 18.2%   | 4,700              | 1.0%   | 40,810               | 17,714               | 130.4%   |
| CRUDE OIL LAST DAY                  | 26  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%     |
| CRUDE OIL OUTRIGHTS                 | 37  | 0                  | 0                  | -       | 0                  | 0.0%   | 0                    | 0                    | -        |
| CRUDE OIL OUTRIGHTS                 | 42  | 108                | 969                | -88.9%  | 180                | -40.0% | 731                  | 11,082               | -93.4%   |
| CRUDE OIL OUTRIGHTS                 | CSW | 540                | 0                  | -       | 0                  | -      | 540                  | 0                    | -        |
| CRUDE OIL OUTRIGHTS                 | DBL | 0                  | 1,175              | -100.0% | 0                  | 0.0%   | 450                  | 26,587               | -98.3%   |
| CRUDE OIL OUTRIGHTS                 | FE  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 235                  | -100.0%  |
| CRUDE OIL OUTRIGHTS                 | GSW | 60                 | 0                  | -       | 30                 | 100.0% | 90                   | 0                    | -        |
| CRUDE OIL OUTRIGHTS                 | HTT | 5,201              | 0                  | -       | 5,250              | -0.9%  | 14,513               | 0                    | -        |
| CRUDE OIL OUTRIGHTS                 | WCC | 7,350              | 12,932             | -43.2%  | 1,180              | 522.9% | 40,889               | 45,568               | -10.3%   |
| CRUDE OIL PHY                       | CLL | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| CRUDE OIL SPRDS                     | 38  | 100                | 300                | -66.7%  | 0                  | 0.0%   | 425                  | 300                  | 41.7%    |
| CRUDE OIL SPRDS                     | KE  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%     |
| CRUDE OIL SPRDS                     | WTT | 5,300              | 0                  | 0.0%    | 6,435              | -17.6% | 20,942               | 1,415                | 1,380.0% |
| CRUDE OIL TRADE AT MARKER SINGAPORE | CLS | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | AOR | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | IDO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | NOC | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PAP | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PEO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PNO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PNP | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PWO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | PWP | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | WOR | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 2,720                | 0                    | 0.0%     |
| DAILY PJM                           | ZAO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | ZGO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DAILY PJM                           | ZJO | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| DATED BRENT (PLATTS) DAILY SWAP     | 7G  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 23,657               | -100.0%  |
| DATED TO FRONTLINE BRENT            | FY  | 750                | 175                | 328.6%  | 1,550              | -51.6% | 12,010               | 23,571               | -49.0%   |
| DEMARC INDEX FUTURE                 | DI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 800                  | 0                    | 0.0%     |
| DIESEL 10P BRG FOB RDM VS           | 7X  | 115                | 0                  | 0.0%    | 0                  | 0.0%   | 125                  | 10                   | 1,150.0% |
| DIESEL 10PPM BARGES FOB B           | U7  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%     |
| DIESEL10PPM BARG VS ICE LS          | LSE | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |         |                      |                      |         |
| DLY GAS EURO-BOB OXY                | GBR | 0                  | 0                  | -       | 60                 | -100.0% | 60                   | 0                    | -       |
| DOMINION TRAN INC - APP I           | IH  | 0                  | 0                  | -       | 0                  | 0.0%    | 17,107               | 0                    | -       |
| DOMINION TRANSMISSION INC           | PG  | 19,630             | 2,526              | 677.1%  | 8,824              | 122.5%  | 152,263              | 34,379               | 342.9%  |
| DUBAI CRUDE OIL BALMO               | BI  | 0                  | 0                  | 0.0%    | 275                | -100.0% | 275                  | 100                  | 175.0%  |
| DUBAI CRUDE OIL CALENDAR            | DC  | 2,486              | 3,998              | -37.8%  | 2,875              | -13.5%  | 11,966               | 28,653               | -58.2%  |
| DY EURO 3.5% FUEL OI RDA            | FOR | 0                  | 840                | -100.0% | 0                  | 0.0%    | 0                    | 840                  | -100.0% |
| EASTERN RAIL DELIVERY CSX           | QX  | 825                | 1,746              | -52.7%  | 1,310              | -37.0%  | 9,702                | 35,596               | -72.7%  |
| EAST/WEST FUEL OIL SPREAD           | EW  | 50                 | 135                | -63.0%  | 75                 | -33.3%  | 236                  | 2,283                | -89.7%  |
| EIA FLAT TAX ONHWAY DIESE           | A5  | 1,136              | 377                | 201.3%  | 1,192              | -4.7%   | 9,228                | 6,976                | 32.3%   |
| ELEC ERCOT DLY OFF PK               | R4  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC ERCOT DLY PEAK                 | I7  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC ERCOT DLY PEAK                 | I9  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELEC ERCOT DLY PEAK                 | N1  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 965                  | -100.0% |
| ELEC ERCOT DLY PEAK                 | R1  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC ERCOT OFF PEAK                 | ERU | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELEC ERCOT OFF PEAK                 | O1  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 17,565               | -100.0% |
| ELEC FINSETTLED                     | 47  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 1,270                | 0                    | 0.0%    |
| ELEC FINSETTLED                     | 49  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC MISO PEAK                      | 4L  | 0                  | 320                | -100.0% | 0                  | 0.0%    | 0                    | 320                  | -100.0% |
| ELEC MISO PEAK                      | 55  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 510                  | -100.0% |
| ELEC NYISO OFF-PEAK                 | 4M  | 0                  | 5,796              | -100.0% | 0                  | 0.0%    | 0                    | 5,796                | -100.0% |
| ELEC NYISO OFF-PEAK                 | 58  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 9,408                | -100.0% |
| ELECTRICITY ERCOT PEAK              | ERE | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK                | 46  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 23,480               | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK                | 4P  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 11,680               | -100.0% |
| ELECTRICITY OFF PEAK                | 50  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| EL PASO PERMIAN INDEX SWA           | IL  | 0                  | 0                  | -       | 620                | -100.0% | 1,612                | 0                    | -       |
| EMMISSIONS                          | CPL | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 250                  | -100.0% |
| ERCOT NORTH ZMCP E 5MW OFFPEAK      | I8  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ERCOT NORTH ZMCP E 5MW OFFPEAK SWAP | I6  | 0                  | 6,528              | -100.0% | 0                  | 0.0%    | 4,280                | 24,093               | -82.2%  |
| ERCOT NORTH ZMCP E 5MW PEAK         | I5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 235                  | 2,591                | -90.9%  |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP  | Z1  | 2,145              | 1,551              | 38.3%   | 1,401              | 53.1%   | 17,118               | 23,045               | -25.7%  |
| EU LOW SULPHUR GASOIL CRACK         | LSC | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| EURO 1% FUEL OIL NEW BALM           | KX  | 0                  | 3                  | -100.0% | 0                  | 0.0%    | 210                  | 38                   | 452.6%  |
| EURO 3.5% FUEL OIL M CRK            | FL  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| EURO 3.5% FUEL OIL RDAM B           | KR  | 359                | 791                | -54.6%  | 182                | 97.3%   | 2,480                | 5,158                | -51.9%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                       |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|---------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>           |     |                    |                    |         |                    |         |                      |                      |          |
| EURO 3.5% FUEL OIL SPREAD       | FK  | 592                | 390                | 51.8%   | 330                | 79.4%   | 4,558                | 8,230                | -44.6%   |
| EURO-DENOMINATED PETRO PROD     | IBE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| EURO-DENOMINATED PETRO PROD     | MFE | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| EURO-DENOMINATED PETRO PROD     | NCP | 0                  | 0                  | 0.0%    | 88                 | -100.0% | 158                  | 2,427                | -93.5%   |
| EURO GASOIL 10 CAL SWAP         | GT  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 3                    | 6                    | -50.0%   |
| EURO GASOIL 10PPM VS ICE        | ET  | 142                | 57                 | 149.1%  | 75                 | 89.3%   | 592                  | 296                  | 100.0%   |
| EUROPE 1% FUEL OIL NWE CA       | UF  | 3                  | 185                | -98.4%  | 565                | -99.5%  | 1,345                | 1,372                | -2.0%    |
| EUROPE 1% FUEL OIL RDAM C       | UH  | 0                  | 0                  | 0.0%    | 10                 | -100.0% | 124                  | 160                  | -22.5%   |
| EUROPE 3.5% FUEL OIL MED        | UI  | 460                | 0                  | 0.0%    | 247                | 86.2%   | 2,979                | 607                  | 390.8%   |
| EUROPE 3.5% FUEL OIL RDAM       | UV  | 4,841              | 7,433              | -34.9%  | 5,762              | -16.0%  | 50,842               | 76,354               | -33.4%   |
| EUROPEAN GASOIL (ICE)           | 7F  | 7,291              | 17,082             | -57.3%  | 11,509             | -36.6%  | 1,538,501            | 91,113               | 1,588.6% |
| EUROPEAN NAPHTHA BALMO          | KZ  | 145                | 60                 | 141.7%  | 133                | 9.0%    | 1,176                | 703                  | 67.3%    |
| EUROPEAN NAPHTHA CRACK SPR      | EN  | 4,815              | 3,794              | 26.9%   | 4,627              | 4.1%    | 36,640               | 65,088               | -43.7%   |
| EUROPE DATED BRENT SWAP         | UB  | 0                  | 8,230              | -100.0% | 3,100              | -100.0% | 25,958               | 32,105               | -19.1%   |
| EUROPE JET KERO NWE CALSW       | UJ  | 0                  | 10                 | -100.0% | 0                  | 0.0%    | 38                   | 494                  | -92.3%   |
| EUROPE NAPHTHA CALSWAP          | UN  | 1,856              | 768                | 141.7%  | 2,004              | -7.4%   | 11,224               | 11,974               | -6.3%    |
| EURO PROPANE CIF ARA SWA        | PS  | 1,148              | 215                | 434.0%  | 1,239              | -7.3%   | 9,553                | 2,678                | 256.7%   |
| FL GAS ZONE 3 NAT GAS IND       | Q9  | 0                  | 0                  | -       | 0                  | 0.0%    | 8,310                | 0                    | -        |
| FLORIDA GAS ZONE3 BASIS S       | FP  | 3,352              | 488                | 586.9%  | 789                | 324.8%  | 5,449                | 12,534               | -56.5%   |
| FREIGHT MARKETS                 | FLP | 41                 | 171                | -76.0%  | 24                 | 70.8%   | 1,509                | 333                  | 353.2%   |
| FREIGHT MARKETS                 | FRC | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| FUEL OIL CRACK VS ICE           | FO  | 4,793              | 3,904              | 22.8%   | 5,217              | -8.1%   | 33,555               | 28,607               | 17.3%    |
| FUEL OIL NWE CRACK VS ICE       | FI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 32                   | 306                  | -89.5%   |
| FUEL OIL (PLATS) CAR CM         | 1W  | 25                 | 93                 | -73.1%  | 930                | -97.3%  | 1,116                | 264                  | 322.7%   |
| FUEL OIL (PLATS) CAR CN         | 1X  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 54                   | 140                  | -61.4%   |
| FUELOIL SWAP:CARGOES VS.B       | FS  | 86                 | 184                | -53.3%  | 187                | -54.0%  | 2,815                | 3,682                | -23.5%   |
| GAS EURO-BOB OXY NWE BARGES     | 7H  | 5,734              | 4,694              | 22.2%   | 4,784              | 19.9%   | 56,009               | 62,069               | -9.8%    |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K  | 11,788             | 10,166             | 16.0%   | 11,803             | -0.1%   | 111,704              | 148,052              | -24.6%   |
| GASOIL 0.1 BRGS FOB VS IC       | 6V  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 6                    | 1                    | 500.0%   |
| GASOIL 0.1 CARGOES CIF NE       | TW  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 10                   | -100.0%  |
| GASOIL 0.1 CIF MED BALMO        | X6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 5                    | -100.0%  |
| GASOIL 0.1 CIF MED SWAP         | Z4  | 0                  | 0                  | -       | 0                  | 0.0%    | 75                   | 0                    | -        |
| GASOIL 0.1CIF MED VS ICE        | Z5  | 10                 | 0                  | 0.0%    | 40                 | -75.0%  | 130                  | 71                   | 83.1%    |
| GASOIL 0.1 CIF NWE VS ISE       | TU  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 266                  | -100.0%  |
| GASOIL 0.1 CIF VS ICE GAS       | 8W  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 5                    | 0                    | 0.0%     |
| GASOIL 0.1 CRG CIF NW VS        | 4V  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 5                    | 10                   | -50.0%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|---------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>     |     |                    |                    |         |                    |         |                      |                      |         |
