



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                  |    | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|----------------------------|----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Ag Products Futures</b> |    |                    |                    |         |                    |         |                      |                      |         |
| COCOA TAS                  | CJ | 0                  | 7                  | -100.0% | 0                  | 0.0%    | 5                    | 81                   | -93.8%  |
| COFFEE                     | KT | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 40                   | -100.0% |
| COTTON                     | TT | 0                  | 1                  | -100.0% | 0                  | 0.0%    | 2                    | 15                   | -86.7%  |
| SUGAR 11                   | YO | 0                  | 7                  | -100.0% | 0                  | 0.0%    | 58                   | 32                   | 81.2%   |
| <b>Energy Futures</b>      |    |                    |                    |         |                    |         |                      |                      |         |
| CRUDE OIL PHY              | CL | 28,577,603         | 29,140,589         | -1.9%   | 30,950,737         | -7.7%   | 167,796,459          | 147,267,288          | 13.9%   |
| CRUDE OIL                  | WS | 2,000              | 0                  | 0.0%    | 4,000              | -50.0%  | 10,339               | 33,279               | -68.9%  |
| MINY WTI CRUDE OIL         | QM | 380,831            | 307,971            | 23.7%   | 408,772            | -6.8%   | 1,976,858            | 1,560,963            | 26.6%   |
| BRENT OIL LAST DAY         | BZ | 2,192,103          | 2,164,588          | 1.3%    | 2,152,389          | 1.8%    | 11,199,214           | 12,344,542           | -9.3%   |
| HEATING OIL PHY            | HO | 3,738,044          | 3,642,296          | 2.6%    | 4,334,594          | -13.8%  | 24,223,600           | 20,754,049           | 16.7%   |
| HTG OIL                    | BH | 0                  | 48                 | -100.0% | 0                  | 0.0%    | 48                   | 132                  | -63.6%  |
| MINY HTG OIL               | QH | 3                  | 1                  | 200.0%  | 2                  | 50.0%   | 18                   | 14                   | 28.6%   |
| RBOB PHY                   | RB | 4,174,973          | 4,454,360          | -6.3%   | 4,569,079          | -8.6%   | 24,909,845           | 25,081,979           | -0.7%   |
| MINY RBOB GAS              | QU | 4                  | 4                  | 0.0%    | 3                  | 33.3%   | 19                   | 28                   | -32.1%  |
| NATURAL GAS                | HP | 55,580             | 176,033            | -68.4%  | 97,332             | -42.9%  | 743,814              | 950,419              | -21.7%  |
| LTD NAT GAS                | HH | 294,801            | 359,310            | -18.0%  | 333,019            | -11.5%  | 2,124,948            | 1,819,056            | 16.8%   |
| MINY NATURAL GAS           | QG | 18,636             | 20,763             | -10.2%  | 15,948             | 16.9%   | 167,562              | 168,024              | -0.3%   |
| PJM MONTHLY                | JM | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 120                  | -100.0% |
| NATURAL GAS PHY            | NG | 8,010,415          | 9,195,026          | -12.9%  | 8,241,509          | -2.8%   | 54,591,384           | 53,127,987           | 2.8%    |
| RBOB GAS                   | RT | 0                  | 2,510              | -100.0% | 1,010              | -100.0% | 14,338               | 10,770               | 33.1%   |
| 3.5% FUEL OIL CID MED SWA  | 7D | 0                  | 0                  | 0.0%    | 55                 | -100.0% | 452                  | 872                  | -48.2%  |
| 3.5% FUEL OIL CIF BALMO S  | 8D | 0                  | 0                  | 0.0%    | 5                  | -100.0% | 95                   | 170                  | -44.1%  |
| AEP-DAYTON HUB DAILY       | VD | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| AEP-DAYTON HUB MTHLY       | VM | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| AEP-DAYTON HUB OFF-PEAK M  | VP | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ALGON CITY GATES NAT GAS   | N7 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ALGONQUIN CITYGATES BASIS  | B4 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ANR LOUISIANA BASIS SWAP   | ND | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ANR OKLAHOMA               | NE | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| APPALACHIAN COAL (PHY)     | QL | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ARGUS LLS VS. WTI (ARG) T  | E5 | 24,959             | 3,065              | 714.3%  | 25,757             | -3.1%   | 160,131              | 36,605               | 337.5%  |
| ARGUS PROPAN FAR EST INDE  | 7E | 3,472              | 2,757              | 25.9%   | 4,908              | -29.3%  | 36,383               | 9,554                | 280.8%  |

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|---------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>     |     |                    |                    |          |                    |         |                      |                      |         |
| ARGUS PROPAN(SAUDI ARAMCO | 9N  | 1,335              | 818                | 63.2%    | 2,238              | -40.3%  | 15,127               | 5,757                | 162.8%  |
| AUSTRIALIAN COKE COAL     | ACT | 0                  | 0                  | -        | 20                 | -100.0% | 20                   | 0                    | -       |
| AUSTRIALIAN COKE COAL     | ALW | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 993                  | -100.0% |
| BRENT BALMO SWAP          | J9  | 0                  | 150                | -100.0%  | 0                  | 0.0%    | 50                   | 288                  | -82.6%  |
| BRENT CALENDAR SWAP       | CY  | 2,727              | 644                | 323.4%   | 13,046             | -79.1%  | 23,323               | 12,961               | 79.9%   |
| BRENT CFD SWAP            | 6W  | 0                  | 0                  | -        | 0                  | 0.0%    | 300                  | 0                    | -       |
| BRENT FINANCIAL FUTURES   | BB  | 2,288              | 16,120             | -85.8%   | 476                | 380.7%  | 13,264               | 40,176               | -67.0%  |
| BRENT FINANCIAL FUTURES   | MBC | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| BRENT FINANCIAL FUTURES   | MDB | 0                  | 120                | -100.0%  | 80                 | -100.0% | 224                  | 120                  | 86.7%   |
| 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%    |
| CAISO SP15 EZGNHUB5 MW P  | 9X  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 7,940                | -100.0% |
| CAISO SP15 EZGNHUB5 PEAK  | 9Z  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CANADIAN LIGHT SWEET OIL  | CIL | 0                  | 165                | -100.0%  | 0                  | 0.0%    | 0                    | 6,984                | -100.0% |
| CENTERPOINT BASIS SWAP    | PW  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 36                   | 534                  | -93.3%  |
| CENTERPOINT EAST INDEX    | II  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| CEU ENERGY                | DEB | 0                  | 0                  | -        | 0                  | 0.0%    | 2,076                | 0                    | -       |
| CEU ENERGY                | TTF | 1,102              | 0                  | -        | 2,176              | -49.4%  | 6,698                | 0                    | -       |
| CEU ENERGY                | UKG | 9,239              | 0                  | -        | 8,865              | 4.2%    | 33,034               | 0                    | -       |
| CHICAGO ETHANOL SWAP      | CU  | 82,702             | 88,080             | -6.1%    | 105,619            | -21.7%  | 625,283              | 722,707              | -13.5%  |
| CHICAGO ULSD (PLATTS) SWA | 4C  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CHICAGO ULSD PL VS HO SPR | 5C  | 662                | 50                 | 1,224.0% | 170                | 289.4%  | 1,984                | 882                  | 124.9%  |
| CHICAGO UNL GAS PL VS RBO | 3C  | 100                | 0                  | 0.0%     | 0                  | 0.0%    | 625                  | 0                    | 0.0%    |
| CIG BASIS                 | CI  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 196                  | 186                  | 5.4%    |
| CIG ROCKIES NG INDEX SWA  | Z8  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 720                  | -100.0% |
| CINERGY HUB OFF-PEAK MONT | EJ  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CINERGY HUB PEAK MONTH    | EM  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CIN HUB 5MW D AH O PK     | K2  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 182,680              | -100.0% |
| CIN HUB 5MW D AH PK       | H5  | 1,604              | 1,912              | -16.1%   | 1,372              | 16.9%   | 7,580                | 12,813               | -40.8%  |
| CIN HUB 5MW REAL TIME O P | H4  | 0                  | 3,720              | -100.0%  | 0                  | 0.0%    | 0                    | 276,760              | -100.0% |
| CIN HUB 5MW REAL TIME PK  | H3  | 0                  | 1,700              | -100.0%  | 0                  | 0.0%    | 0                    | 22,770               | -100.0% |
| COAL SWAP                 | ACM | 120                | 95                 | 26.3%    | 115                | 4.3%    | 420                  | 1,155                | -63.6%  |
| COAL SWAP                 | SSI | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| COLUMB GULF MAINLINE NG B | 5Z  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| COLUMBIA GULF MAIN NAT G  | L2  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| COLUMBIA GULF ONSHORE     | GL  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |

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| <b>Energy Futures</b>               |     |                    |                    |         |                    |         |                      |                      |         |
| CONWAY NATURAL GASOLINE (OPIS) SWAP | 8L  | 102                | 460                | -77.8%  | 575                | -82.3%  | 1,225                | 1,547                | -20.8%  |
| CONWAY NORMAL BUTANE (OPIS) SWAP    | 8M  | 1,632              | 170                | 860.0%  | 245                | 566.1%  | 2,217                | 4,924                | -55.0%  |
| CONWAY PROPANE 5 DECIMALS SWAP      | 8K  | 16,808             | 8,387              | 100.4%  | 18,182             | -7.6%   | 97,566               | 50,424               | 93.5%   |
| CRUDE OIL                           | CHB | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| CRUDE OIL                           | LPS | 4,500              | 2,434              | 84.9%   | 4,850              | -7.2%   | 28,805               | 21,531               | 33.8%   |
| CRUDE OIL OUTRIGHTS                 | 37  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| CRUDE OIL OUTRIGHTS                 | 42  | 412                | 110                | 274.5%  | 236                | 74.6%   | 1,554                | 3,755                | -58.6%  |
| CRUDE OIL OUTRIGHTS                 | CC5 | 0                  | 270                | -100.0% | 0                  | 0.0%    | 0                    | 600                  | -100.0% |
| CRUDE OIL OUTRIGHTS                 | CPD | 0                  | 0                  | -       | 0                  | 0.0%    | 2,956                | 0                    | -       |
| CRUDE OIL OUTRIGHTS                 | CSN | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 30                   | -100.0% |
| CRUDE OIL OUTRIGHTS                 | CSW | 0                  | 450                | -100.0% | 0                  | 0.0%    | 5                    | 1,480                | -99.7%  |
| CRUDE OIL OUTRIGHTS                 | DBL | 0                  | 150                | -100.0% | 59                 | -100.0% | 99                   | 950                  | -89.6%  |
| CRUDE OIL OUTRIGHTS                 | FE  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 100                  | -100.0% |
| CRUDE OIL OUTRIGHTS                 | GSW | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 105                  | 110                  | -4.5%   |
| CRUDE OIL OUTRIGHTS                 | HTT | 55,548             | 13,153             | 322.3%  | 82,981             | -33.1%  | 332,193              | 57,435               | 478.4%  |
| CRUDE OIL OUTRIGHTS                 | LSW | 0                  | 210                | -100.0% | 0                  | 0.0%    | 290                  | 240                  | 20.8%   |
| CRUDE OIL OUTRIGHTS                 | SSW | 0                  | 120                | -100.0% | 0                  | 0.0%    | 0                    | 345                  | -100.0% |
| CRUDE OIL OUTRIGHTS                 | UMD | 0                  | 0                  | -       | 100                | -100.0% | 4,800                | 0                    | -       |
| CRUDE OIL OUTRIGHTS                 | UNS | 0                  | 0                  | -       | 1,500              | -100.0% | 7,554                | 0                    | -       |
| CRUDE OIL OUTRIGHTS                 | WCC | 0                  | 425                | -100.0% | 0                  | 0.0%    | 0                    | 24,122               | -100.0% |
| CRUDE OIL OUTRIGHTS                 | WCW | 2,291              | 9,080              | -74.8%  | 6,840              | -66.5%  | 51,192               | 19,015               | 169.2%  |
| CRUDE OIL PHY                       | CLL | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| CRUDE OIL SPRDS                     | 38  | 0                  | 0                  | 0.0%    | 900                | -100.0% | 2,055                | 0                    | 0.0%    |
| CRUDE OIL SPRDS                     | WTT | 38,053             | 5,870              | 548.3%  | 54,363             | -30.0%  | 313,790              | 32,839               | 855.5%  |
| 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%    | 0                    | 0                    | 0.0%    |
| DAILY PJM                           | ZAO | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |



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| <b>Energy Futures</b>           |     |                    |                    |         |                    |         |                      |                      |         |
| 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                  | 1,400              | -100.0% | 0                  | 0.0%    | 0                    | 1,400                | -100.0% |
| DATED TO FRONTLINE BRENT        | FY  | 390                | 1,575              | -75.2%  | 0                  | 0.0%    | 3,050                | 7,020                | -56.6%  |
| DEMARCO INDEX FUTURE            | DI  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| DEMARCO SWING SWAP              | DT  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| DIESEL 10P BRG FOB RDM VS       | 7X  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 5                    | 0                    | 0.0%    |
| DIESEL 10PPM BARGES FOB B       | U7  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| DLY GAS EURO-BOB OXY            | GBR | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| DOMINION TRAN INC - APP I       | IH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| DOMINION TRANSMISSION INC       | PG  | 0                  | 670                | -100.0% | 126                | -100.0% | 126                  | 42,435               | -99.7%  |
| DUBAI CRUDE OIL BALMO           | BI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 125                  | 0                    | 0.0%    |
| DUBAI CRUDE OIL CALENDAR        | DC  | 271                | 9,450              | -97.1%  | 2,737              | -90.1%  | 11,952               | 61,339               | -80.5%  |
| DY EURO 3.5% FUEL OI RDA        | FOR | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,500                | -100.0% |
| EASTERN RAIL DELIVERY CSX       | QX  | 45                 | 411                | -89.1%  | 35                 | 28.6%   | 230                  | 4,215                | -94.5%  |
| EAST/WEST FUEL OIL SPREAD       | EW  | 0                  | 60                 | -100.0% | 0                  | 0.0%    | 157                  | 1,245                | -87.4%  |
| EIA FLAT TAX ONHWAY DIESE       | A5  | 572                | 854                | -33.0%  | 211                | 171.1%  | 1,449                | 5,444                | -73.4%  |
| ELEC ERCOT DLY OFF PK           | I4  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC ERCOT DLY OFF PK           | R4  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELEC ERCOT DLY PEAK             | I3  | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELEC ERCOT DLY PEAK             | I7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC ERCOT DLY PEAK             | N1  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELEC ERCOT DLY PEAK             | R1  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELEC ERCOT OFF PEAK             | I2  | 0                  | 0                  | -       | 0                  | 0.0%    | 19,600               | 0                    | -       |
| ELEC FINSETTLED                 | 47  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC FINSETTLED                 | 49  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC MISO PEAK                  | 4L  | 0                  | 3,825              | -100.0% | 0                  | 0.0%    | 0                    | 3,825                | -100.0% |
| ELEC MISO PEAK                  | 55  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC NYISO OFF-PEAK             | 4M  | 0                  | 70,200             | -100.0% | 0                  | 0.0%    | 0                    | 70,200               | -100.0% |
| ELEC NYISO OFF-PEAK             | 58  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELECTRICITY ERCOT PEAK          | ERE | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ELECTRICITY OFF PEAK            | 46  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK            | 4P  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ELECTRICITY OFF PEAK            | 50  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC WEST POWER OFF-PEAK        | MDA | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ELEC WEST POWER PEAK            | MDC | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,540                | -100.0% |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                          |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>              |     |                    |                    |         |                    |         |                      |                      |         |
| EL PASO PERMIAN INDEX SWA          | IL  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| ERCOT DAILY 5MW PEAK               | ERW | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| ERCOT HOUSTON Z MCPE 5MW PEAK SWAP | I1  | 440                | 1,260              | -65.1%  | 0                  | 0.0%    | 1,950                | 1,680                | 16.1%   |
| ERCOT NORTH ZMCPE 5MW OFFPEAK      | I8  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ERCOT NORTH ZMCPE 5MW OFFPEAK SWAP | I6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 19,600               | 14,720               | 33.2%   |
| ERCOT NORTH ZMCPE 5MW PEAK         | I5  | 440                | 1,260              | -65.1%  | 0                  | 0.0%    | 5,050                | 2,510                | 101.2%  |
| ETHANOL SWAP                       | MT2 | 90                 | 0                  | -       | 10                 | 800.0%  | 130                  | 0                    | -       |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1  | 2,587              | 6,611              | -60.9%  | 3,153              | -18.0%  | 18,271               | 24,153               | -24.4%  |
| EURO 1% FUEL OIL NEW BALM          | KX  | 3                  | 0                  | 0.0%    | 15                 | -80.0%  | 23                   | 18                   | 27.8%   |
| EURO 3.5% FUEL OIL RDAM B          | KR  | 694                | 336                | 106.5%  | 885                | -21.6%  | 4,009                | 3,250                | 23.4%   |
| EURO 3.5% FUEL OIL SPREAD          | FK  | 130                | 1,007              | -87.1%  | 80                 | 62.5%   | 692                  | 3,283                | -78.9%  |