| GASOIL 0.1 RDAM BRGS VS I | WQ  | 0                  | 12                 | -100.0% | 5                  | -100.0% | 60                   | 62                   | -3.2%   |
| GASOIL 0.1 ROTTERDAM BARG | VL  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 10                   | -100.0% |
| GASOIL 10P CRG CIF NW VS  | 3V  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 10                   | 50                   | -80.0%  |
| GASOIL 10PPM CARGOES CIF  | TY  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 3                    | 0                    | 0.0%    |
| GASOIL 10PPM VS ICE SWAP  | TP  | 212                | 40                 | 430.0%  | 60                 | 253.3%  | 700                  | 1,292                | -45.8%  |
| GASOIL BULLET SWAP        | BG  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOIL CALENDAR SWAP      | GX  | 15                 | 6                  | 150.0%  | 46                 | -67.4%  | 305                  | 185                  | 64.9%   |
| GASOIL CRACK SPREAD CALEN | GZ  | 5,900              | 1,080              | 446.3%  | 7,971              | -26.0%  | 42,532               | 32,581               | 30.5%   |
| GASOIL MINI CALENDAR SWAP | QA  | 216                | 228                | -5.3%   | 141                | 53.2%   | 2,054                | 2,245                | -8.5%   |
| GASOLINE UP-DOWN (ARGUS)  | UZ  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| GASOLINE UP-DOWN BALMO SW | 1K  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 810                  | 4,860                | -83.3%  |
| GC ULSD VS GC JET SPREAD  | VV  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| GROUP THREE ULSD (PLATTS) | A7  | 300                | 0                  | 0.0%    | 0                  | 0.0%    | 300                  | 200                  | 50.0%   |
| GRP THREE ULSD(PLT)VS HEA | A6  | 4,695              | 3,636              | 29.1%   | 3,780              | 24.2%   | 22,038               | 30,705               | -28.2%  |
| GRP THREE UNL GS (PLT) VS | A8  | 2,040              | 2,160              | -5.6%   | 1,650              | 23.6%   | 11,555               | 12,147               | -4.9%   |
| GULF COAST 3% FUEL OIL BA | VZ  | 285                | 1,007              | -71.7%  | 262                | 8.8%    | 5,654                | 9,323                | -39.4%  |
| GULF COAST GASOLINE CLNDR | GS  | 0                  | 1,000              | -100.0% | 0                  | 0.0%    | 1,300                | 5,365                | -75.8%  |
| GULF COAST JET FUEL CLNDR | GE  | 40                 | 0                  | 0.0%    | 192                | -79.2%  | 1,173                | 2,837                | -58.7%  |
| GULF COAST JET VS NYM 2 H | ME  | 34,659             | 22,767             | 52.2%   | 29,266             | 18.4%   | 262,134              | 171,487              | 52.9%   |
| GULF COAST NO.6 FUEL OIL  | MF  | 56,681             | 61,016             | -7.1%   | 59,472             | -4.7%   | 460,410              | 589,975              | -22.0%  |
| GULF COAST NO.6 FUEL OIL  | MG  | 150                | 1,458              | -89.7%  | 300                | -50.0%  | 5,584                | 15,581               | -64.2%  |
| GULF COAST ULSD CALENDAR  | LY  | 1,132              | 418                | 170.8%  | 1,232              | -8.1%   | 7,334                | 6,401                | 14.6%   |
| GULF COAST ULSD CRACK SPR | GY  | 150                | 0                  | 0.0%    | 75                 | 100.0%  | 6,156                | 2,450                | 151.3%  |
| HEATING OIL BALMO CLNDR S | 1G  | 15                 | 0                  | 0.0%    | 25                 | -40.0%  | 335                  | 365                  | -8.2%   |
| HEATING OIL CRCK SPRD BAL | 1H  | 0                  | 0                  | -       | 0                  | 0.0%    | 20                   | 0                    | -       |
| HEATING OIL PHY           | HOL | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| HEATING OIL VS ICE GASOIL | HA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| HENRY HUB BASIS SWAP      | HB  | 19,207             | 9,706              | 97.9%   | 16,538             | 16.1%   | 174,624              | 92,235               | 89.3%   |
| HENRY HUB INDEX SWAP FUTU | IN  | 12,681             | 9,706              | 30.7%   | 15,594             | -18.7%  | 159,636              | 69,175               | 130.8%  |
| HENRY HUB SWAP            | NN  | 380,709            | 400,399            | -4.9%   | 257,428            | 47.9%   | 3,453,563            | 3,570,877            | -3.3%   |
| HENRY HUB SWING FUTURE    | SN  | 0                  | 1,200              | -100.0% | 0                  | 0.0%    | 290                  | 1,200                | -75.8%  |
| HOUSTON SHIP CHANNEL BASI | NH  | 1,596              | 5,640              | -71.7%  | 1,860              | -14.2%  | 26,264               | 32,789               | -19.9%  |
| HOUSTON SHIP CHANNEL INDE | IP  | 0                  | 0                  | 0.0%    | 186                | -100.0% | 186                  | 180                  | 3.3%    |
| HUSTN SHIP CHNL PIPE SWP  | XJ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 4,073                | -100.0% |
| ICE BRENT DUBAI SWAP      | DB  | 100                | 60                 | 66.7%   | 0                  | 0.0%    | 110                  | 8,060                | -98.6%  |
| ICE GASOIL BALMO SWAP     | U9  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |          |                      |                      |         |
| IN DELIVERY MONTH EUA               | 6T  | 0                  | 3,100              | -100.0% | 350                | -100.0%  | 26,201               | 94,613               | -72.3%  |
| INDIANA MISO                        | FAD | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | FDM | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | FTD | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | FTM | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | PDD | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 112                  | 0                    | 0.0%    |
| INDIANA MISO                        | PDM | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 2,240                | -100.0% |
| INDIANA MISO                        | PTD | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | PTM | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| INDONESIAN COAL                     | MCC | 35                 | 60                 | -41.7%  | 15                 | 133.3%   | 205                  | 1,390                | -85.3%  |
| ISO NEW ENGLAND OFF-PEAK            | KI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| ISO NEW ENGLAND PK LMP              | NI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 20                   | 0                    | 0.0%    |
| JAPAN C&F NAPHTHA CRACK S           | JB  | 657                | 1,044              | -37.1%  | 513                | 28.1%    | 3,423                | 2,203                | 55.4%   |
| JAPAN C&F NAPHTHA SWAP              | JA  | 1,850              | 956                | 93.5%   | 1,055              | 75.4%    | 10,076               | 8,407                | 19.9%   |
| JAPAN NAPHTHA BALMO SWAP            | E6  | 75                 | 25                 | 200.0%  | 5                  | 1,400.0% | 370                  | 432                  | -14.4%  |
| JET AV FUEL (P) CAR FM ICE GAS SWAP | 1V  | 45                 | 5                  | 800.0%  | 32                 | 40.6%    | 157                  | 213                  | -26.3%  |
| JET BARGES VS ICE GASOIL            | JR  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 22                   | 15                   | 46.7%   |
| JET CIF NWE VS ICE                  | JC  | 62                 | 46                 | 34.8%   | 82                 | -24.4%   | 760                  | 1,044                | -27.2%  |
| JET FUEL BRG FOB RDM VS I           | 9Q  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 2                    | 10                   | -80.0%  |
| JET FUEL CARGOES CIF NEW            | F3  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| JET FUEL CRG CIF NEW VS I           | 6X  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 30                   | 17                   | 76.5%   |
| JET FUEL UP-DOWN BALMO CL           | 1M  | 7,525              | 825                | 812.1%  | 1,365              | 451.3%   | 29,112               | 18,438               | 57.9%   |
| LA CARB DIESEL (OPIS)               | LX  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 78                   | -100.0% |
| LA CARB DIESEL (OPIS) SWA           | KL  | 1,245              | 650                | 91.5%   | 190                | 555.3%   | 6,327                | 6,039                | 4.8%    |
| LA CARBOB GASOLINE(OPIS)S           | JL  | 325                | 225                | 44.4%   | 325                | 0.0%     | 5,900                | 4,350                | 35.6%   |
| LA JET FUEL VS NYM NO 2 H           | MQ  | 25                 | 50                 | -50.0%  | 15                 | 66.7%    | 800                  | 220                  | 263.6%  |
| LA JET (OPIS) SWAP                  | JS  | 3,640              | 975                | 273.3%  | 1,625              | 124.0%   | 16,612               | 7,770                | 113.8%  |
| LLS (ARGUS) CALENDAR SWAP           | XA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| LLS (ARGUS) VS WTI SWAP             | WJ  | 7,975              | 11,017             | -27.6%  | 5,808              | 37.3%    | 55,938               | 72,671               | -23.0%  |
| MARS (ARGUS) VS WTI SWAP            | YX  | 1,090              | 7,436              | -85.3%  | 805                | 35.4%    | 34,218               | 45,418               | -24.7%  |
| MARS (ARGUS) VS WTI TRD M           | YV  | 20,163             | 3,299              | 511.2%  | 11,045             | 82.6%    | 86,867               | 12,900               | 573.4%  |
| MARS BLEND CRUDE OIL                | MB  | 560                | 0                  | -       | 3,450              | -83.8%   | 15,524               | 0                    | -       |
| MCCLOSKEY ARA ARGS COAL             | MTF | 100,726            | 248,048            | -59.4%  | 118,648            | -15.1%   | 1,407,027            | 1,278,931            | 10.0%   |
| MCCLOSKEY RCH BAY COAL              | MFF | 10,810             | 15,467             | -30.1%  | 6,187              | 74.7%    | 146,752              | 163,928              | -10.5%  |
| MGF FUT                             | MGF | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 100                  | 16                   | 525.0%  |
| MGN1 SWAP FUT                       | MGN | 75                 | 206                | -63.6%  | 75                 | 0.0%     | 1,038                | 1,166                | -11.0%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                            |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|--------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>                |     |                    |                    |         |                    |         |                      |                      |         |
| MICHCON NG INDEX SWAP                | Y8  | 0                  | 0                  | -       | 1,840              | -100.0% | 1,840                | 0                    | -       |
| MICHIGAN BASIS                       | NF  | 1,455              | 1,284              | 13.3%   | 1,845              | -21.1%  | 16,764               | 2,922                | 473.7%  |
| MICHIGAN HUB OFF-PEAK MON            | HJ  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| MICHIGAN HUB PEAK MONTH S            | HM  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| MICHIGAN MISO                        | HMO | 0                  | 3,920              | -100.0% | 0                  | 0.0%    | 127,640              | 121,440              | 5.1%    |
| MICHIGAN MISO                        | HMW | 0                  | 430                | -100.0% | 0                  | 0.0%    | 7,240                | 6,795                | 6.5%    |
| MINI GAS EUROBOB OXY NWE ARGS BALMO  | MEB | 859                | 216                | 297.7%  | 351                | 144.7%  | 3,439                | 2,900                | 18.6%   |
| MINI RBOB V. EBOBARG NWE BRGS BALMO  | MXR | 100                | 170                | -41.2%  | 200                | -50.0%  | 996                  | 3,810                | -73.9%  |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS    | MXB | 1,845              | 440                | 319.3%  | 1,014              | 82.0%   | 9,593                | 5,515                | 73.9%   |
| MISO 5MW OFF PEAK                    | 4R  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| MISO 5MW PEAK                        | 4Q  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| MJB FUT                              | MJB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 10                   | -100.0% |
| MJC FUT                              | MJC | 144                | 0                  | 0.0%    | 172                | -16.3%  | 765                  | 520                  | 47.1%   |
| MNC FUT                              | MNC | 3,709              | 3,870              | -4.2%   | 5,934              | -37.5%  | 31,972               | 34,906               | -8.4%   |
| MONT BELVIEU ETHANE 5 DECIMAL        | C0  | 50,923             | 7,762              | 556.1%  | 33,599             | 51.6%   | 323,821              | 50,845               | 536.9%  |
| MONT BELVIEU ETHANE OPIS BALMO       | 8C  | 165                | 90                 | 83.3%   | 110                | 50.0%   | 815                  | 2,425                | -66.4%  |
| MONT BELVIEU LDH PROPANE 5 DECIMAL   | B0  | 139,603            | 39,505             | 253.4%  | 141,588            | -1.4%   | 907,133              | 320,004              | 183.5%  |
| MONT BELVIEU LDH PROPANE OPIS BALMO  | 8O  | 871                | 124                | 602.4%  | 875                | -0.5%   | 6,787                | 5,633                | 20.5%   |
| MONT BELVIEU NATURAL GASOLINE 5 DEC  | 7Q  | 7,115              | 3,236              | 119.9%  | 7,291              | -2.4%   | 67,759               | 46,235               | 46.6%   |
| MONT BELVIEU NATURAL GASOLINE BALMO  | R0  | 251                | 230                | 9.1%    | 82                 | 206.1%  | 1,661                | 3,603                | -53.9%  |
| MONT BELVIEU NORMAL BUTANE 5 DECIMAL | D0  | 28,738             | 14,574             | 97.2%   | 26,064             | 10.3%   | 191,349              | 120,653              | 58.6%   |
| MONT BELVIEU NORMAL BUTANE BALMO     | 8J  | 566                | 300                | 88.7%   | 656                | -13.7%  | 5,541                | 3,808                | 45.5%   |
| NAT GAS BASIS SWAP                   | SGW | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 40                   | -100.0% |
| NAT GAS BASIS SWAP                   | TZ6 | 6,623              | 1,284              | 415.8%  | 793                | 735.2%  | 29,619               | 3,100                | 855.5%  |
| NATURAL GAS                          | XAC | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS                          | XSC | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| NATURAL GAS FIXED PRICE SWAP FUTURES | CFS | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 3,416                | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | DSF | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 6,452                | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | MFS | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,464                | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | PFS | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 496                  | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | WFS | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 572                  | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | Z5P | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 448                  | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | ZTS | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 84                   | -100.0% |
| NATURAL GAS INDEX                    | TZI | 0                  | 0                  | 0.0%    | 1,712              | -100.0% | 6,702                | 0                    | 0.0%    |
| NATURAL GAS PEN SWP                  | NP  | 116,839            | 89,774             | 30.1%   | 123,511            | -5.4%   | 901,318              | 1,553,125            | -42.0%  |
| NEPOOL CNCTCT 5MW D AH O             | P3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 11,925               | 0                    | 0.0%    |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |    | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|---------------------------|----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>     |    |                    |                    |         |                    |         |                      |                      |          |
| NEPOOL CONECTIC 5MW D AH  | P2 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 635                  | 0                    | 0.0%     |
| NEPOOL INTR HUB 5MW D AH  | H2 | 289,912            | 78,200             | 270.7%  | 37,440             | 674.3%  | 454,549              | 169,242              | 168.6%   |
| NEPOOL INTR HUB 5MW D AH  | U6 | 16,702             | 4,400              | 279.6%  | 2,040              | 718.7%  | 32,410               | 10,680               | 203.5%   |
| NEPOOL MAINE 5MW D AH O E | W2 | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| NEPOOL MAINE 5MW D AH PK  | P9 | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| NEPOOL NE MASS 5MW D AH O | P8 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 3,920                | -100.0%  |
| NEPOOL NE MASS 5MW D AH P | P7 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 640                  | 1,385                | -53.8%   |
| NEPOOL NEW HAMP 5MW D AH  | U2 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEPOOL NEW HAMP 5MW D AH  | U3 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEPOOL RHD ISLD 5MW D AH  | U4 | 0                  | 1,980              | -100.0% | 0                  | 0.0%    | 0                    | 5,961                | -100.0%  |
| NEPOOL RHODE IL 5MW D AH  | U5 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 47,245               | -100.0%  |
| NEPOOL SE MASS 5MW D AH O | P5 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEPOOL SE MASS 5MW D AH P | P4 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEPOOL W CNT MASS 5MW D A | L9 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 4,000                | 28,848               | -86.1%   |
| NEPOOL W CNTR M 5MW D AH  | R6 | 0                  | 420                | -100.0% | 0                  | 0.0%    | 1,685                | 840                  | 100.6%   |
| NEW ENGLAND HUB PEAK DAIL | CE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEW YORK ETHANOL SWAP     | EZ | 825                | 790                | 4.4%    | 750                | 10.0%   | 12,125               | 8,290                | 46.3%    |
| NEW YORK HUB ZONE G PEAK  | GN | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NEW YORK HUB ZONE J PEAK  | JN | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| NGPL MID-CONTINENT        | NL | 1,208              | 1,808              | -33.2%  | 3,393              | -64.4%  | 26,577               | 37,573               | -29.3%   |
| NGPL MIDCONTINENT INDEX   | IW | 0                  | 120                | -100.0% | 620                | -100.0% | 7,227                | 300                  | 2,309.0% |
| NGPL MIDCONTINENT SWING S | PX | 0                  | 0                  | -       | 0                  | 0.0%    | 620                  | 0                    | -        |
| NGPL TEX/OK               | PD | 1,980              | 3,008              | -34.2%  | 1,100              | 80.0%   | 24,604               | 69,603               | -64.7%   |
| NGPL TEXOK INDEX          | OI | 300                | 480                | -37.5%  | 0                  | 0.0%    | 360                  | 666                  | -45.9%   |
| NGPL TEXOK SWING SWAP     | OX | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%     |
| N ILLINOIS HUB DAILY      | UD | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -        |
| N ILLINOIS HUB MTHLY      | UM | 0                  | 40                 | -100.0% | 0                  | 0.0%    | 0                    | 70                   | -100.0%  |
| NO 2 UP-DOWN SPREAD CALEN | UT | 0                  | 100                | -100.0% | 187                | -100.0% | 2,562                | 2,909                | -11.9%   |
| NORTHEN NATURAL GAS DEMAR | PE | 578                | 1,644              | -64.8%  | 0                  | 0.0%    | 2,173                | 4,077                | -46.7%   |
| NORTHEN NATURAL GAS VENTU | PF | 224                | 212                | 5.7%    | 1,235              | -81.9%  | 7,251                | 4,504                | 61.0%    |
| NORTHERN ILLINOIS OFF-PEA | UO | 0                  | 40                 | -100.0% | 0                  | 0.0%    | 0                    | 102                  | -100.0%  |
| NORTHWEST ROCKIES BASIS S | NR | 7,813              | 15,809             | -50.6%  | 6,806              | 14.8%   | 135,614              | 65,417               | 107.3%   |
| N ROCKIES PIPE SWAP       | XR | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 991                  | -100.0%  |
| NY1% VS GC SPREAD SWAP    | VR | 2,275              | 950                | 139.5%  | 2,814              | -19.2%  | 18,272               | 17,131               | 6.7%     |
| NY 2.2% FUEL OIL (PLATTS  | Y3 | 80                 | 185                | -56.8%  | 0                  | 0.0%    | 489                  | 310                  | 57.7%    |
| NY 3.0% FUEL OIL (PLATTS  | H1 | 300                | 300                | 0.0%    | 75                 | 300.0%  | 1,475                | 2,395                | -38.4%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                          |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG  | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|------------------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|---------|
| <b>Energy Futures</b>              |     |                    |                    |         |                    |        |                      |                      |         |
| NY HARBOR 1% FUEL OIL BAL          | VK  | 71                 | 0                  | 0.0%    | 0                  | 0.0%   | 101                  | 259                  | -61.0%  |
| NY HARBOR HEAT OIL SWP             | MP  | 1,788              | 4,730              | -62.2%  | 1,947              | -8.2%  | 20,237               | 39,195               | -48.4%  |
| NY HARBOR LOW SULPUR GAS 1000MBBL  | NLS | 305                | 0                  | 0.0%    | 295                | 3.4%   | 4,856                | 4,042                | 20.1%   |
| NY HARBOR LOW SULPUR GASOIL 1000MT | SLS | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| NY HARBOR RESIDUAL FUEL 1          | MM  | 3,098              | 7,159              | -56.7%  | 1,834              | 68.9%  | 27,576               | 38,954               | -29.2%  |
| NY HARBOR RESIDUAL FUEL C          | ML  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 100                  | -100.0% |
| NYH NO 2 CRACK SPREAD CAL          | HK  | 3,035              | 1,541              | 97.0%   | 742                | 309.0% | 14,720               | 17,090               | -13.9%  |
| NY H OIL PLATTS VS NYMEX           | YH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 976                  | -100.0% |
| NYISO A                            | KA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 982                  | -100.0% |
| NYISO A OFF-PEAK                   | KB  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 440                  | -100.0% |
| NYISO CAPACITY                     | LHV | 54                 | 0                  | -       | 42                 | 28.6%  | 168                  | 0                    | -       |
| NYISO CAPACITY                     | NNC | 90                 | 300                | -70.0%  | 90                 | 0.0%   | 1,377                | 1,922                | -28.4%  |
| NYISO CAPACITY                     | NRS | 97                 | 788                | -87.7%  | 72                 | 34.7%  | 1,977                | 3,572                | -44.7%  |
| NYISO G                            | KG  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 321                  | -100.0% |
| NYISO G OFF-PEAK                   | KH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 150                  | -100.0% |
| NYISO J                            | KJ  | 0                  | 469                | -100.0% | 0                  | 0.0%   | 172                  | 2,264                | -92.4%  |
| NYISO J OFF-PEAK                   | KK  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 80                   | 540                  | -85.2%  |
| NYISO ZONE A 5MW D AH O P          | K4  | 7,925              | 23,192             | -65.8%  | 0                  | 0.0%   | 239,365              | 307,928              | -22.3%  |
| NYISO ZONE A 5MW D AH PK           | K3  | 2,960              | 1,280              | 131.3%  | 0                  | 0.0%   | 3,600                | 8,725                | -58.7%  |
| NYISO ZONE C 5MW D AH O P          | A3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 54,290               | 0                    | 0.0%    |
| NYISO ZONE C 5MW D AH PK           | Q5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 1,512                | 0                    | 0.0%    |
| NYISO ZONE G 5MW D AH O P          | D2  | 20,546             | 4,704              | 336.8%  | 79,560             | -74.2% | 384,706              | 86,824               | 343.1%  |
| NYISO ZONE G 5MW D AH PK           | T3  | 5,334              | 6,630              | -19.5%  | 3,060              | 74.3%  | 30,423               | 22,450               | 35.5%   |
| NYISO ZONE J 5MW D AH O P          | D4  | 0                  | 20,874             | -100.0% | 0                  | 0.0%   | 102,952              | 56,034               | 83.7%   |
| NYISO ZONE J 5MW D AH PK           | D3  | 840                | 1,152              | -27.1%  | 0                  | 0.0%   | 8,607                | 6,267                | 37.3%   |
| NY JET FUEL (ARGUS) VS HEATING OIL | 5U  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| NY JET FUEL (PLATTS) HEAT OIL SWAP | 1U  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 1,735                | -100.0% |
| NYMEX ALUMINUM FUTURES             | AN  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| NYMEX ULSD VS NYMEX HO             | UY  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 1,113                | -100.0% |
| NY ULSD (ARGUS) VS HEATING OIL     | 7Y  | 1,166              | 358                | 225.7%  | 236                | 394.1% | 4,110                | 20,162               | -79.6%  |
| ONEOK OKLAHOMA NG BASIS            | 8X  | 120                | 366                | -67.2%  | 0                  | 0.0%   | 1,065                | 2,261                | -52.9%  |
| ONTARIO POWER SWAPS                | OFD | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 160                  | 0                    | 0.0%    |
| ONTARIO POWER SWAPS                | OFM | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 3,750                | 141,040              | -97.3%  |
| ONTARIO POWER SWAPS                | OPD | 110                | 70                 | 57.1%   | 30                 | 266.7% | 355                  | 150                  | 136.7%  |
| ONTARIO POWER SWAPS                | OPM | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 440                  | 7,890                | -94.4%  |
| PANHANDLE BASIS SWAP FUTU          | PH  | 10,118             | 10,313             | -1.9%   | 8,243              | 22.7%  | 69,722               | 97,308               | -28.3%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG    | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|---------------------------|-----|--------------------|--------------------|----------|--------------------|----------|----------------------|----------------------|----------|
| <b>Energy Futures</b>     |     |                    |                    |          |                    |          |                      |                      |          |
| PANHANDLE INDEX SWAP FUTU | IV  | 0                  | 1,770              | -100.0%  | 0                  | 0.0%     | 2,480                | 1,770                | 40.1%    |
| PANHANDLE PIPE SWAP       | XH  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 314                  | -100.0%  |
| PERMIAN BASIS SWAP        | PM  | 2,639              | 2,226              | 18.6%    | 3,720              | -29.1%   | 28,861               | 10,310               | 179.9%   |
| PETROCHEMICALS            | 22  | 25                 | 10                 | 150.0%   | 15                 | 66.7%    | 394                  | 171                  | 130.4%   |
| PETROCHEMICALS            | 32  | 38                 | 27                 | 40.7%    | 45                 | -15.6%   | 419                  | 339                  | 23.6%    |
| PETROCHEMICALS            | 51  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETROCHEMICALS            | 81  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETROCHEMICALS            | 8I  | 190                | 26                 | 630.8%   | 109                | 74.3%    | 1,356                | 3,741                | -63.8%   |
| PETROCHEMICALS            | 91  | 145                | 5                  | 2,800.0% | 181                | -19.9%   | 1,364                | 213                  | 540.4%   |
| PETROCHEMICALS            | HPE | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 48                   | 58                   | -17.2%   |
| PETROCHEMICALS            | LPE | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 76                   | -100.0%  |
| PETROCHEMICALS            | MAC | 0                  | 0                  | -        | 0                  | 0.0%     | 110                  | 0                    | -        |
| PETROCHEMICALS            | MAE | 30                 | 0                  | 0.0%     | 90                 | -66.7%   | 385                  | 200                  | 92.5%    |
| PETROCHEMICALS            | MAS | 20                 | 20                 | 0.0%     | 65                 | -69.2%   | 930                  | 260                  | 257.7%   |
| PETROCHEMICALS            | MBE | 2,840              | 1,515              | 87.5%    | 4,115              | -31.0%   | 22,275               | 11,505               | 93.6%    |
| PETROCHEMICALS            | MNB | 3,424              | 1,060              | 223.0%   | 1,924              | 78.0%    | 16,850               | 12,342               | 36.5%    |