| EURO-DENOMINATED PETRO PROD        | NCP | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,340                | -100.0% |
| EURO GASOIL 10 CAL SWAP            | GT  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| EURO GASOIL 10PPM VS ICE           | ET  | 5                  | 80                 | -93.8%  | 10                 | -50.0%  | 370                  | 278                  | 33.1%   |
| EUROPE 1% FUEL OIL NWE CA          | UF  | 0                  | 10                 | -100.0% | 15                 | -100.0% | 318                  | 663                  | -52.0%  |
| EUROPE 1% FUEL OIL RDAM C          | UH  | 0                  | 0                  | 0.0%    | 3                  | -100.0% | 3                    | 26                   | -88.5%  |
| EUROPE 3.5% FUEL OIL MED           | UI  | 0                  | 0                  | 0.0%    | 61                 | -100.0% | 671                  | 1,159                | -42.1%  |
| EUROPE 3.5% FUEL OIL RDAM          | UV  | 9,436              | 7,080              | 33.3%   | 14,507             | -35.0%  | 56,637               | 54,139               | 4.6%    |
| EUROPEAN GASOIL (ICE)              | 7F  | 551                | 4,926              | -88.8%  | 786                | -29.9%  | 2,999                | 20,220               | -85.2%  |
| EUROPEAN NAPHTHA BALMO             | KZ  | 289                | 644                | -55.1%  | 214                | 35.0%   | 1,602                | 2,479                | -35.4%  |
| EUROPEAN NAPHTHA CRACK SPR         | EN  | 9,397              | 5,581              | 68.4%   | 8,923              | 5.3%    | 55,665               | 43,817               | 27.0%   |
| EUROPE DATED BRENT SWAP            | UB  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 416                  | -100.0% |
| EUROPE JET KERO NWE CALSW          | UJ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 15                   | 60                   | -75.0%  |
| EUROPE NAPHTHA CALSWAP             | UN  | 3,267              | 2,895              | 12.8%   | 2,522              | 29.5%   | 19,449               | 16,578               | 17.3%   |
| EURO PROPANE CIF ARA SWA           | PS  | 1,386              | 1,277              | 8.5%    | 1,553              | -10.8%  | 11,328               | 7,153                | 58.4%   |
| FL GAS ZONE 3 NAT GAS IND          | Q9  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| FLORIDA GAS ZONE3 BASIS S          | FP  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| FREIGHT MARKETS                    | FLP | 42                 | 315                | -86.7%  | 74                 | -43.2%  | 608                  | 701                  | -13.3%  |
| FREIGHT MARKETS                    | FRC | 5                  | 0                  | -       | 350                | -98.6%  | 540                  | 0                    | -       |
| FREIGHT MARKETS                    | FRS | 0                  | 0                  | -       | 0                  | 0.0%    | 0                    | 0                    | -       |
| FREIGHT MARKETS                    | T2D | 280                | 0                  | -       | 300                | -6.7%   | 1,608                | 0                    | -       |
| FREIGHT MARKETS                    | TC6 | 0                  | 0                  | -       | 0                  | 0.0%    | 240                  | 0                    | -       |
| FUEL OIL CRACK VS ICE              | FO  | 4,411              | 9,040              | -51.2%  | 5,210              | -15.3%  | 28,135               | 30,059               | -6.4%   |
| FUEL OIL NWE CRACK VS ICE          | FI  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 171                  | 0                    | 0.0%    |
| FUEL OIL (PLATS) CAR CM            | 1W  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 154                  | 0                    | 0.0%    |
| FUEL OIL (PLATS) CAR CN            | 1X  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 72                   | 0                    | 0.0%    |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                       |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG    | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG    |
|---------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>           |     |                    |                    |          |                    |         |                      |                      |          |
| FUELOIL SWAP:CARGOES VS.B       | FS  | 89                 | 614                | -85.5%   | 196                | -54.6%  | 1,510                | 2,091                | -27.8%   |
| GAS EURO-BOB OXY NWE BARGES     | 7H  | 8,708              | 6,402              | 36.0%    | 10,462             | -16.8%  | 48,459               | 44,691               | 8.4%     |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K  | 16,154             | 16,334             | -1.1%    | 17,159             | -5.9%   | 126,424              | 118,273              | 6.9%     |
| GASOIL 0.1 BRGS FOB VS IC       | 6V  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| GASOIL 0.1 CIF MED SWAP         | Z4  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| GASOIL 0.1CIF MED VS ICE        | Z5  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 10                   | 50                   | -80.0%   |
| GASOIL 0.1 CIF NWE VS ISE       | TU  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| GASOIL 0.1 CIF VS ICE GAS       | 8W  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 20                   | -100.0%  |
| GASOIL 0.1 CRG CIF NW VS        | 4V  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| GASOIL 0.1 RDAM BRGS VS I       | WQ  | 0                  | 30                 | -100.0%  | 0                  | 0.0%    | 5                    | 150                  | -96.7%   |
| GASOIL 0.1 ROTTERDAM BARG       | VL  | 185                | 30                 | 516.7%   | 610                | -69.7%  | 1,160                | 80                   | 1,350.0% |
| GASOIL 10P CRG CIF NW VS        | 3V  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| GASOIL 10PPM CARGOES CIF        | TY  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| GASOIL 10PPM VS ICE SWAP        | TP  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 12                   | 460                  | -97.4%   |
| GASOIL BULLET SWAP              | BG  | 0                  | 30                 | -100.0%  | 0                  | 0.0%    | 0                    | 30                   | -100.0%  |
| GASOIL CALENDAR SWAP            | GX  | 12                 | 0                  | 0.0%     | 24                 | -50.0%  | 48                   | 241                  | -80.1%   |
| GASOIL CRACK SPREAD CALEN       | GZ  | 3,038              | 12,510             | -75.7%   | 4,146              | -26.7%  | 31,196               | 50,575               | -38.3%   |
| GASOIL MINI CALENDAR SWAP       | QA  | 219                | 73                 | 200.0%   | 131                | 67.2%   | 886                  | 980                  | -9.6%    |
| GASOLINE UP-DOWN BALMO SW       | 1K  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| GROUP THREE ULSD (PLATTS)       | A7  | 30                 | 0                  | 0.0%     | 40                 | -25.0%  | 185                  | 0                    | 0.0%     |
| GROUP THREE UNLEAD GAS (P       | A9  | 0                  | 0                  | -        | 425                | -100.0% | 425                  | 0                    | -        |
| GRP THREE ULSD(PLT)VS HEA       | A6  | 3,639              | 2,428              | 49.9%    | 2,845              | 27.9%   | 22,778               | 15,749               | 44.6%    |
| GRP THREE UNL GS (PLT) VS       | A8  | 970                | 75                 | 1,193.3% | 1,724              | -43.7%  | 11,632               | 3,229                | 260.2%   |
| GULF COAST 3% FUEL OIL BA       | VZ  | 969                | 2,253              | -57.0%   | 2,174              | -55.4%  | 8,639                | 8,196                | 5.4%     |
| GULF COAST GASOLINE CLNDR       | GS  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| GULF COAST JET FUEL CLNDR       | GE  | 174                | 0                  | 0.0%     | 48                 | 262.5%  | 855                  | 546                  | 56.6%    |
| GULF COAST JET VS NYM 2 H       | ME  | 27,568             | 41,623             | -33.8%   | 28,339             | -2.7%   | 244,040              | 268,097              | -9.0%    |
| GULF COAST NO.6 FUEL OIL        | MF  | 62,683             | 41,510             | 51.0%    | 74,617             | -16.0%  | 378,336              | 334,721              | 13.0%    |
| GULF COAST NO.6 FUEL OIL        | MG  | 2,505              | 1,961              | 27.7%    | 2,520              | -0.6%   | 13,508               | 9,420                | 43.4%    |
| GULF COAST ULSD CALENDAR        | LY  | 719                | 838                | -14.2%   | 239                | 200.8%  | 1,712                | 3,468                | -50.6%   |
| GULF COAST ULSD CRACK SPR       | GY  | 0                  | 630                | -100.0%  | 0                  | 0.0%    | 1,295                | 2,170                | -40.3%   |
| HEATING OIL BALMO CLNDR S       | 1G  | 167                | 150                | 11.3%    | 0                  | 0.0%    | 223                  | 730                  | -69.5%   |
| HEATING OIL CRCK SPRD BAL       | 1H  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| HEATING OIL PHY                 | HOL | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| HENRY HUB BASIS SWAP            | HB  | 1,240              | 2,046              | -39.4%   | 0                  | 0.0%    | 7,432                | 48,300               | -84.6%   |
| HENRY HUB FINANCIAL LAST        | NBP | 4,404              | 0                  | -        | 4,377              | 0.6%    | 14,071               | 0                    | -        |

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|-------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |          |                    |         |                      |                      |         |
| HENRY HUB FINANCIAL LAST            | TTE | 18                 | 0                  | -        | 69                 | -73.9%  | 708                  | 0                    | -       |