| PETRO CRCKS & SPRDS ASIA  | STI | 0                  | 300                | -100.0%  | 0                  | 0.0%     | 1,050                | 300                  | 250.0%   |
| PETRO CRCKS & SPRDS ASIA  | STR | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 64                   | 430                  | -85.1%   |
| PETRO CRCKS & SPRDS ASIA  | STS | 80                 | 128                | -37.5%   | 0                  | 0.0%     | 80                   | 218                  | -63.3%   |
| PETRO CRCKS & SPRDS NA    | CBA | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETRO CRCKS & SPRDS NA    | CRB | 86                 | 80                 | 7.5%     | 420                | -79.5%   | 999                  | 2,428                | -58.9%   |
| PETRO CRCKS & SPRDS NA    | EXR | 1,385              | 917                | 51.0%    | 963                | 43.8%    | 11,096               | 9,852                | 12.6%    |
| PETRO CRCKS & SPRDS NA    | FOC | 1,755              | 525                | 234.3%   | 1,825              | -3.8%    | 7,855                | 3,590                | 118.8%   |
| PETRO CRCKS & SPRDS NA    | GBB | 365                | 0                  | 0.0%     | 30                 | 1,116.7% | 1,525                | 50                   | 2,950.0% |
| PETRO CRCKS & SPRDS NA    | GCC | 100                | 0                  | -        | 100                | 0.0%     | 1,525                | 0                    | -        |
| PETRO CRCKS & SPRDS NA    | GCI | 1,571              | 1,170              | 34.3%    | 2,397              | -34.5%   | 8,105                | 9,744                | -16.8%   |
| PETRO CRCKS & SPRDS NA    | GCM | 10                 | 0                  | -        | 21                 | -52.4%   | 66                   | 0                    | -        |
| PETRO CRCKS & SPRDS NA    | GCU | 6,618              | 8,124              | -18.5%   | 6,243              | 6.0%     | 58,954               | 104,365              | -43.5%   |
| PETRO CRCKS & SPRDS NA    | GFC | 25                 | 0                  | 0.0%     | 104                | -76.0%   | 129                  | 100                  | 29.0%    |
| PETRO CRCKS & SPRDS NA    | HOB | 2,847              | 3,380              | -15.8%   | 4,135              | -31.1%   | 32,429               | 32,018               | 1.3%     |
| PETRO CRCKS & SPRDS NA    | KSD | 0                  | 240                | -100.0%  | 0                  | 0.0%     | 0                    | 390                  | -100.0%  |
| PETRO CRCKS & SPRDS NA    | MFR | 0                  | 0                  | -        | 0                  | 0.0%     | 30                   | 0                    | -        |
| PETRO CRCKS & SPRDS NA    | NFC | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETRO CRCKS & SPRDS NA    | NFG | 268                | 50                 | 436.0%   | 0                  | 0.0%     | 788                  | 200                  | 294.0%   |
| PETRO CRCKS & SPRDS NA    | NYF | 300                | 525                | -42.9%   | 0                  | 0.0%     | 475                  | 1,800                | -73.6%   |
| PETRO CRCKS & SPRDS NA    | NYH | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 300                  | 0                    | 0.0%     |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity              |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG  | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG     |
|------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|-----------|
| <b>Energy Futures</b>  |     |                    |                    |         |                    |        |                      |                      |           |
| PETRO CRCKS & SPRDS NA | RBB | 10,490             | 6,113              | 71.6%   | 9,181              | 14.3%  | 76,455               | 89,770               | -14.8%    |
| PETRO CRCKS & SPRDS NA | RVG | 14,247             | 0                  | 0.0%    | 8,060              | 76.8%  | 64,617               | 2,215                | 2,817.2%  |
| PETRO CRCKS & SPRDS NA | SF3 | 0                  | 0                  | -       | 0                  | 0.0%   | 34                   | 0                    | -         |
| PETRO CRK&SPRD EURO    | 1NB | 1,882              | 614                | 206.5%  | 1,272              | 48.0%  | 13,800               | 13,248               | 4.2%      |
| PETRO CRK&SPRD EURO    | 1ND | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 50                   | -100.0%   |
| PETRO CRK&SPRD EURO    | 43  | 289                | 491                | -41.1%  | 45                 | 542.2% | 1,265                | 3,323                | -61.9%    |
| PETRO CRK&SPRD EURO    | BFR | 0                  | 90                 | -100.0% | 0                  | 0.0%   | 0                    | 170                  | -100.0%   |
| PETRO CRK&SPRD EURO    | BOB | 1,694              | 1,154              | 46.8%   | 1,188              | 42.6%  | 15,730               | 12,984               | 21.1%     |
| PETRO CRK&SPRD EURO    | EBF | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETRO CRK&SPRD EURO    | EOB | 0                  | 10                 | -100.0% | 0                  | 0.0%   | 91                   | 303                  | -70.0%    |
| PETRO CRK&SPRD EURO    | EPN | 358                | 66                 | 442.4%  | 122                | 193.4% | 1,918                | 363                  | 428.4%    |
| PETRO CRK&SPRD EURO    | EVC | 1,489              | 1,905              | -21.8%  | 1,030              | 44.6%  | 11,468               | 13,779               | -16.8%    |
| PETRO CRK&SPRD EURO    | FBT | 20                 | 0                  | 0.0%    | 100                | -80.0% | 480                  | 360                  | 33.3%     |
| PETRO CRK&SPRD EURO    | FVB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 20                   | -100.0%   |
| PETRO CRK&SPRD EURO    | GCB | 25                 | 150                | -83.3%  | 0                  | 0.0%   | 785                  | 1,158                | -32.2%    |
| PETRO CRK&SPRD EURO    | GOC | 0                  | 24                 | -100.0% | 0                  | 0.0%   | 69                   | 596                  | -88.4%    |
| PETRO CRK&SPRD EURO    | GRB | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETRO CRK&SPRD EURO    | GRS | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETRO CRK&SPRD EURO    | LSU | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%      |
| PETRO CRK&SPRD EURO    | MGB | 0                  | 48                 | -100.0% | 0                  | 0.0%   | 0                    | 424                  | -100.0%   |
| PETRO CRK&SPRD EURO    | MUD | 321                | 56                 | 473.2%  | 116                | 176.7% | 1,065                | 510                  | 108.8%    |
| PETRO CRK&SPRD EURO    | NBB | 55                 | 0                  | 0.0%    | 23                 | 139.1% | 178                  | 56                   | 217.9%    |
| PETRO CRK&SPRD EURO    | NOB | 630                | 192                | 228.1%  | 827                | -23.8% | 3,449                | 1,276                | 170.3%    |
| PETRO CRK&SPRD EURO    | NYG | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETRO CRK&SPRD EURO    | SFB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 105                  | 15                   | 600.0%    |
| PETRO CRK&SPRD EURO    | SFC | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%      |
| PETROLEUM PRODUCTS     | D43 | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETROLEUM PRODUCTS     | D44 | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 34                   | -100.0%   |
| PETROLEUM PRODUCTS     | D45 | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 28                   | -100.0%   |
| PETROLEUM PRODUCTS     | D46 | 0                  | 0                  | -       | 0                  | 0.0%   | 30                   | 0                    | -         |
| PETROLEUM PRODUCTS     | D63 | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%      |
| PETROLEUM PRODUCTS     | D64 | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 209                  | -100.0%   |
| PETROLEUM PRODUCTS     | D65 | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 140                  | -100.0%   |
| PETROLEUM PRODUCTS     | EWB | 0                  | 15                 | -100.0% | 0                  | 0.0%   | 0                    | 25                   | -100.0%   |
| PETROLEUM PRODUCTS     | EWG | 2,233              | 0                  | 0.0%    | 1,524              | 46.5%  | 4,307                | 6                    | 71,683.3% |
| PETROLEUM PRODUCTS     | MBS | 20                 | 0                  | -       | 0                  | 0.0%   | 551                  | 0                    | -         |



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity               |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG     | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|-------------------------|-----|--------------------|--------------------|-----------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>   |     |                    |                    |           |                    |          |                      |                      |         |
| PETROLEUM PRODUCTS      | MHE | 0                  | 0                  | -         | 0                  | 0.0%     | 30                   | 0                    | -       |
| PETROLEUM PRODUCTS      | MPE | 0                  | 0                  | -         | 0                  | 0.0%     | 1,363                | 0                    | -       |
| PETROLEUM PRODUCTS      | RMG | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%    |
| PETROLEUM PRODUCTS      | RMK | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%    |
| PETROLEUM PRODUCTS ASIA | E6M | 0                  | 179                | -100.0%   | 0                  | 0.0%     | 427                  | 736                  | -42.0%  |
| PETROLEUM PRODUCTS ASIA | MJN | 1,130              | 2,084              | -45.8%    | 1,780              | -36.5%   | 10,245               | 14,125               | -27.5%  |
| PETRO OUTFRIGHT EURO    | 0A  | 0                  | 10                 | -100.0%   | 0                  | 0.0%     | 0                    | 70                   | -100.0% |
| PETRO OUTFRIGHT EURO    | 0B  | 50                 | 30                 | 66.7%     | 420                | -88.1%   | 1,300                | 744                  | 74.7%   |
| PETRO OUTFRIGHT EURO    | 0C  | 55                 | 15                 | 266.7%    | 0                  | 0.0%     | 161                  | 15                   | 973.3%  |
| PETRO OUTFRIGHT EURO    | 0D  | 3,036              | 4,215              | -28.0%    | 2,271              | 33.7%    | 32,662               | 31,875               | 2.5%    |
| PETRO OUTFRIGHT EURO    | 0E  | 989                | 561                | 76.3%     | 728                | 35.9%    | 6,867                | 3,480                | 97.3%   |
| PETRO OUTFRIGHT EURO    | 0F  | 1,369              | 570                | 140.2%    | 1,251              | 9.4%     | 9,371                | 7,437                | 26.0%   |
| PETRO OUTFRIGHT EURO    | 1T  | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 20                   | 85                   | -76.5%  |
| PETRO OUTFRIGHT EURO    | 33  | 0                  | 0                  | 0.0%      | 15                 | -100.0%  | 219                  | 543                  | -59.7%  |
| PETRO OUTFRIGHT EURO    | 59  | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%    |
| PETRO OUTFRIGHT EURO    | 5L  | 65                 | 42                 | 54.8%     | 597                | -89.1%   | 1,542                | 985                  | 56.5%   |
| PETRO OUTFRIGHT EURO    | 63  | 155                | 97                 | 59.8%     | 130                | 19.2%    | 1,032                | 786                  | 31.3%   |
| PETRO OUTFRIGHT EURO    | 6L  | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 16                   | -100.0% |
| PETRO OUTFRIGHT EURO    | 7I  | 17                 | 10                 | 70.0%     | 506                | -96.6%   | 1,290                | 1,420                | -9.2%   |
| PETRO OUTFRIGHT EURO    | 7P  | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 40                   | -100.0% |
| PETRO OUTFRIGHT EURO    | 7R  | 208                | 267                | -22.1%    | 401                | -48.1%   | 2,118                | 2,499                | -15.2%  |
| PETRO OUTFRIGHT EURO    | 88  | 0                  | 55                 | -100.0%   | 0                  | 0.0%     | 55                   | 213                  | -74.2%  |
| PETRO OUTFRIGHT EURO    | CBB | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%    |
| PETRO OUTFRIGHT EURO    | CGB | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 6                    | 30                   | -80.0%  |
| PETRO OUTFRIGHT EURO    | CPB | 589                | 5                  | 11,680.0% | 15                 | 3,826.7% | 893                  | 338                  | 164.2%  |
| PETRO OUTFRIGHT EURO    | EFF | 55                 | 0                  | 0.0%      | 0                  | 0.0%     | 416                  | 159                  | 161.6%  |
| PETRO OUTFRIGHT EURO    | EFM | 25                 | 57                 | -56.1%    | 525                | -95.2%   | 640                  | 437                  | 46.5%   |
| PETRO OUTFRIGHT EURO    | ENS | 70                 | 0                  | 0.0%      | 405                | -82.7%   | 1,068                | 445                  | 140.0%  |
| PETRO OUTFRIGHT EURO    | EWN | 229                | 10                 | 2,190.0%  | 300                | -23.7%   | 1,469                | 731                  | 101.0%  |
| PETRO OUTFRIGHT EURO    | FBD | 0                  | 10                 | -100.0%   | 20                 | -100.0%  | 20                   | 111                  | -82.0%  |
| PETRO OUTFRIGHT EURO    | MBB | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 84                   | 155                  | -45.8%  |
| PETRO OUTFRIGHT EURO    | MBN | 2,160              | 2,148              | 0.6%      | 1,465              | 47.4%    | 11,687               | 8,257                | 41.5%   |
| PETRO OUTFRIGHT EURO    | RBF | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%    |
| PETRO OUTFRIGHT EURO    | SMU | 200                | 0                  | 0.0%      | 0                  | 0.0%     | 240                  | 600                  | -60.0%  |
| PETRO OUTFRIGHT EURO    | T0  | 0                  | 111                | -100.0%   | 0                  | 0.0%     | 368                  | 1,768                | -79.2%  |
| PETRO OUTFRIGHT EURO    | ULB | 0                  | 0                  | 0.0%      | 400                | -100.0%  | 490                  | 1,550                | -68.4%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG  | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |         |
|--------------------------|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|---------|---------|
| <b>Energy Futures</b>    |                    |                    |         |                    |        |                      |                      |         |         |
| PETRO OUTRIGHT EURO      | V0                 | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 2,304                | -100.0% |         |
| PETRO OUTRIGHT EURO      | W0                 | 0                  | 0.0%    | 0                  | 0.0%   | 50                   | 0                    | 0.0%    |         |
| PETRO OUTRIGHT EURO      | X0                 | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 638                  | -100.0% |         |
| PETRO OUTRIGHT EURO      | Y0                 | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 100                  | -100.0% |         |
| PETRO OUTRIGHT NA        | 5Y                 | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |         |
| PETRO OUTRIGHT NA        | DBB                | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |         |
| PETRO OUTRIGHT NA        | FCB                | 64                 | 74      | -13.5%             | 19     | 236.8%               | 1,030                | 2,255   | -54.3%  |
| PETRO OUTRIGHT NA        | FOB                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 10      | -100.0% |
| PETRO OUTRIGHT NA        | FOM                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 3                    | 47      | -93.6%  |
| PETRO OUTRIGHT NA        | GBA                | 0                  | 0       | -                  | 0      | 0.0%                 | 8                    | 0       | -       |
| PETRO OUTRIGHT NA        | GUD                | 0                  | 0       | -                  | 0      | 0.0%                 | 13                   | 0       | -       |
| PETRO OUTRIGHT NA        | JE                 | 0                  | 215     | -100.0%            | 0      | 0.0%                 | 439                  | 215     | 104.2%  |
| PETRO OUTRIGHT NA        | JET                | 7,590              | 1,640   | 362.8%             | 3,700  | 105.1%               | 22,180               | 8,580   | 158.5%  |
| PETRO OUTRIGHT NA        | MBL                | 0                  | 36      | -100.0%            | 0      | 0.0%                 | 168                  | 736     | -77.2%  |
| PETRO OUTRIGHT NA        | MEN                | 568                | 421     | 34.9%              | 861    | -34.0%               | 5,438                | 5,552   | -2.1%   |
| PETRO OUTRIGHT NA        | MEO                | 10,555             | 7,215   | 46.3%              | 10,500 | 0.5%                 | 80,934               | 69,201  | 17.0%   |
| PETRO OUTRIGHT NA        | MFD                | 45                 | 121     | -62.8%             | 313    | -85.6%               | 838                  | 298     | 181.2%  |
| PETRO OUTRIGHT NA        | MMF                | 85                 | 120     | -29.2%             | 30     | 183.3%               | 1,148                | 1,135   | 1.1%    |
| PETRO OUTRIGHT NA        | NYB                | 0                  | 0       | 0.0%               | 0      | -                    | 0                    | 0       | 0.0%    |
| PETRO OUTRIGHT NA        | NYT                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 100                  | 25      | 300.0%  |
| PETRO OUTRIGHT NA        | XER                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 90      | -100.0% |
| PGE&E CITYGATE           | PC                 | 0                  | 0       | 0.0%               | 0      | -                    | 0                    | 0       | 0.0%    |
| PJM AD HUB 5MW REAL TIME | V3                 | 18,736             | 140,880 | -86.7%             | 65,472 | -71.4%               | 1,033,248            | 289,648 | 256.7%  |
| PJM AD HUB 5MW REAL TIME | Z9                 | 7,980              | 29,365  | -72.8%             | 9,056  | -11.9%               | 88,829               | 37,755  | 135.3%  |
| PJM AECO DA OFF-PEAK     | X1                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| PJM AECO DA PEAK         | Y1                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 132     | -100.0% |
| PJM APS ZONE DA OFF-PEAK | W4                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| PJM APS ZONE DA PEAK     | S4                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| PJM ATSI ELEC            | MOD                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 23,400  | -100.0% |
| PJM ATSI ELEC            | MPD                | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 0                    | 1,275   | -100.0% |
| PJM BGE DA OFF-PEAK      | R3                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 23,400               | 0       | 0.0%    |
| PJM BGE DA PEAK          | E3                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 1,275                | 0       | 0.0%    |
| PJM COMED 5MW D AH O PK  | D9                 | 0                  | 0       | 0.0%               | 23,480 | -100.0%              | 210,680              | 56,795  | 270.9%  |
| PJM COMED 5MW D AH PK    | D8                 | 0                  | 0       | 0.0%               | 1,270  | -100.0%              | 11,470               | 3,080   | 272.4%  |
| PJM DAILY                | JD                 | 0                  | 0       | 0.0%               | 0      | 0.0%                 | 1,300                | 0       | 0.0%    |
| PJM DAYTON DA OFF-PEAK   | R7                 | 0                  | 19,200  | -100.0%            | 0      | 0.0%                 | 21,305               | 50,408  | -57.7%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG    | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|-------------------------------------|-----|--------------------|--------------------|----------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |          |                    |          |                      |                      |         |
| PJM DAYTON DA PEAK                  | D7  | 6,873              | 210                | 3,172.9% | 6,350              | 8.2%     | 21,628               | 6,680                | 223.8%  |
| PJM DPL DA OFF-PEAK                 | E8  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PJM DPL DA PEAK                     | L8  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PJM DUQUESNE 5MW D AH PK            | D5  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| PJM DUQUS 5MW D AH O PK             | D6  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| PJM EASTERNH DA PEAK                | E9  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PJM JCPL DA OFF-PEAK                | F2  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 15,360               | -100.0% |
| PJM JCPL DA PEAK                    | J2  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 650                  | -100.0% |
| PJM NI HUB 5MW REAL TIME            | B3  | 15,126             | 5,433              | 178.4%   | 0                  | 0.0%     | 57,094               | 18,363               | 210.9%  |
| PJM NI HUB 5MW REAL TIME            | B6  | 365,760            | 220,526            | 65.9%    | 49,415             | 640.2%   | 1,355,132            | 456,494              | 196.9%  |
| PJM NILL DA OFF-PEAK                | L3  | 297,879            | 71,367             | 317.4%   | 28,617             | 940.9%   | 824,934              | 156,558              | 426.9%  |
| PJM NILL DA PEAK                    | N3  | 14,833             | 637                | 2,228.6% | 1,375              | 978.8%   | 40,050               | 5,345                | 649.3%  |
| PJM OFF-PEAK LMP SWAP FUT           | JP  | 0                  | 300                | -100.0%  | 0                  | 0.0%     | 140                  | 1,712                | -91.8%  |
| PJM PECO ZONE5MW PEAK CAL MO DAY AH | 4N  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 650                  | -100.0% |
| PJM PEPKO DA OFF-PEAK               | Q8  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 7,440                | -100.0% |
| PJM PEPKO DA PEAK                   | R8  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PJM PPL DA OFF-PEAK                 | F5  | 0                  | 23,520             | -100.0%  | 0                  | 0.0%     | 0                    | 23,520               | -100.0% |
| PJM PPL DA PEAK                     | L5  | 0                  | 1,275              | -100.0%  | 0                  | 0.0%     | 0                    | 1,275                | -100.0% |
| PJM PSEG DA OFF-PEAK                | W6  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 163,800              | 0                    | 0.0%    |
| PJM PSEG DA PEAK                    | L6  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 5,100                | 0                    | 0.0%    |
| PJM WES HUB PEAK LMP 50 M           | 4S  | 0                  | 0                  | 0.0%     | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| PJM WESTH DA OFF-PEAK               | E4  | 0                  | 31,520             | -100.0%  | 375,680            | -100.0%  | 825,010              | 125,600              | 556.9%  |
| PJM WESTHDA PEAK                    | J4  | 2,550              | 1,915              | 33.2%    | 20,320             | -87.5%   | 45,148               | 7,540                | 498.8%  |
| PJM WESTH RT OFF-PEAK               | N9  | 144,580            | 299,099            | -51.7%   | 962,311            | -85.0%   | 5,573,176            | 809,915              | 588.1%  |
| PJM WESTH RT PEAK                   | L1  | 75,239             | 35,149             | 114.1%   | 59,808             | 25.8%    | 524,567              | 55,624               | 843.1%  |
| PLASTICS                            | PGP | 612                | 802                | -23.7%   | 20                 | 2,960.0% | 2,743                | 8,878                | -69.1%  |
| PLASTICS                            | PPP | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PREMIUM UNLD 10P FOB MED            | 3G  | 258                | 294                | -12.2%   | 294                | -12.2%   | 2,413                | 2,829                | -14.7%  |
| PREMIUM UNLD 10PPM CARGOE           | 4G  | 0                  | 0                  | 0.0%     | 0                  | -        | 0                    | 0                    | 0.0%    |
| PREMIUM UNLEAD 10PPM FOB            | 8G  | 10                 | 97                 | -89.7%   | 17                 | -41.2%   | 288                  | 658                  | -56.2%  |
| PREM UNL GAS 10PPM RDAM FOB BALMO   | 7N  | 0                  | 10                 | -100.0%  | 0                  | 0.0%     | 2                    | 84                   | -97.6%  |
| PREM UNL GAS 10PPM RDAM FOB SWAP    | 7L  | 30                 | 0                  | 0.0%     | 55                 | -45.5%   | 273                  | 260                  | 5.0%    |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S  | 695                | 200                | 247.5%   | 225                | 208.9%   | 3,197                | 1,326                | 141.1%  |
| PROPANE NON-LDH MT. BEL (OPIS) SWP  | 1R  | 9,204              | 5,291              | 74.0%    | 11,648             | -21.0%   | 80,072               | 51,652               | 55.0%   |
| RBOB CALENDAR SWAP                  | RL  | 10,776             | 8,984              | 19.9%    | 7,572              | 42.3%    | 52,598               | 55,439               | -5.1%   |
| RBOB CRACK SPREAD                   | RM  | 1,480              | 610                | 142.6%   | 50                 | 2,860.0% | 11,775               | 7,697                | 53.0%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG     | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|-------------------------------------|-----|--------------------|--------------------|-----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>               |     |                    |                    |           |                    |         |                      |                      |          |
| RBOB CRACK SPREAD BALMO S           | 1E  | 25                 | 0                  | -         | 0                  | 0.0%    | 50                   | 0                    | -        |
| RBOB GASOLINE BALMO CLNDR           | 1D  | 1,495              | 670                | 123.1%    | 943                | 58.5%   | 6,058                | 9,534                | -36.5%   |
| RBOB PHY                            | RBL | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| RBOB SPREAD (PLATTS) SWAP           | RI  | 0                  | 33                 | -100.0%   | 0                  | 0.0%    | 0                    | 92                   | -100.0%  |
| RBOB UP-DOWN CALENDAR SWA           | RV  | 0                  | 12,625             | -100.0%   | 0                  | 0.0%    | 9,203                | 81,145               | -88.7%   |
| RBOB VS HEATING OIL SWAP            | RH  | 600                | 900                | -33.3%    | 2,280              | -73.7%  | 11,827               | 7,225                | 63.7%    |
| ROCKIES KERN OPAL - NW IN           | IR  | 0                  | 0                  | -         | 310                | -100.0% | 1,046                | 0                    | -        |
| SAN JUAN BASIS SWAP                 | NJ  | 6,088              | 2,095              | 190.6%    | 4,722              | 28.9%   | 51,389               | 16,947               | 203.2%   |
| SAN JUAN PIPE SWAP                  | XX  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| SINGAPORE 180CST BALMO              | BS  | 55                 | 45                 | 22.2%     | 15                 | 266.7%  | 437                  | 342                  | 27.8%    |
| SINGAPORE 380CST BALMO              | BT  | 121                | 82                 | 47.6%     | 135                | -10.4%  | 1,129                | 1,078                | 4.7%     |
| SINGAPORE 380CST FUEL OIL           | SE  | 11,145             | 6,226              | 79.0%     | 9,308              | 19.7%   | 56,648               | 44,504               | 27.3%    |
| SINGAPORE FUEL 180CST CAL           | UA  | 886                | 1,938              | -54.3%    | 1,079              | -17.9%  | 9,521                | 17,924               | -46.9%   |
| SINGAPORE FUEL OIL SPREAD           | SD  | 649                | 315                | 106.0%    | 576                | 12.7%   | 4,498                | 4,456                | 0.9%     |
| SINGAPORE GASOIL                    | MTB | 177                | 55                 | 221.8%    | 166                | 6.6%    | 1,858                | 977                  | 90.2%    |
| SINGAPORE GASOIL                    | MTS | 5,466              | 2,112              | 158.8%    | 3,444              | 58.7%   | 29,644               | 19,362               | 53.1%    |
| SINGAPORE GASOIL                    | STF | 0                  | 0                  | 0.0%      | 0                  | -       | 0                    | 0                    | 0.0%     |
| SINGAPORE GASOIL                    | STL | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 100                  | 150                  | -33.3%   |
| SINGAPORE GASOIL                    | STZ | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 180                  | 0                    | 0.0%     |
| SINGAPORE GASOIL BALMO              | VU  | 320                | 150                | 113.3%    | 780                | -59.0%  | 2,279                | 744                  | 206.3%   |
| SINGAPORE GASOIL CALENDAR           | MSG | 190                | 0                  | 0.0%      | 0                  | 0.0%    | 537                  | 6,291                | -91.5%   |
| SINGAPORE GASOIL SWAP               | SG  | 7,388              | 397                | 1,761.0%  | 6,562              | 12.6%   | 36,740               | 19,910               | 84.5%    |
| SINGAPORE GASOIL VS ICE             | GA  | 2,075              | 10                 | 20,650.0% | 2,508              | -17.3%  | 15,083               | 4,790                | 214.9%   |
| SINGAPORE JET KERO BALMO            | BX  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 56                   | 325                  | -82.8%   |