| HENRY HUB INDEX SWAP FUTU           | IN  | 1,240              | 2,046              | -39.4%   | 0                  | 0.0%    | 7,432                | 46,722               | -84.1%  |
| HENRY HUB SWAP                      | NN  | 150,203            | 127,193            | 18.1%    | 212,969            | -29.5%  | 1,009,614            | 953,862              | 5.8%    |
| HENRY HUB SWING FUTURE              | SN  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| HOUSTON SHIP CHANNEL BASI           | NH  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 2,064                | -100.0% |
| HOUSTON SHIP CHANNEL INDE           | IP  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| HUSTN SHIP CHNL PIPE SWP            | XJ  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ICE BRENT DUBAI SWAP                | DB  | 5,310              | 3,920              | 35.5%    | 15,321             | -65.3%  | 63,648               | 69,063               | -7.8%   |
| ICE GASOIL BALMO SWAP               | U9  | 0                  | 0                  | -        | 0                  | 0.0%    | 0                    | 0                    | -       |
| IN DELIVERY MONTH EUA               | 6T  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 2,850                | -100.0% |
| INDIANA MISO                        | FAD | 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%    | 0                    | 0                    | 0.0%    |
| INDIANA MISO                        | PDM | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| 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%    |
| INDONESIAN COAL                     | MCC | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 5                    | -100.0% |
| INDONESIAN COAL ICI4                | ICI | 125                | 0                  | -        | 175                | -28.6%  | 535                  | 0                    | -       |
| 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%    | 0                    | 10                   | -100.0% |
| JAPAN C&F NAPHTHA CRACK S           | JB  | 0                  | 1,473              | -100.0%  | 81                 | -100.0% | 1,689                | 3,813                | -55.7%  |
| JAPAN C&F NAPHTHA SWAP              | JA  | 2,328              | 1,906              | 22.1%    | 2,711              | -14.1%  | 12,956               | 10,611               | 22.1%   |
| JAPAN NAPHTHA BALMO SWAP            | E6  | 23                 | 63                 | -63.5%   | 53                 | -56.6%  | 216                  | 1,224                | -82.4%  |
| JET AV FUEL (P) CAR FM ICE GAS SWAP | 1V  | 0                  | 12                 | -100.0%  | 0                  | 0.0%    | 5                    | 12                   | -58.3%  |
| JET BARGES VS ICE GASOIL            | JR  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%    |
| JET CIF NWE VS ICE                  | JC  | 0                  | 173                | -100.0%  | 18                 | -100.0% | 492                  | 695                  | -29.2%  |
| JET FUEL BRG FOB RDM VS I           | 9Q  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 5                    | -100.0% |
| JET FUEL CRG CIF NEW VS I           | 6X  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 20                   | -100.0% |
| JET FUEL UP-DOWN BALMO CL           | 1M  | 4,763              | 7,629              | -37.6%   | 3,830              | 24.4%   | 38,837               | 46,116               | -15.8%  |
| LA CARB DIESEL (OPIS)               | LX  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| LA CARB DIESEL (OPIS) SWA           | KL  | 300                | 25                 | 1,100.0% | 450                | -33.3%  | 1,750                | 1,070                | 63.6%   |
| LA CARBOB GASOLINE(OPIS)S           | JL  | 0                  | 425                | -100.0%  | 650                | -100.0% | 3,925                | 1,550                | 153.2%  |
| LA JET FUEL VS NYM NO 2 H           | MQ  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 25                   | -100.0% |
| LA JET (OPIS) SWAP                  | JS  | 3,260              | 2,375              | 37.3%    | 2,345              | 39.0%   | 15,140               | 11,085               | 36.6%   |
| LLS (ARGUS) VS WTI SWAP             | WJ  | 5,395              | 465                | 1,060.2% | 17,273             | -68.8%  | 41,890               | 22,565               | 85.6%   |



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|--------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>                |     |                    |                    |         |                    |         |                      |                      |         |
| MARS (ARGUS) VS WTI SWAP             | YX  | 1,505              | 300                | 401.7%  | 2,500              | -39.8%  | 18,550               | 16,021               | 15.8%   |
| MARS (ARGUS) VS WTI TRD M            | YV  | 23,259             | 13,825             | 68.2%   | 27,575             | -15.7%  | 165,470              | 121,584              | 36.1%   |
| MARS BLEND CRUDE OIL                 | MB  | 0                  | 613                | -100.0% | 600                | -100.0% | 2,119                | 11,228               | -81.1%  |
| MCCLOSKEY ARA ARGS COAL              | MTF | 24,316             | 43,738             | -44.4%  | 21,652             | 12.3%   | 152,708              | 316,959              | -51.8%  |
| MCCLOSKEY RCH BAY COAL               | MFF | 3,430              | 4,970              | -31.0%  | 3,414              | 0.5%    | 20,864               | 36,664               | -43.1%  |
| MGF FUT                              | MGF | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 130                  | 197                  | -34.0%  |
| MGN1 SWAP FUT                        | MGN | 40                 | 132                | -69.7%  | 80                 | -50.0%  | 503                  | 754                  | -33.3%  |
| MICHCON NG INDEX SWAP                | Y8  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| MICHIGAN BASIS                       | NF  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 2,592                | -100.0% |
| MICHIGAN MISO                        | HMO | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 59,040               | -100.0% |
| MICHIGAN MISO                        | HMW | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 3,195                | -100.0% |
| MINI GAS EUROBOB OXY NWE ARGS BALMO  | MEB | 431                | 901                | -52.2%  | 314                | 37.3%   | 2,134                | 3,172                | -32.7%  |
| MINI RBOB V. EBOBARG NWE BRGS BALMO  | MXR | 446                | 420                | 6.2%    | 310                | 43.9%   | 1,809                | 2,545                | -28.9%  |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS    | MXB | 2,030              | 2,444              | -16.9%  | 1,598              | 27.0%   | 9,845                | 14,779               | -33.4%  |
| MJC FUT                              | MJC | 105                | 400                | -73.8%  | 120                | -12.5%  | 1,195                | 670                  | 78.4%   |
| MNC FUT                              | MNC | 3,602              | 4,750              | -24.2%  | 4,336              | -16.9%  | 22,425               | 27,262               | -17.7%  |
| MONT BELVIEU ETHANE 5 DECIMAL        | C0  | 15,342             | 12,600             | 21.8%   | 17,247             | -11.0%  | 93,978               | 161,808              | -41.9%  |
| MONT BELVIEU ETHANE OPIS BALMO       | 8C  | 80                 | 100                | -20.0%  | 125                | -36.0%  | 860                  | 2,272                | -62.1%  |
| MONT BELVIEU LDH PROPANE 5 DECIMAL   | B0  | 93,321             | 68,617             | 36.0%   | 127,629            | -26.9%  | 758,231              | 543,218              | 39.6%   |
| MONT BELVIEU LDH PROPANE OPIS BALMO  | 8O  | 2,053              | 1,099              | 86.8%   | 2,057              | -0.2%   | 18,154               | 11,310               | 60.5%   |
| MONT BELVIEU NATURAL GASOLINE 5 DEC  | 7Q  | 7,232              | 3,764              | 92.1%   | 8,359              | -13.5%  | 54,275               | 26,558               | 104.4%  |
| MONT BELVIEU NATURAL GASOLINE BALMO  | R0  | 500                | 217                | 130.4%  | 356                | 40.4%   | 2,629                | 1,638                | 60.5%   |
| MONT BELVIEU NORMAL BUTANE 5 DECIMAL | D0  | 32,425             | 24,222             | 33.9%   | 36,322             | -10.7%  | 186,267              | 172,083              | 8.2%    |
| MONT BELVIEU NORMAL BUTANE BALMO     | 8J  | 712                | 397                | 79.3%   | 681                | 4.6%    | 5,212                | 4,987                | 4.5%    |
| NAT GAS BASIS SWAP                   | TZ6 | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 1,737                | -100.0% |
| NATURAL GAS                          | HBI | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS                          | XIC | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 44                   | -100.0% |
| NATURAL GAS FIXED PRICE SWAP FUTURES | CFS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS FIXED PRICE SWAP FUTURES | DSF | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NATURAL GAS FIXED PRICE SWAP FUTURES | MFS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS FIXED PRICE SWAP FUTURES | PFS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS FIXED PRICE SWAP FUTURES | WFS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS FIXED PRICE SWAP FUTURES | ZTS | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NATURAL GAS INDEX                    | TZI | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 656                  | -100.0% |
| NATURAL GAS PEN SWP                  | NP  | 14,737             | 87,654             | -83.2%  | 51,919             | -71.6%  | 228,346              | 569,982              | -59.9%  |
| NEPOOL CNCTCT 5MW D AH O             | P3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |





## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                         |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|-----------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>             |     |                    |                    |         |                    |         |                      |                      |         |
| NEPOOL CONECTIC 5MW D AH          | P2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL INTR HUB 5MW D AH          | H2  | 9,344              | 0                  | 0.0%    | 8,256              | 13.2%   | 79,520               | 221,100              | -64.0%  |
| NEPOOL INTR HUB 5MW D AH          | U6  | 514                | 1,600              | -67.9%  | 447                | 15.0%   | 4,376                | 14,980               | -70.8%  |
| NEPOOL NE MASS 5MW D AH O         | P8  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL NE MASS 5MW D AH P         | P7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL NEW HAMP 5MW D AH          | U2  | 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%    |
| NEPOOL RHD ISLD 5MW D AH          | U4  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL RHODE IL 5MW D AH          | U5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL SE MASS 5MW D AH O         | P5  | 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%    |
| NEPOOL W CNT MASS 5MW D A         | L9  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEPOOL W CNTR M 5MW D AH          | R6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEW ENGLAND HUB PEAK DAIL         | CE  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NEW YORK ETHANOL SWAP             | EZ  | 505                | 525                | -3.8%   | 1,220              | -58.6%  | 9,186                | 3,710                | 147.6%  |
| 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  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 400                  | 1,144                | -65.0%  |
| NGPL MIDCONTINENT INDEX           | IW  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NGPL MIDCONTINENT SWING S         | PX  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NGPL TEX/OK                       | PD  | 0                  | 1,208              | -100.0% | 0                  | 0.0%    | 22,836               | 2,768                | 725.0%  |
| NGPL TEXOK INDEX                  | OI  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| N ILLINOIS HUB DAILY              | UD  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| N ILLINOIS HUB MTHLY              | UM  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NO 2 UP-DOWN SPREAD CALEN         | UT  | 145                | 100                | 45.0%   | 383                | -62.1%  | 2,063                | 3,560                | -42.1%  |
| NORTHERN NATURAL GAS DEMAR        | PE  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NORTHERN NATURAL GAS VENTU        | PF  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 100                  | 84                   | 19.0%   |
| NORTHERN ILLINOIS OFF-PEA         | UO  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NORTHWEST ROCKIES BASIS S         | NR  | 0                  | 368                | -100.0% | 0                  | 0.0%    | 0                    | 1,350                | -100.0% |
| N ROCKIES PIPE SWAP               | XR  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NY1% VS GC SPREAD SWAP            | VR  | 3,064              | 2,612              | 17.3%   | 475                | 545.1%  | 10,640               | 14,387               | -26.0%  |
| NY 2.2% FUEL OIL (PLATTS          | Y3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NY 3.0% FUEL OIL (PLATTS          | H1  | 0                  | 100                | -100.0% | 25                 | -100.0% | 1,000                | 3,085                | -67.6%  |
| NY HARBOR 1% FUEL OIL BAL         | VK  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 25                   | -100.0% |
| NY HARBOR HEAT OIL SWP            | MP  | 860                | 2,156              | -60.1%  | 1,611              | -46.6%  | 8,416                | 14,334               | -41.3%  |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 45                 | 1,100              | -95.9%  | 175                | -74.3%  | 2,695                | 4,048                | -33.4%  |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                          |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b>              |     |                    |                    |         |                    |         |                      |                      |         |
| NY HARBOR RESIDUAL FUEL 1          | MM  | 1,065              | 683                | 55.9%   | 1,687              | -36.9%  | 7,288                | 16,545               | -56.0%  |
| NYH NO 2 CRACK SPREAD CAL          | HK  | 615                | 1,035              | -40.6%  | 1,155              | -46.8%  | 6,947                | 9,410                | -26.2%  |
| NY H OIL PLATTS VS NYMEX           | YH  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| NYISO A                            | KA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO A OFF-PEAK                   | KB  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO CAPACITY                     | LHV | 4                  | 0                  | 0.0%    | 20                 | -80.0%  | 168                  | 207                  | -18.8%  |
| NYISO CAPACITY                     | NNC | 0                  | 40                 | -100.0% | 101                | -100.0% | 407                  | 1,470                | -72.3%  |
| NYISO CAPACITY                     | NRS | 0                  | 204                | -100.0% | 89                 | -100.0% | 197                  | 1,264                | -84.4%  |
| NYISO G                            | KG  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO G OFF-PEAK                   | KH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO J                            | KJ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO J OFF-PEAK                   | KK  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO ZONE A 5MW D AH O P          | K4  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 9,360                | -100.0% |
| NYISO ZONE A 5MW D AH PK           | K3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 6,815                | -100.0% |
| NYISO ZONE C 5MW D AH O P          | A3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| NYISO ZONE C 5MW D AH PK           | Q5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 110                  | -100.0% |
| NYISO ZONE G 5MW D AH O P          | D2  | 27,200             | 327,600            | -91.7%  | 158,984            | -82.9%  | 578,534              | 648,480              | -10.8%  |
| NYISO ZONE G 5MW D AH PK           | T3  | 1,510              | 9,125              | -83.5%  | 11,264             | -86.6%  | 18,284               | 44,715               | -59.1%  |
| NYISO ZONE J 5MW D AH O P          | D4  | 0                  | 46,800             | -100.0% | 0                  | 0.0%    | 0                    | 226,600              | -100.0% |
| NYISO ZONE J 5MW D AH PK           | D3  | 0                  | 2,750              | -100.0% | 0                  | 0.0%    | 0                    | 19,745               | -100.0% |
| NY JET FUEL (PLATTS) HEAT OIL SWAP | 1U  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| 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                    | 0                    | 0.0%    |
| NY ULSD (ARGUS) VS HEATING OIL     | 7Y  | 0                  | 327                | -100.0% | 134                | -100.0% | 134                  | 7,691                | -98.3%  |
| ONEOK OKLAHOMA NG BASIS            | 8X  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ONTARIO POWER SWAPS                | OFD | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ONTARIO POWER SWAPS                | OFM | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| ONTARIO POWER SWAPS                | OPD | 0                  | 230                | -100.0% | 0                  | 0.0%    | 10                   | 425                  | -97.6%  |
| ONTARIO POWER SWAPS                | OPM | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 650                  | -100.0% |
| PANHANDLE BASIS SWAP FUTU          | PH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 275                  | 48                   | 472.9%  |
| PANHANDLE INDEX SWAP FUTU          | IV  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PANHANDLE PIPE SWAP                | XH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 864                  | -100.0% |
| PERMIAN BASIS SWAP                 | PM  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 214                  | -100.0% |
| PETROCHEMICALS                     | 22  | 79                 | 42                 | 88.1%   | 209                | -62.2%  | 940                  | 450                  | 108.9%  |
| PETROCHEMICALS                     | 32  | 78                 | 115                | -32.2%  | 183                | -57.4%  | 1,111                | 711                  | 56.3%   |
| PETROCHEMICALS                     | 51  | 0                  | 0                  | -       | 0                  | 0.0%    | 23                   | 0                    | -       |



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG     | VOLUME<br>MAY 2018 | % CHG    | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG    |
|--------------------------|-----|--------------------|--------------------|-----------|--------------------|----------|----------------------|----------------------|----------|
| <b>Energy Futures</b>    |     |                    |                    |           |                    |          |                      |                      |          |
| PETROCHEMICALS           | 8I  | 143                | 683                | -79.1%    | 1,336              | -89.3%   | 5,038                | 3,869                | 30.2%    |
| PETROCHEMICALS           | 91  | 182                | 210                | -13.3%    | 266                | -31.6%   | 2,722                | 1,286                | 111.7%   |
| PETROCHEMICALS           | HPE | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PETROCHEMICALS           | JKM | 975                | 0                  | -         | 525                | 85.7%    | 4,945                | 0                    | -        |
| PETROCHEMICALS           | LPE | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETROCHEMICALS           | MAA | 0                  | 0                  | -         | 50                 | -100.0%  | 50                   | 0                    | -        |