| SINGAPORE JET KERO GASOIL           | RK  | 1,225              | 0                  | 0.0%      | 1,745              | -29.8%  | 6,275                | 2,945                | 113.1%   |
| SINGAPORE JET KEROSENE SW           | KS  | 900                | 570                | 57.9%     | 1,130              | -20.4%  | 4,620                | 11,948               | -61.3%   |
| SINGAPORE JET KERO VS. GASOIL BALMO | Z0  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 50                   | -100.0%  |
| SINGAPORE MOGAS 92 UNLEADED BALMO   | 1P  | 25                 | 50                 | -50.0%    | 0                  | 0.0%    | 2,843                | 2,808                | 1.2%     |
| SINGAPORE MOGAS 92 UNLEADED SWP     | 1N  | 6,821              | 1,884              | 262.0%    | 5,805              | 17.5%   | 53,243               | 55,845               | -4.7%    |
| SINGAPORE NAPHTHA BALMO             | KU  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 20                   | 0                    | 0.0%     |
| SINGAPORE NAPHTHA SWAP              | SP  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 1,125                | -100.0%  |
| SING FUEL                           | MSD | 5                  | 0                  | 0.0%      | 5                  | 0.0%    | 15                   | 10                   | 50.0%    |
| SOCAL BASIS SWAP                    | NS  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 0                    | 96                   | -100.0%  |
| SOCAL PIPE SWAP                     | XN  | 0                  | 0                  | 0.0%      | 0                  | 0.0%    | 5,600                | 488                  | 1,047.5% |
| SONAT BASIS SWAP FUTURE             | SZ  | 0                  | 2,598              | -100.0%   | 0                  | 0.0%    | 368                  | 14,440               | -97.5%   |
| SOUTHERN NAT LA NAT GAS             | M8  | 90                 | 0                  | 0.0%      | 0                  | 0.0%    | 612                  | 4,280                | -85.7%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                          |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG    | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>              |     |                    |                    |          |                    |         |                      |                      |          |
| SOUTH STAR TEX OKLHM KNS           | 8Z  | 0                  | 330                | -100.0%  | 1,104              | -100.0% | 1,368                | 4,470                | -69.4%   |
| Sumas Basis Swap                   | NK  | 460                | 1,734              | -73.5%   | 787                | -41.6%  | 14,235               | 10,165               | 40.0%    |
| SUMAS NAT GAS PLATTS FIXED PRICE   | DVS | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 2,893                | -100.0%  |
| TC2 ROTTERDAM TO USAC 37K          | TM  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 13                   | -100.0%  |
| TC5 RAS TANURA TO YOKOHAM          | TH  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 15                   | 30                   | -50.0%   |
| TCO BASIS SWAP                     | TC  | 8,295              | 7,453              | 11.3%    | 1,345              | 516.7%  | 25,709               | 27,755               | -7.4%    |
| TCO NG INDEX SWAP                  | Q1  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 3,904                | -100.0%  |
| TD3 MEG TO JAPAN 250K MT           | TL  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| TENN 800 LEG NAT GAS INDE          | L4  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 1,285                | 0                    | 0.0%     |
| TENNESSEE 500 LEG BASIS S          | NM  | 360                | 0                  | 0.0%     | 331                | 8.8%    | 1,084                | 5,406                | -79.9%   |
| TENNESSEE 500 LEG NG INDE          | Y7  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| TENNESSEE 500 LEG NG SWIN          | T7  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| TENNESSEE 800 LEG NG BASI          | 6Z  | 730                | 1,464              | -50.1%   | 0                  | 0.0%    | 1,526                | 3,908                | -61.0%   |
| TENNESSEE ZONE 0 BASIS SW          | NQ  | 0                  | 0                  | 0.0%     | 604                | -100.0% | 2,600                | 0                    | 0.0%     |
| Tetco ELA Basis                    | TE  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 368                  | -100.0%  |
| TETCO M-3 INDEX                    | IX  | 600                | 0                  | 0.0%     | 279                | 115.1%  | 8,063                | 4,464                | 80.6%    |
| Tetco STX Basis                    | TX  | 0                  | 0                  | 0.0%     | 730                | -100.0% | 1,611                | 3,574                | -54.9%   |
| TEXAS EASTERN ZONE M-3 BA          | NX  | 10,735             | 696                | 1,442.4% | 8,531              | 25.8%   | 66,511               | 10,949               | 507.5%   |
| TEXAS GAS ZONE1 NG BASIS           | 9F  | 0                  | 60                 | -100.0%  | 0                  | 0.0%    | 0                    | 16,156               | -100.0%  |
| TRANSCO ZONE 1 NG BASIS            | 8E  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 368                  | -100.0%  |
| Transco Zone 3 Basis               | CZ  | 120                | 608                | -80.3%   | 0                  | 0.0%    | 730                  | 5,642                | -87.1%   |
| TRANSCO ZONE4 BASIS SWAP           | TR  | 856                | 428                | 100.0%   | 1,567              | -45.4%  | 17,065               | 65,161               | -73.8%   |
| TRANSCO ZONE 4 NAT GAS IN          | B2  | 0                  | 0                  | 0.0%     | 744                | -100.0% | 1,457                | 868                  | 67.9%    |
| TRANSCO ZONE 6 BASIS SWAP          | NZ  | 674                | 0                  | 0.0%     | 1,219              | -44.7%  | 7,063                | 6,003                | 17.7%    |
| TRANSCO ZONE 6 INDEX               | IT  | 120                | 0                  | 0.0%     | 604                | -80.1%  | 6,134                | 76                   | 7,971.1% |
| TRANSCO ZONE 6 PIPE SWAP           | XZ4 | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 122                  | -100.0%  |
| UCM FUT                            | UCM | 30                 | 60                 | -50.0%   | 10                 | 200.0%  | 261                  | 288                  | -9.4%    |
| ULSD 10PPM CIF MED BALMO           | X7  | 0                  | 0                  | -        | 0                  | 0.0%    | 38                   | 0                    | -        |
| ULSD 10PPM CIF MED SWAP            | Z6  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 45                   | 0                    | 0.0%     |
| ULSD 10PPM CIF MED VS ICE          | Z7  | 10                 | 80                 | -87.5%   | 46                 | -78.3%  | 164                  | 681                  | -75.9%   |
| ULSD 10PPM CIF NW BALMO S          | B1  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| ULSD 10PPM CIF VS ICE GAS          | 7V  | 0                  | 5                  | -100.0%  | 0                  | 0.0%    | 35                   | 25                   | 40.0%    |
| ULSD UP-DOWN BALMO SWP             | 1L  | 11,350             | 1,400              | 710.7%   | 9,862              | 15.1%   | 43,760               | 25,403               | 72.3%    |
| UP DOWN GC ULSD VS NMX HO          | LT  | 59,864             | 24,524             | 144.1%   | 68,604             | -12.7%  | 434,370              | 288,723              | 50.4%    |
| USGC UNL 87 CRACK SPREAD           | RU  | 0                  | 450                | -100.0%  | 0                  | 0.0%    | 175                  | 2,525                | -93.1%   |
| VENTURA NAT GAS PLATTS FIXED PRICE | DVA | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 44                   | -100.0%  |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|---------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|---------|
| <b>Energy Futures</b>     |     |                    |                    |         |                    |          |                      |                      |         |
| WAHA BASIS                | NW  | 3,850              | 6,798              | -43.4%  | 6,891              | -44.1%   | 39,520               | 21,710               | 82.0%   |
| WAHA INDEX SWAP FUTURE    | IY  | 480                | 0                  | 0.0%    | 620                | -22.6%   | 8,420                | 0                    | 0.0%    |
| WESTERN RAIL DELIVERY PRB | QP  | 690                | 1,650              | -58.2%  | 355                | 94.4%    | 8,057                | 18,740               | -57.0%  |
| WTI-BRENT BULLET SWAP     | BY  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| WTI-BRENT CALENDAR SWAP   | BK  | 12,231             | 25,120             | -51.3%  | 17,120             | -28.6%   | 98,418               | 187,036              | -47.4%  |
| WTI CALENDAR              | CS  | 23,753             | 28,843             | -17.6%  | 20,942             | 13.4%    | 236,009              | 300,879              | -21.6%  |
| WTS (ARGUS) VS WTI SWAP   | FF  | 6,720              | 3,459              | 94.3%   | 450                | 1,393.3% | 14,102               | 53,040               | -73.4%  |
| WTS (ARGUS) VS WTI TRD MT | FH  | 855                | 3,080              | -72.2%  | 1,010              | -15.3%   | 8,581                | 17,141               | -49.9%  |
| <b>Energy Options</b>     |     |                    |                    |         |                    |          |                      |                      |         |
| 1 MO GASOIL CAL SWAP SPR  | GXA | 0                  | 0                  | -       | 0                  | 0.0%     | 0                    | 0                    | -       |
| APPALACHIAN COAL          | 6K  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 40                   | -100.0% |
| BRENT 1 MONTH CAL         | AA  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%    |
| BRENT CALENDAR SWAP       | BA  | 600                | 1,550              | -61.3%  | 0                  | 0.0%     | 11,228               | 148,381              | -92.4%  |
| BRENT OIL LAST DAY        | BE  | 4,000              | 2,700              | 48.1%   | 5,150              | -22.3%   | 34,215               | 46,467               | -26.4%  |
| BRENT OIL LAST DAY        | BZO | 29,424             | 0                  | -       | 26,602             | 10.6%    | 125,555              | 0                    | -       |
| BRENT OIL LAST DAY        | OS  | 604                | 2,713              | -77.7%  | 704                | -14.2%   | 11,826               | 50,939               | -76.8%  |
| COAL API2 INDEX           | CLA | 3,025              | 10,688             | -71.7%  | 3,670              | -17.6%   | 47,857               | 40,623               | 17.8%   |
| COAL API2 INDEX           | CQA | 850                | 5,210              | -83.7%  | 700                | 21.4%    | 101,734              | 58,687               | 73.4%   |
| COAL API2 INDEX           | MTC | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 150                  | 151                  | -0.7%   |
| COAL API4 INDEX           | RLA | 0                  | 25                 | -100.0% | 0                  | 0.0%     | 50                   | 1,175                | -95.7%  |
| COAL API4 INDEX           | RQA | 0                  | 250                | -100.0% | 0                  | 0.0%     | 1,330                | 350                  | 280.0%  |
| COAL SWAP                 | CPF | 200                | 125                | 60.0%   | 0                  | 0.0%     | 585                  | 660                  | -11.4%  |
| COAL SWAP                 | RPF | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 86                   | 1,990                | -95.7%  |
| CRUDE OIL 1MO             | WA  | 255,873            | 295,730            | -13.5%  | 330,021            | -22.5%   | 1,980,530            | 1,819,487            | 8.9%    |
| CRUDE OIL APO             | AO  | 44,388             | 34,345             | 29.2%   | 19,993             | 122.0%   | 217,684              | 619,967              | -64.9%  |
| CRUDE OIL CALNDR STRIP    | 6F  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%    |
| CRUDE OIL OUTRIGHTS       | AH  | 1,140              | 0                  | 0.0%    | 0                  | 0.0%     | 2,290                | 600                  | 281.7%  |
| CRUDE OIL OUTRIGHTS       | DBP | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 900                  | -100.0% |
| CRUDE OIL PHY             | CD  | 2,850              | 575                | 395.7%  | 1,300              | 119.2%   | 28,175               | 13,250               | 112.6%  |
| CRUDE OIL PHY             | LC  | 12,685             | 52,359             | -75.8%  | 23,798             | -46.7%   | 283,163              | 396,833              | -28.6%  |
| CRUDE OIL PHY             | LO  | 3,995,067          | 4,163,403          | -4.0%   | 3,414,591          | 17.0%    | 29,865,865           | 27,328,531           | 9.3%    |
| CRUDE OIL PHY             | LO1 | 10,780             | 7,892              | 36.6%   | 3,991              | 170.1%   | 45,893               | 35,381               | 29.7%   |
| CRUDE OIL PHY             | LO2 | 3,688              | 3,408              | 8.2%    | 2,967              | 24.3%    | 33,027               | 25,026               | 32.0%   |
| CRUDE OIL PHY             | LO3 | 5,258              | 4,294              | 22.4%   | 0                  | 0.0%     | 19,509               | 18,879               | 3.3%    |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                            |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG   | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |
|--------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Options</b>                |     |                    |                    |         |                    |         |                      |                      |         |
| CRUDE OIL PHY                        | LO4 | 4,315              | 3,088              | 39.7%   | 3,010              | 43.4%   | 33,653               | 21,375               | 57.4%   |
| CRUDE OIL PHY                        | LO5 | 0                  | 0                  | 0.0%    | 4,672              | -100.0% | 15,549               | 10,695               | 45.4%   |
| DAILY CRUDE OIL                      | DNM | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 8,000                | -100.0% |
| ELEC FINSETTLED                      | PML | 14                 | 6                  | 133.3%  | 50                 | -72.0%  | 227                  | 35                   | 548.6%  |
| ELEC MISO PEAK                       | 9T  | 0                  | 0                  | -       | 0                  | 0.0%    | 2,580                | 0                    | -       |
| ELEC MISO PEAK                       | OEM | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK                 | N9P | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ETHANOL                              | CE1 | 0                  | 0                  | -       | 0                  | 0.0%    | 25                   | 0                    | -       |