| PETROCHEMICALS           | MAC | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 50                   | -100.0%  |
| PETROCHEMICALS           | MAE | 100                | 10                 | 900.0%    | 210                | -52.4%   | 1,080                | 30                   | 3,500.0% |
| PETROCHEMICALS           | MAS | 116                | 10                 | 1,060.0%  | 85                 | 36.5%    | 651                  | 155                  | 320.0%   |
| PETROCHEMICALS           | MBE | 930                | 1,580              | -41.1%    | 750                | 24.0%    | 5,230                | 6,825                | -23.4%   |
| PETROCHEMICALS           | MNB | 2,345              | 2,220              | 5.6%      | 2,704              | -13.3%   | 13,826               | 8,690                | 59.1%    |
| PETROCHEMICALS           | MPS | 220                | 0                  | 0.0%      | 115                | 91.3%    | 680                  | 10                   | 6,700.0% |
| PETRO CRCKS & SPRDS ASIA | JNC | 0                  | 0                  | -         | 0                  | 0.0%     | 0                    | 0                    | -        |
| PETRO CRCKS & SPRDS ASIA | STI | 0                  | 37                 | -100.0%   | 0                  | 0.0%     | 0                    | 142                  | -100.0%  |
| PETRO CRCKS & SPRDS ASIA | STR | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 100                  | 264                  | -62.1%   |
| PETRO CRCKS & SPRDS ASIA | STS | 90                 | 740                | -87.8%    | 0                  | 0.0%     | 499                  | 890                  | -43.9%   |
| PETRO CRCKS & SPRDS NA   | CRB | 5,525              | 15                 | 36,733.3% | 560                | 886.6%   | 7,130                | 795                  | 796.9%   |
| PETRO CRCKS & SPRDS NA   | EXR | 3,509              | 1,903              | 84.4%     | 3,507              | 0.1%     | 18,483               | 16,243               | 13.8%    |
| PETRO CRCKS & SPRDS NA   | FOC | 850                | 1,613              | -47.3%    | 25                 | 3,300.0% | 5,375                | 5,703                | -5.8%    |
| PETRO CRCKS & SPRDS NA   | GBB | 1,345              | 1,280              | 5.1%      | 2,975              | -54.8%   | 7,165                | 4,685                | 52.9%    |
| PETRO CRCKS & SPRDS NA   | GCC | 300                | 0                  | 0.0%      | 340                | -11.8%   | 1,590                | 800                  | 98.7%    |
| PETRO CRCKS & SPRDS NA   | GCI | 1,418              | 774                | 83.2%     | 1,529              | -7.3%    | 8,840                | 8,235                | 7.3%     |
| PETRO CRCKS & SPRDS NA   | GCM | 0                  | 42                 | -100.0%   | 21                 | -100.0%  | 142                  | 42                   | 238.1%   |
| PETRO CRCKS & SPRDS NA   | GCU | 18,743             | 6,487              | 188.9%    | 16,281             | 15.1%    | 85,466               | 41,384               | 106.5%   |
| PETRO CRCKS & SPRDS NA   | GFC | 0                  | 0                  | 0.0%      | 25                 | -100.0%  | 25                   | 535                  | -95.3%   |
| PETRO CRCKS & SPRDS NA   | HOB | 705                | 4,677              | -84.9%    | 390                | 80.8%    | 6,881                | 16,979               | -59.5%   |
| PETRO CRCKS & SPRDS NA   | KSD | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 75                   | -100.0%  |
| PETRO CRCKS & SPRDS NA   | MFR | 0                  | 0                  | 0.0%      | 0                  | -        | 0                    | 0                    | 0.0%     |
| PETRO CRCKS & SPRDS NA   | NFG | 0                  | 23                 | -100.0%   | 0                  | 0.0%     | 50                   | 109                  | -54.1%   |
| PETRO CRCKS & SPRDS NA   | NYF | 0                  | 225                | -100.0%   | 0                  | 0.0%     | 0                    | 825                  | -100.0%  |
| PETRO CRCKS & SPRDS NA   | NYH | 0                  | 0                  | 0.0%      | 0                  | 0.0%     | 0                    | 0                    | 0.0%     |
| PETRO CRCKS & SPRDS NA   | RBB | 6,498              | 6,993              | -7.1%     | 10,074             | -35.5%   | 34,803               | 54,272               | -35.9%   |
| PETRO CRCKS & SPRDS NA   | RVG | 19,380             | 15,125             | 28.1%     | 23,359             | -17.0%   | 111,840              | 93,482               | 19.6%    |
| PETRO CRCKS & SPRDS NA   | SF3 | 21                 | 9                  | 133.3%    | 33                 | -36.4%   | 288                  | 15                   | 1,820.0% |
| PETRO CRK&SPRD EURO      | 1NB | 1,405              | 1,412              | -0.5%     | 1,420              | -1.1%    | 11,364               | 8,043                | 41.3%    |
| PETRO CRK&SPRD EURO      | 1ND | 0                  | 0                  | -         | 0                  | 0.0%     | 100                  | 0                    | -        |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity               |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG  | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|-------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|---------|
| <b>Energy Futures</b>   |     |                    |                    |         |                    |        |                      |                      |         |
| PETRO CRK&SPRD EURO     | 43  | 354                | 258                | 37.2%   | 161                | 119.9% | 2,333                | 1,519                | 53.6%   |
| PETRO CRK&SPRD EURO     | BFR | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PETRO CRK&SPRD EURO     | BOB | 1,759              | 2,242              | -21.5%  | 2,557              | -31.2% | 12,103               | 13,966               | -13.3%  |
| PETRO CRK&SPRD EURO     | EGB | 0                  | 0                  | -       | 0                  | 0.0%   | 0                    | 0                    | -       |
| PETRO CRK&SPRD EURO     | EGN | 0                  | 0                  | -       | 0                  | 0.0%   | 0                    | 0                    | -       |
| PETRO CRK&SPRD EURO     | EOB | 5                  | 11                 | -54.5%  | 66                 | -92.4% | 179                  | 79                   | 126.6%  |
| PETRO CRK&SPRD EURO     | EPN | 766                | 402                | 90.5%   | 1,032              | -25.8% | 5,968                | 2,405                | 148.1%  |
| PETRO CRK&SPRD EURO     | EVC | 2,740              | 2,174              | 26.0%   | 3,646              | -24.8% | 14,212               | 17,406               | -18.3%  |
| PETRO CRK&SPRD EURO     | FBT | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PETRO CRK&SPRD EURO     | FVB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 30                   | 0                    | 0.0%    |
| PETRO CRK&SPRD EURO     | GCB | 150                | 64                 | 134.4%  | 155                | -3.2%  | 680                  | 739                  | -8.0%   |
| PETRO CRK&SPRD EURO     | GOC | 0                  | 30                 | -100.0% | 0                  | 0.0%   | 84                   | 65                   | 29.2%   |
| PETRO CRK&SPRD EURO     | MGB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 80                   | 70                   | 14.3%   |
| PETRO CRK&SPRD EURO     | MUD | 30                 | 33                 | -9.1%   | 10                 | 200.0% | 163                  | 719                  | -77.3%  |
| PETRO CRK&SPRD EURO     | NBB | 20                 | 20                 | 0.0%    | 6                  | 233.3% | 122                  | 109                  | 11.9%   |
| PETRO CRK&SPRD EURO     | NOB | 1,185              | 852                | 39.1%   | 1,799              | -34.1% | 10,057               | 6,326                | 59.0%   |
| PETRO CRK&SPRD EURO     | SFB | 80                 | 0                  | 0.0%    | 0                  | 0.0%   | 110                  | 155                  | -29.0%  |
| PETROLEUM PRODUCTS      | D46 | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PETROLEUM PRODUCTS      | EWB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PETROLEUM PRODUCTS      | EWG | 2,681              | 1,212              | 121.2%  | 2,486              | 7.8%   | 27,366               | 16,724               | 63.6%   |
| PETROLEUM PRODUCTS      | MBS | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 80                   | -100.0% |
| PETROLEUM PRODUCTS      | MGS | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 20                   | -100.0% |
| PETROLEUM PRODUCTS      | MHE | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PETROLEUM PRODUCTS      | MME | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 30                   | 20                   | 50.0%   |
| PETROLEUM PRODUCTS      | MPE | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 100                  | -100.0% |
| PETROLEUM PRODUCTS      | VU  | 75                 | 612                | -87.7%  | 250                | -70.0% | 928                  | 1,411                | -34.2%  |
| PETROLEUM PRODUCTS ASIA | E6M | 20                 | 26                 | -23.1%  | 20                 | 0.0%   | 414                  | 122                  | 239.3%  |
| PETROLEUM PRODUCTS ASIA | MJN | 1,335              | 2,576              | -48.2%  | 1,764              | -24.3% | 12,581               | 12,183               | 3.3%    |
| PETROLEUM PRODUCTS ASIA | MSB | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 25                   | -100.0% |
| PETRO OUTRIGHT EURO     | OB  | 14                 | 20                 | -30.0%  | 0                  | 0.0%   | 64                   | 63                   | 1.6%    |
| PETRO OUTRIGHT EURO     | OC  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT EURO     | OD  | 1,863              | 2,337              | -20.3%  | 1,862              | 0.1%   | 8,558                | 15,292               | -44.0%  |
| PETRO OUTRIGHT EURO     | OE  | 16                 | 434                | -96.3%  | 30                 | -46.7% | 165                  | 3,430                | -95.2%  |
| PETRO OUTRIGHT EURO     | OF  | 573                | 772                | -25.8%  | 728                | -21.3% | 3,736                | 7,911                | -52.8%  |