| ETHANOL                              | CE3 | 0                  | 0                  | -       | 0                  | 0.0%    | 25                   | 0                    | -       |
| ETHANOL SWAP                         | CVR | 5,623              | 3,114              | 80.6%   | 4,392              | 28.0%   | 44,318               | 45,071               | -1.7%   |
| ETHANOL SWAP                         | GVR | 0                  | 0                  | 0.0%    | 430                | -100.0% | 2,318                | 1,564                | 48.2%   |
| EURO-DENOMINATED PETRO PROD          | EFB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| EURO-DENOMINATED PETRO PROD          | NWE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| EUROPEAN JET KEROSENE NWE (PLATTS) A | 30  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 60                   | 0                    | 0.0%    |
| GASOIL CRACK SPREAD AVG PRICE OPTION | 3U  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| GASOLINE                             | GCE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 872                  | 125                  | 597.6%  |
| HEATING OIL PHY                      | LB  | 690                | 477                | 44.7%   | 1,288              | -46.4%  | 3,299                | 4,571                | -27.8%  |
| HEATING OIL PHY                      | OH  | 43,711             | 47,567             | -8.1%   | 49,865             | -12.3%  | 439,889              | 418,975              | 5.0%    |
| HENRY HUB FINANCIAL LAST             | E7  | 591                | 1,534              | -61.5%  | 2,003              | -70.5%  | 15,937               | 19,265               | -17.3%  |
| HO 1 MONTH CLNDR OPTIONS             | FA  | 0                  | 1,300              | -100.0% | 0                  | 0.0%    | 5,700                | 3,000                | 90.0%   |
| HUSTN SHIP CHNL PIPE SWP             | PK  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 3,360                | -100.0% |
| ISO NEW ENGLAND PK LMP               | OE  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| LLS CRUDE OIL                        | WJO | 600                | 0                  | -       | 2,400              | -75.0%  | 11,730               | 0                    | -       |
| MCCLOSKEY ARA ARGS COAL              | MTO | 0                  | 0                  | 0.0%    | 300                | -100.0% | 8,995                | 3,735                | 140.8%  |
| MCCLOSKEY RCH BAY COAL               | MFO | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 2,385                | 1,200                | 98.8%   |
| NATURAL GAS                          | G10 | 0                  | 0                  | -       | 0                  | 0.0%    | 500                  | 0                    | -       |
| NATURAL GAS 12 M CSO FIN             | G7  | 0                  | 500                | -100.0% | 0                  | 0.0%    | 0                    | 1,000                | -100.0% |
| NATURAL GAS 1 M CSO FIN              | G4  | 7,049              | 6,950              | 1.4%    | 3,000              | 135.0%  | 43,579               | 198,834              | -78.1%  |
| NATURAL GAS 2 M CSO FIN              | G2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 1,000                | 2,950                | -66.1%  |
| NATURAL GAS 3 M CSO FIN              | G3  | 17,475             | 22,845             | -23.5%  | 17,037             | 2.6%    | 174,199              | 55,830               | 212.0%  |
| NATURAL GAS 5 M CSO FIN              | G5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 1,200                | 2,700                | -55.6%  |
| NATURAL GAS 6 M CSO FIN              | G6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 4,100                | 44,900               | -90.9%  |
| NATURAL GAS OPTION ON CALENDAR STRP  | 6J  | 2,630              | 540                | 387.0%  | 900                | 192.2%  | 16,008               | 9,180                | 74.4%   |
| NATURAL GAS PHY                      | KD  | 26,432             | 17,225             | 53.5%   | 17,275             | 53.0%   | 259,276              | 168,979              | 53.4%   |
| NATURAL GAS PHY                      | LN  | 2,007,924          | 1,144,823          | 75.4%   | 1,956,091          | 2.6%    | 15,392,611           | 11,795,796           | 30.5%   |
| NATURAL GAS PHY                      | ON  | 271,170            | 156,946            | 72.8%   | 312,093            | -13.1%  | 2,235,797            | 1,699,373            | 31.6%   |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                     |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG    |
|-------------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|----------|
| <b>Energy Options</b>         |     |                    |                    |         |                    |          |                      |                      |          |
| NATURAL GAS PHY               | ON1 | 2                  | 0                  | 0.0%    | 0                  | -        | 2                    | 0                    | 0.0%     |
| NATURAL GAS PHY               | ON2 | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| NATURAL GAS PHY               | ON3 | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| NATURAL GAS PHY               | ON4 | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| NATURAL GAS PHY               | ON5 | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 25                   | -100.0%  |
| NATURAL GAS SUMMER STRIP      | 4D  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%     |
| NG HH 3 MONTH CAL             | IC  | 0                  | 0                  | -       | 0                  | 0.0%     | 500                  | 0                    | -        |
| N ROCKIES PIPE SWAP           | ZR  | 720                | 996                | -27.7%  | 720                | 0.0%     | 4,230                | 4,529                | -6.6%    |
| NY HARBOR HEAT OIL SWP        | AT  | 5,061              | 13,069             | -61.3%  | 6,819              | -25.8%   | 47,275               | 114,290              | -58.6%   |
| NYISO ZONE G 5MW PEAK OPTIONS | 9U  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 420                  | 110                  | 281.8%   |
| NYMEX EUROPEAN GASOIL APO     | F7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 1,462                | -100.0%  |
| NYMEX EUROPEAN GASOIL OPT     | F8  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 240                  | -100.0%  |
| PETROCHEMICALS                | 4H  | 949                | 1,329              | -28.6%  | 432                | 119.7%   | 10,419               | 10,954               | -4.9%    |
| PETROCHEMICALS                | 4I  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PETROCHEMICALS                | 4J  | 0                  | 0                  | 0.0%    | 1,095              | -100.0%  | 4,455                | 1,690                | 163.6%   |
| PETROCHEMICALS                | 4K  | 900                | 0                  | 0.0%    | 0                  | 0.0%     | 900                  | 0                    | 0.0%     |
| PETROCHEMICALS                | CPR | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 495                  | 14                   | 3,435.7% |
| PETRO OUTRIGHT EURO           | 8H  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 180                  | -100.0%  |
| PGE CITYGATE PIPE SWAP        | CW  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PJM CALENDAR STRIP            | 6O  | 0                  | 160                | -100.0% | 0                  | 0.0%     | 0                    | 1,040                | -100.0%  |
| PJM ELECTRIC                  | 6OO | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PJM MONTHLY                   | JO  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PJM WES HUB PEAK CAL MTH      | 6OA | 170                | 180                | -5.6%   | 280                | -39.3%   | 590                  | 200                  | 195.0%   |
| PJM WES HUB PEAK CAL MTH      | JOA | 0                  | 0                  | -       | 0                  | 0.0%     | 10,300               | 0                    | -        |
| PJM WES HUB PEAK LMP 50MW     | PMA | 7,301              | 0                  | -       | 215                | 3,295.8% | 9,211                | 0                    | -        |
| RBOB 1MO CAL SPD OPTIONS      | ZA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 3,400                | 0                    | 0.0%     |
| RBOB CALENDAR SWAP            | RA  | 300                | 1,908              | -84.3%  | 0                  | 0.0%     | 6,099                | 16,931               | -64.0%   |
| RBOB PHY                      | OB  | 28,855             | 35,773             | -19.3%  | 20,360             | 41.7%    | 314,704              | 253,498              | 24.1%    |
| RBOB PHY                      | RF  | 0                  | 150                | -100.0% | 0                  | 0.0%     | 20                   | 5,400                | -99.6%   |
| ROTTERDAM 3.5%FUEL OIL CL     | Q6  | 120                | 0                  | 0.0%    | 0                  | 0.0%     | 520                  | 365                  | 42.5%    |
| SAN JUAN PIPE SWAP            | PJ  | 1,536              | 728                | 111.0%  | 720                | 113.3%   | 7,848                | 4,004                | 96.0%    |
| SHORT TERM                    | U11 | 650                | 500                | 30.0%   | 100                | 550.0%   | 2,250                | 2,860                | -21.3%   |
| SHORT TERM                    | U12 | 550                | 150                | 266.7%  | 600                | -8.3%    | 3,330                | 1,840                | 81.0%    |
| SHORT TERM                    | U13 | 0                  | 200                | -100.0% | 100                | -100.0%  | 3,411                | 1,585                | 115.2%   |
| SHORT TERM                    | U14 | 0                  | 0                  | 0.0%    | 800                | -100.0%  | 4,425                | 1,250                | 254.0%   |
| SHORT TERM                    | U15 | 625                | 0                  | 0.0%    | 125                | 400.0%   | 2,600                | 1,525                | 70.5%    |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                   | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG | VOLUME<br>JUL 2016 | % CHG  | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG   |         |
|-----------------------------|--------------------|--------------------|-------|--------------------|--------|----------------------|----------------------|---------|---------|
| <b>Energy Options</b>       |                    |                    |       |                    |        |                      |                      |         |         |
| SHORT TERM                  | U22                | 500                | 0     | 0.0%               | 500    | 0.0%                 | 2,875                | 810     | 254.9%  |
| SHORT TERM                  | U23                | 400                | 0     | 0.0%               | 0      | 0.0%                 | 1,080                | 2,010   | -46.3%  |
| SHORT TERM                  | U24                | 400                | 525   | -23.8%             | 0      | 0.0%                 | 1,780                | 1,825   | -2.5%   |
| SHORT TERM                  | U25                | 300                | 325   | -7.7%              | 0      | 0.0%                 | 505                  | 950     | -46.8%  |
| SHORT TERM                  | U26                | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 1,230                | 350     | 251.4%  |
| SHORT TERM CRUDE OIL        | C02                | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| SHORT TERM CRUDE OIL        | C05                | 0                  | 0     | 0.0%               | 0      | -                    | 0                    | 0       | 0.0%    |
| SHORT TERM NATURAL GAS      | U01                | 100                | 350   | -71.4%             | 300    | -66.7%               | 3,375                | 930     | 262.9%  |
| SHORT TERM NATURAL GAS      | U02                | 175                | 0     | 0.0%               | 0      | 0.0%                 | 3,250                | 1,898   | 71.2%   |
| SHORT TERM NATURAL GAS      | U03                | 220                | 0     | 0.0%               | 0      | 0.0%                 | 945                  | 1,625   | -41.8%  |
| SHORT TERM NATURAL GAS      | U04                | 1,600              | 75    | 2,033.3%           | 0      | 0.0%                 | 4,100                | 1,175   | 248.9%  |
| SHORT TERM NATURAL GAS      | U05                | 400                | 350   | 14.3%              | 300    | 33.3%                | 2,725                | 850     | 220.6%  |
| SHORT TERM NATURAL GAS      | U06                | 0                  | 750   | -100.0%            | 100    | -100.0%              | 1,930                | 2,175   | -11.3%  |
| SHORT TERM NATURAL GAS      | U07                | 0                  | 400   | -100.0%            | 300    | -100.0%              | 3,500                | 2,120   | 65.1%   |
| SHORT TERM NATURAL GAS      | U08                | 1,175              | 0     | 0.0%               | 0      | 0.0%                 | 3,222                | 1,625   | 98.3%   |
| SHORT TERM NATURAL GAS      | U09                | 600                | 0     | 0.0%               | 0      | 0.0%                 | 3,992                | 3,181   | 25.5%   |
| SHORT TERM NATURAL GAS      | U10                | 430                | 400   | 7.5%               | 0      | 0.0%                 | 3,995                | 2,000   | 99.7%   |
| SHORT TERM NATURAL GAS      | U16                | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 3,310                | 2,250   | 47.1%   |
| SHORT TERM NATURAL GAS      | U17                | 175                | 150   | 16.7%              | 0      | 0.0%                 | 955                  | 1,185   | -19.4%  |
| SHORT TERM NATURAL GAS      | U18                | 725                | 200   | 262.5%             | 525    | 38.1%                | 2,805                | 675     | 315.6%  |
| SHORT TERM NATURAL GAS      | U19                | 200                | 350   | -42.9%             | 0      | 0.0%                 | 1,280                | 2,595   | -50.7%  |
| SHORT TERM NATURAL GAS      | U20                | 0                  | 350   | -100.0%            | 0      | 0.0%                 | 1,030                | 1,530   | -32.7%  |
| SHORT TERM NATURAL GAS      | U21                | 0                  | 200   | -100.0%            | 100    | -100.0%              | 575                  | 1,550   | -62.9%  |
| SHORT TERM NATURAL GAS      | U27                | 0                  | 0     | 0.0%               | 100    | -100.0%              | 900                  | 1,025   | -12.2%  |
| SHORT TERM NATURAL GAS      | U28                | 0                  | 0     | 0.0%               | 1,250  | -100.0%              | 3,275                | 375     | 773.3%  |
| SHORT TERM NATURAL GAS      | U29                | 75                 | 0     | 0.0%               | 225    | -66.7%               | 2,525                | 700     | 260.7%  |
| SHORT TERM NATURAL GAS      | U30                | 250                | 0     | 0.0%               | 0      | 0.0%                 | 850                  | 3,225   | -73.6%  |
| SHORT TERM NATURAL GAS      | U31                | 100                | 50    | 100.0%             | 0      | 0.0%                 | 850                  | 250     | 240.0%  |
| SINGAPORE FUEL OIL 180 CS   | C5                 | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| SINGAPORE GASOIL CALENDAR   | M2                 | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 0                    | 0       | 0.0%    |
| SINGAPORE JET FUEL CALENDAR | N2                 | 0                  | 1,200 | -100.0%            | 0      | 0.0%                 | 0                    | 1,200   | -100.0% |
| SOCAL PIPE SWAP             | ZN                 | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 10,000               | 0       | 0.0%    |
| WTI 12 MONTH CALENDAR OPT   | WZ                 | 0                  | 0     | 0.0%               | 0      | 0.0%                 | 0                    | 500     | -100.0% |
| WTI 6 MONTH CALENDAR OPTI   | WM                 | 0                  | 0     | 0.0%               | 0      | -                    | 0                    | 0       | 0.0%    |
| WTI-BRENT BULLET SWAP       | BV                 | 15,210             | 9,625 | 58.0%              | 14,350 | 6.0%                 | 152,050              | 178,135 | -14.6%  |
| WTI CRUDE OIL 12 M CSO F    | 7Z                 | 0                  | 0     | 0.0%               | 0      | -                    | 0                    | 0       | 0.0%    |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                        |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG   | VOLUME<br>JUL 2016 | % CHG    | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG  |
|----------------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|--------|
| <b>Energy Options</b>            |     |                    |                    |         |                    |          |                      |                      |        |
| WTI CRUDE OIL 1 M CSO FI         | 7A  | 77,900             | 218,925            | -64.4%  | 109,000            | -28.5%   | 1,255,293            | 1,289,445            | -2.6%  |
| <b>Metals Futures</b>            |     |                    |                    |         |                    |          |                      |                      |        |
| COMEX GOLD                       | GC  | 4,387,859          | 3,431,565          | 27.9%   | 5,798,480          | -24.3%   | 39,096,986           | 29,090,941           | 34.4%  |
| NYMEX HOT ROLLED STEEL           | HR  | 5,006              | 6,156              | -18.7%  | 3,415              | 46.6%    | 38,202               | 36,435               | 4.8%   |
| NYMEX PLATINUM                   | PL  | 278,246            | 268,391            | 3.7%    | 279,689            | -0.5%    | 2,451,730            | 2,245,975            | 9.2%   |
| PALLADIUM                        | PA  | 169,852            | 185,094            | -8.2%   | 104,219            | 63.0%    | 943,685              | 935,603              | 0.9%   |
| URANIUM                          | UX  | 0                  | 1                  | -100.0% | 0                  | 0.0%     | 6,493                | 2,348                | 176.5% |
| COMEX SILVER                     | SI  | 1,939,332          | 1,510,998          | 28.3%   | 1,458,746          | 32.9%    | 12,251,140           | 9,367,948            | 30.8%  |
| COMEX E-Mini GOLD                | QO  | 7,956              | 4,947              | 60.8%   | 15,804             | -49.7%   | 88,632               | 45,668               | 94.1%  |
| E-MINI SILVER                    | 6Q  | 0                  | 0                  | 0.0%    | 0                  | -        | 0                    | 0                    | 0.0%   |
| COMEX E-Mini SILVER              | QI  | 1,618              | 1,021              | 58.5%   | 2,179              | -25.7%   | 10,178               | 7,399                | 37.6%  |
| COMEX COPPER                     | HG  | 1,875,956          | 1,753,097          | 7.0%    | 1,510,169          | 24.2%    | 13,766,886           | 11,668,116           | 18.0%  |
| COMEX MINY COPPER                | QC  | 417                | 1,081              | -61.4%  | 334                | 24.9%    | 4,533                | 7,151                | -36.6% |
| Aluminium MW Trans Prem Platts   | AUP | 4,963              | 4,555              | 9.0%    | 6,192              | -19.8%   | 48,362               | 25,787               | 87.5%  |
| ALUMINUM                         | A38 | 21                 | 0                  | -       | 50                 | -58.0%   | 71                   | 0                    | -      |
| ALUMINUM                         | AEP | 1,440              | 0                  | -       | 1,350              | 6.7%     | 8,969                | 0                    | -      |
| ALUMINUM                         | ALI | 668                | 63                 | 960.3%  | 665                | 0.5%     | 5,062                | 2,452                | 106.4% |
| ALUMINUM                         | EDP | 1,580              | 0                  | -       | 420                | 276.2%   | 4,070                | 0                    | -      |
| ALUMINUM                         | MJP | 860                | 0                  | -       | 341                | 152.2%   | 5,523                | 0                    | -      |
| COPPER                           | HGS | 463                | 995                | -53.5%  | 30                 | 1,443.3% | 3,301                | 3,580                | -7.8%  |
| E-MICRO GOLD                     | MGC | 56,462             | 43,364             | 30.2%   | 97,398             | -42.0%   | 723,972              | 240,709              | 200.8% |
| FERROUS PRODUCTS                 | BUS | 40                 | 0                  | 0.0%    | 0                  | 0.0%     | 550                  | 550                  | 0.0%   |
| FERROUS PRODUCTS                 | SSF | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| Gold Kilo                        | GCK | 4,083              | 3,385              | 20.6%   | 3,717              | 9.8%     | 40,021               | 28,317               | 41.3%  |
| IRON ORE 58 CHINA TSI FUTURES    | TIC | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| IRON ORE 62 CHINA PLATTS FUTURES | PIO | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 2,470                | 2,508                | -1.5%  |
| IRON ORE 62 CHINA TSI FUTURES    | TIO | 13,113             | 9,251              | 41.7%   | 12,551             | 4.5%     | 136,447              | 76,595               | 78.1%  |
| LNDN ZINC                        | ZNC | 14                 | 119                | -88.2%  | 35                 | -60.0%   | 200                  | 187                  | 7.0%   |
| METALS                           | LED | 10                 | 0                  | -       | 0                  | 0.0%     | 15                   | 0                    | -      |
| SILVER                           | SIL | 11,552             | 8,169              | 41.4%   | 12,077             | -4.3%    | 70,762               | 68,853               | 2.8%   |



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                                       |     | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG        | VOLUME<br>JUL 2016 | % CHG        | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG        |
|---|-----|--------------------|--------------------|--------------|--------------------|--------------|----------------------|----------------------|--------------|
| <b>Metals Options</b>                           |     |                    |                    |              |                    |              |                      |                      |              |
| COMEX COPPER                                    | HX  | 3,351              | 2,106              | 59.1%        | 5,791              | -42.1%       | 22,665               | 17,294               | 31.1%        |
| COMEX GOLD                                      | OG  | 603,984            | 656,096            | -7.9%        | 585,536            | 3.2%         | 6,387,885            | 5,149,053            | 24.1%        |
| COMEX SILVER                                    | SO  | 125,379            | 102,749            | 22.0%        | 134,625            | -6.9%        | 925,971              | 907,213              | 2.1%         |
| COPPER  | H4E | 0                  | 0                  | 0.0%         | 0                  | 0.0%         | 0                    | 10                   | -100.0%      |
| GOLD  | OG1 | 1,737              | 744                | 133.5%       | 463                | 275.2%       | 8,856                | 3,308                | 167.7%       |
| GOLD  | OG2 | 947                | 245                | 286.5%       | 1,905              | -50.3%       | 9,237                | 5,053                | 82.8%        |
| GOLD  | OG3 | 341                | 274                | 24.5%        | 1,383              | -75.3%       | 6,943                | 4,136                | 67.9%        |
| GOLD  | OG4 | 379                | 650                | -41.7%       | 934                | -59.4%       | 4,848                | 2,138                | 126.8%       |
| GOLD  | OG5 | 0                  | 0                  | 0.0%         | 626                | -100.0%      | 2,436                | 1,099                | 121.7%       |
| HOT ROLLED COIL STEEL CALL OPTION               | HRO | 0                  | 0                  | 0.0%         | 0                  | -            | 0                    | 0                    | 0.0%         |
| HOT ROLLED COIL STEEL PUT OPTION                | HRO | 0                  | 0                  | 0.0%         | 0                  | -            | 0                    | 0                    | 0.0%         |
| IRON ORE 62 CHINA TSI CALL OPTION               | ICT | 2,308              | 0                  | 0.0%         | 1,230              | 87.6%        | 35,509               | 14,310               | 148.1%       |
| IRON ORE 62 CHINA TSI PUT OPTION                | ICT | 800                | 1,680              | -52.4%       | 5,162              | -84.5%       | 24,186               | 40,350               | -40.1%       |
| NYMEX PLATINUM                                  | PO  | 6,803              | 926                | 634.7%       | 2,657              | 156.0%       | 34,488               | 42,400               | -18.7%       |
| PALLADIUM                                       | PAO | 4,910              | 3,979              | 23.4%        | 5,392              | -8.9%        | 26,398               | 31,707               | -16.7%       |
| SHORT TERM                                      | L11 | 0                  | 0                  | 0.0%         | 0                  | -            | 0                    | 0                    | 0.0%         |
| SHORT TERM GOLD                                 | L02 | 0                  | 0                  | 0.0%         | 0                  | -            | 0                    | 0                    | 0.0%         |
| SHORT TERM GOLD                                 | L18 | 0                  | 0                  | 0.0%         | 0                  | -            | 0                    | 0                    | 0.0%         |
| SILVER  | SO1 | 10                 | 0                  | 0.0%         | 0                  | 0.0%         | 22                   | 423                  | -94.8%       |
| SILVER  | SO2 | 0                  | 0                  | 0.0%         | 0                  | 0.0%         | 1                    | 182                  | -99.5%       |
| SILVER  | SO3 | 0                  | 0                  | 0.0%         | 195                | -100.0%      | 200                  | 194                  | 3.1%         |
| SILVER  | SO4 | 10                 | 1                  | 900.0%       | 1                  | 900.0%       | 20                   | 141                  | -85.8%       |
| SILVER  | SO5 | 0                  | 0                  | 0.0%         | 0                  | 0.0%         | 6                    | 203                  | -97.0%       |
| <b>TOTAL FUTURES GROUP</b>                      |     |                    |                    |              |                    |              |                      |                      |              |
| Commodities and Alternative Investments Futures |     | 623                | 478                | 30.3%        | 366                | 70.2%        | 3,125                | 2,971                | 5.2%         |
| Energy Futures                                  |     | 44,487,288         | 38,174,237         | 16.5%        | 37,736,878         | 17.9%        | 345,103,027          | 280,131,013          | 23.2%        |
| Metals Futures                                  |     | 8,761,511          | 7,232,252          | 21.1%        | 9,307,861          | -5.9%        | 69,708,260           | 53,857,122           | 29.4%        |
| <b>TOTAL FUTURES</b>                            |     | <b>53,249,422</b>  | <b>45,406,967</b>  | <b>17.3%</b> | <b>47,045,105</b>  | <b>13.2%</b> | <b>414,814,412</b>   | <b>333,991,106</b>   | <b>24.2%</b> |

The information herein is taken from source believed to be reliable. However, it is intended for the purposes of information and education only and is not guaranteed by the CME Group as to accuracy, completeness, nor trading results and does not constitute advice or continue a solicitation of the purchase or sale of any futures or options. The Rules and Regulations of the CME Group should be consulted as the authoritative source on all current contract specifications and regulations. The open interest values are based on preliminary open interest values only.



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                               | VOLUME<br>AUG 2016 | VOLUME<br>AUG 2015 | % CHG        | VOLUME<br>JUL 2016 | % CHG        | VOLUME<br>Y.T.D 2016 | VOLUME<br>Y.T.D 2015 | % CHG        |
|---|--------------------|--------------------|--------------|--------------------|--------------|----------------------|----------------------|--------------|
| <b>TOTAL OPTIONS GROUP</b>              |                    |                    |              |                    |              |                      |                      |              |
| Energy Options                          | 6,907,330          | 6,281,550          | 10.0%        | 6,367,709          | 8.5%         | 53,438,190           | 47,060,986           | 13.6%        |
| Metals Options                          | 750,959            | 769,450            | -2.4%        | 745,900            | 0.7%         | 7,489,671            | 6,219,214            | 20.4%        |
| <b>TOTAL OPTIONS</b>                    | <b>7,658,289</b>   | <b>7,051,000</b>   | <b>8.6%</b>  | <b>7,113,609</b>   | <b>7.7%</b>  | <b>60,927,861</b>    | <b>53,280,200</b>    | <b>14.4%</b> |
| <b>TOTAL COMBINED</b>                   |                    |                    |              |                    |              |                      |                      |              |
| Commodities and Alternative Investments | 623                | 478                | 30.3%        | 366                | 70.2%        | 3,125                | 2,971                | 5.2%         |
| Energy                                  | 51,394,618         | 44,455,787         | 15.6%        | 44,104,587         | 16.5%        | 398,541,217          | 327,191,999          | 21.8%        |
| Metals                                  | 9,512,470          | 8,001,702          | 18.9%        | 10,053,761         | -5.4%        | 77,197,931           | 60,076,336           | 28.5%        |
| <b>GRAND TOTAL</b>                      | <b>60,907,711</b>  | <b>52,457,967</b>  | <b>16.1%</b> | <b>54,158,714</b>  | <b>12.5%</b> | <b>475,742,273</b>   | <b>387,271,306</b>   | <b>22.8%</b> |