| PETRO OUTRIGHT EURO     | 1T  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 15                   | 60                   | -75.0%  |
| PETRO OUTRIGHT EURO     | 33  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 80                   | -100.0% |



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity             |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|-----------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| <b>Energy Futures</b> |     |                    |                    |         |                    |         |                      |                      |         |
| PETRO OUTRIGHT EURO   | 5L  | 70                 | 80                 | -12.5%  | 45                 | 55.6%   | 204                  | 491                  | -58.5%  |
| PETRO OUTRIGHT EURO   | 63  | 35                 | 0                  | 0.0%    | 0                  | 0.0%    | 142                  | 462                  | -69.3%  |
| PETRO OUTRIGHT EURO   | 6L  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 2                    | -100.0% |
| PETRO OUTRIGHT EURO   | 7I  | 0                  | 100                | -100.0% | 33                 | -100.0% | 462                  | 630                  | -26.7%  |
| PETRO OUTRIGHT EURO   | 7R  | 296                | 480                | -38.3%  | 380                | -22.1%  | 1,906                | 1,540                | 23.8%   |
| PETRO OUTRIGHT EURO   | 88  | 10                 | 0                  | 0.0%    | 0                  | 0.0%    | 105                  | 0                    | 0.0%    |
| PETRO OUTRIGHT EURO   | CBB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 55                   | 42                   | 31.0%   |
| PETRO OUTRIGHT EURO   | CGB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT EURO   | CPB | 16                 | 192                | -91.7%  | 496                | -96.8%  | 2,999                | 1,995                | 50.3%   |
| PETRO OUTRIGHT EURO   | EFF | 0                  | 10                 | -100.0% | 8                  | -100.0% | 101                  | 280                  | -63.9%  |
| PETRO OUTRIGHT EURO   | EFM | 0                  | 30                 | -100.0% | 0                  | 0.0%    | 0                    | 326                  | -100.0% |
| PETRO OUTRIGHT EURO   | ENS | 0                  | 30                 | -100.0% | 10                 | -100.0% | 65                   | 90                   | -27.8%  |
| PETRO OUTRIGHT EURO   | ESB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 6                    | -100.0% |
| PETRO OUTRIGHT EURO   | EWN | 741                | 861                | -13.9%  | 619                | 19.7%   | 4,182                | 4,488                | -6.8%   |
| PETRO OUTRIGHT EURO   | FBD | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 20                   | -100.0% |
| PETRO OUTRIGHT EURO   | MBB | 0                  | 230                | -100.0% | 0                  | 0.0%    | 161                  | 380                  | -57.6%  |
| PETRO OUTRIGHT EURO   | MBN | 1,128              | 1,874              | -39.8%  | 1,092              | 3.3%    | 7,719                | 5,547                | 39.2%   |
| PETRO OUTRIGHT EURO   | SMU | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 328                  | 40                   | 720.0%  |
| PETRO OUTRIGHT EURO   | T0  | 0                  | 0                  | 0.0%    | 9                  | -100.0% | 9                    | 110                  | -91.8%  |
| PETRO OUTRIGHT EURO   | ULB | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 375                  | -100.0% |
| PETRO OUTRIGHT EURO   | V0  | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 980                  | 150                  | 553.3%  |
| PETRO OUTRIGHT EURO   | W0  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT EURO   | X0  | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT NA     | FCB | 0                  | 96                 | -100.0% | 254                | -100.0% | 503                  | 854                  | -41.1%  |
| PETRO OUTRIGHT NA     | FOM | 0                  | 10                 | -100.0% | 0                  | 0.0%    | 0                    | 50                   | -100.0% |
| PETRO OUTRIGHT NA     | GBA | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT NA     | GUD | 0                  | 0                  | 0.0%    | 0                  | -       | 0                    | 0                    | 0.0%    |
| PETRO OUTRIGHT NA     | JE  | 0                  | 270                | -100.0% | 0                  | 0.0%    | 69                   | 420                  | -83.6%  |
| PETRO OUTRIGHT NA     | JET | 1,750              | 3,052              | -42.7%  | 1,800              | -2.8%   | 13,230               | 23,599               | -43.9%  |
| PETRO OUTRIGHT NA     | JTB | 625                | 0                  | 0.0%    | 0                  | 0.0%    | 3,085                | 300                  | 928.3%  |
| PETRO OUTRIGHT NA     | MBL | 0                  | 26                 | -100.0% | 30                 | -100.0% | 40                   | 161                  | -75.2%  |
| PETRO OUTRIGHT NA     | MEN | 922                | 371                | 148.5%  | 264                | 249.2%  | 2,416                | 4,064                | -40.6%  |
| PETRO OUTRIGHT NA     | MEO | 3,820              | 7,100              | -46.2%  | 4,709              | -18.9%  | 23,942               | 63,992               | -62.6%  |
| PETRO OUTRIGHT NA     | MFD | 0                  | 165                | -100.0% | 70                 | -100.0% | 100                  | 190                  | -47.4%  |
| PETRO OUTRIGHT NA     | MMF | 0                  | 10                 | -100.0% | 0                  | 0.0%    | 55                   | 426                  | -87.1%  |
| PETRO OUTRIGHT NA     | NYT | 0                  | 0                  | 0.0%    | 0                  | 0.0%    | 0                    | 625                  | -100.0% |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG  | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |        |                      |                      |         |
| PETRO OUTRIGHT NA                   | XER | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PJM AD HUB 5MW REAL TIME            | V3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 28,032               | 264,125              | -89.4%  |
| PJM AD HUB 5MW REAL TIME            | Z9  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 7,513                | 18,930               | -60.3%  |
| 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                    | 0                    | 0.0%    |
| 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                    | 46,800               | -100.0% |
| PJM ATSI ELEC                       | MPD | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 2,550                | -100.0% |
| PJM BGE DA OFF-PEAK                 | R3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM BGE DA PEAK                     | E3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM COMED 5MW D AH O PK             | D9  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 85,390               | -100.0% |
| PJM COMED 5MW D AH PK               | D8  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 4,675                | -100.0% |
| PJM DAILY                           | JD  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM DAYTON DA OFF-PEAK              | R7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 211,995              | -100.0% |
| PJM DAYTON DA PEAK                  | D7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 5,250                | -100.0% |
| PJM JCPL DA OFF-PEAK                | F2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM JCPL DA PEAK                    | J2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM NI HUB 5MW REAL TIME            | B3  | 0                  | 2,525              | -100.0% | 0                  | 0.0%   | 5,100                | 75,935               | -93.3%  |
| PJM NI HUB 5MW REAL TIME            | B6  | 0                  | 39,290             | -100.0% | 0                  | 0.0%   | 0                    | 1,631,740            | -100.0% |
| PJM NILL DA OFF-PEAK                | L3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 661,967              | -100.0% |
| PJM NILL DA PEAK                    | N3  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 22                   | 37,751               | -99.9%  |
| PJM OFF-PEAK LMP SWAP FUT           | JP  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM PECO ZONE5MW PEAK CAL MO DAY AH | 4N  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PJM PPL DA OFF-PEAK                 | F5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM PPL DA PEAK                     | L5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM PSEG DA OFF-PEAK                | W6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM PSEG DA PEAK                    | L6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| PJM WES HUB PEAK LMP 50 M           | 4S  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| PJM WESTH DA OFF-PEAK               | E4  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 78,410               | 7,500                | 945.5%  |
| PJM WESTHDA PEAK                    | J4  | 0                  | 4,730              | -100.0% | 0                  | 0.0%   | 4,250                | 6,070                | -30.0%  |
| PJM WESTH RT OFF-PEAK               | N9  | 23,200             | 331,190            | -93.0%  | 97,720             | -76.3% | 294,000              | 1,789,385            | -83.6%  |
| PJM WESTH RT PEAK                   | L1  | 3,180              | 36,015             | -91.2%  | 1,715              | 85.4%  | 39,349               | 162,429              | -75.8%  |
| PLASTICS                            | PGP | 522                | 785                | -33.5%  | 410                | 27.3%  | 2,454                | 3,378                | -27.4%  |
| PREMIUM UNLND 10P FOB MED           | 3G  | 95                 | 50                 | 90.0%   | 112                | -15.2% | 1,533                | 376                  | 307.7%  |
| PREMIUM UNLEAD 10PPM FOB            | 8G  | 75                 | 20                 | 275.0%  | 84                 | -10.7% | 324                  | 120                  | 170.0%  |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                           |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG    | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG    |
|-------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>               |     |                    |                    |          |                    |         |                      |                      |          |
| PREM UNL GAS 10PPM RDAM FOB BALMO   | 7N  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 80                   | 7                    | 1,042.9% |
| PREM UNL GAS 10PPM RDAM FOB SWAP    | 7L  | 0                  | 0                  | 0.0%     | 54                 | -100.0% | 64                   | 37                   | 73.0%    |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S  | 525                | 311                | 68.8%    | 405                | 29.6%   | 3,181                | 3,807                | -16.4%   |
| PROPANE NON-LDH MT. BEL (OPIS) SWP  | 1R  | 11,589             | 6,303              | 83.9%    | 18,252             | -36.5%  | 72,532               | 47,450               | 52.9%    |
| RBOB CALENDAR SWAP                  | RL  | 7,611              | 6,248              | 21.8%    | 4,767              | 59.7%   | 29,861               | 41,385               | -27.8%   |
| RBOB CRACK SPREAD                   | RM  | 1,015              | 0                  | 0.0%     | 2,710              | -62.5%  | 8,193                | 2,079                | 294.1%   |
| RBOB CRACK SPREAD BALMO S           | 1E  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| RBOB GASOLINE BALMO CLNDR           | 1D  | 1,005              | 619                | 62.4%    | 1,526              | -34.1%  | 7,793                | 4,736                | 64.5%    |
| RBOB PHY                            | RBL | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| RBOB (PLATTS) CAL SWAP              | RY  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| RBOB SPREAD (PLATTS) SWAP           | RI  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| RBOB UP-DOWN CALENDAR SWA           | RV  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| RBOB VS HEATING OIL SWAP            | RH  | 825                | 1,665              | -50.5%   | 0                  | 0.0%    | 1,975                | 12,470               | -84.2%   |
| ROCKIES KERN OPAL - NW IN           | IR  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| SAN JUAN BASIS SWAP                 | NJ  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 31                   | 214                  | -85.5%   |
| SAN JUAN PIPE SWAP                  | XX  | 0                  | 0                  | -        | 0                  | 0.0%    | 360                  | 0                    | -        |
| SINGAPORE 180CST BALMO              | BS  | 40                 | 60                 | -33.3%   | 113                | -64.6%  | 335                  | 372                  | -9.9%    |
| SINGAPORE 380CST BALMO              | BT  | 215                | 136                | 58.1%    | 579                | -62.9%  | 1,203                | 1,244                | -3.3%    |
| SINGAPORE 380CST FUEL OIL           | SE  | 13,453             | 9,859              | 36.5%    | 12,793             | 5.2%    | 53,767               | 69,646               | -22.8%   |
| SINGAPORE FUEL 180CST CAL           | UA  | 680                | 835                | -18.6%   | 1,798              | -62.2%  | 5,842                | 6,992                | -16.4%   |
| SINGAPORE FUEL OIL SPREAD           | SD  | 413                | 394                | 4.8%     | 758                | -45.5%  | 5,311                | 4,846                | 9.6%     |
| SINGAPORE GASOIL                    | MTB | 21                 | 30                 | -30.0%   | 90                 | -76.7%  | 379                  | 803                  | -52.8%   |
| SINGAPORE GASOIL                    | MTS | 4,507              | 3,554              | 26.8%    | 4,448              | 1.3%    | 29,285               | 28,743               | 1.9%     |
| SINGAPORE GASOIL                    | STL | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| SINGAPORE GASOIL                    | STZ | 0                  | 100                | -100.0%  | 0                  | 0.0%    | 4,300                | 800                  | 437.5%   |
| SINGAPORE GASOIL CALENDAR           | GDH | 0                  | 0                  | -        | 0                  | 0.0%    | 50                   | 0                    | -        |
| SINGAPORE GASOIL CALENDAR           | GDL | 0                  | 0                  | -        | 0                  | 0.0%    | 250                  | 0                    | -        |
| SINGAPORE GASOIL CALENDAR           | GHS | 0                  | 0                  | -        | 0                  | 0.0%    | 0                    | 0                    | -        |
| SINGAPORE GASOIL CALENDAR           | MGO | 0                  | 0                  | -        | 0                  | 0.0%    | 200                  | 0                    | -        |
| SINGAPORE GASOIL CALENDAR           | MSG | 100                | 229                | -56.3%   | 180                | -44.4%  | 4,199                | 1,948                | 115.6%   |
| SINGAPORE GASOIL CALENDAR           | SGG | 0                  | 0                  | -        | 0                  | 0.0%    | 325                  | 0                    | -        |
| SINGAPORE GASOIL SWAP               | SG  | 4,220              | 8,085              | -47.8%   | 1,316              | 220.7%  | 26,703               | 61,933               | -56.9%   |
| SINGAPORE GASOIL VS ICE             | GA  | 6,325              | 10,685             | -40.8%   | 12,675             | -50.1%  | 93,060               | 57,914               | 60.7%    |
| SINGAPORE JET KERO BALMO            | BX  | 50                 | 24                 | 108.3%   | 0                  | 0.0%    | 215                  | 436                  | -50.7%   |
| SINGAPORE JET KERO GASOIL           | RK  | 2,325              | 1,975              | 17.7%    | 3,225              | -27.9%  | 24,845               | 13,530               | 83.6%    |
| SINGAPORE JET KEROSENE SW           | KS  | 1,595              | 65                 | 2,353.8% | 550                | 190.0%  | 6,990                | 6,949                | 0.6%     |

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|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|--------|----------------------|----------------------|---------|
| <b>Energy Futures</b>               |     |                    |                    |         |                    |        |                      |                      |         |
| SINGAPORE JET KERO VS. GASOIL BALMO | Z0  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 25                   | 0                    | 0.0%    |
| SINGAPORE MOGAS 92 UNLEADED BALMO   | 1P  | 250                | 0                  | 0.0%    | 650                | -61.5% | 2,563                | 1,183                | 116.7%  |
| SINGAPORE MOGAS 92 UNLEADED SWP     | 1N  | 17,956             | 11,981             | 49.9%   | 8,580              | 109.3% | 90,240               | 49,422               | 82.6%   |
| SINGAPORE NAPHTHA BALMO             | KU  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| SINGAPORE NAPHTHA SWAP              | SP  | 0                  | 0                  | -       | 0                  | 0.0%   | 200                  | 0                    | -       |
| SING FUEL                           | MSD | 15                 | 0                  | 0.0%    | 10                 | 50.0%  | 80                   | 40                   | 100.0%  |
| SOCAL PIPE SWAP                     | XN  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| SONAT BASIS SWAP FUTURE             | SZ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| SOUTHERN NAT LA NAT GAS             | M8  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| SOUTH STAR TEX OKLHM KNS            | 8Z  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| Sumas Basis Swap                    | NK  | 0                  | 1,003              | -100.0% | 0                  | 0.0%   | 91                   | 5,688                | -98.4%  |
| SUMAS NAT GAS PLATTS FIXED PRICE    | DVS | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| TC2 ROTTERDAM TO USAC 37K           | TM  | 0                  | 0                  | -       | 0                  | 0.0%   | 548                  | 0                    | -       |
| TC5 RAS TANURA TO YOKOHAM           | TH  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 240                  | 0                    | 0.0%    |
| TCO BASIS SWAP                      | TC  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 7,402                | -100.0% |
| TCO NG INDEX SWAP                   | Q1  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| TD3 MEG TO JAPAN 250K MT            | TL  | 2,060              | 0                  | -       | 945                | 118.0% | 4,970                | 0                    | -       |
| TENN 800 LEG NAT GAS INDE           | L4  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| TENNESSEE 500 LEG BASIS S           | NM  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 428                  | -100.0% |
| TENNESSEE 800 LEG NG BASI           | 6Z  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| TENNESSEE ZONE 0 BASIS SW           | NQ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| TETCO M-3 INDEX                     | IX  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| Tetco STX Basis                     | TX  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| TEXAS EASTERN ZONE M-3 BA           | NX  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 7,547                | -100.0% |
| TEXAS GAS ZONE1 NG BASIS            | 9F  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 0                    | 0.0%    |
| Transco Zone 3 Basis                | CZ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 302                  | -100.0% |
| TRANSCO ZONE 3 NG INDEX S           | Y6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 6,256                | -100.0% |
| TRANSCO ZONE4 BASIS SWAP            | TR  | 0                  | 1,208              | -100.0% | 0                  | 0.0%   | 0                    | 7,099                | -100.0% |
| TRANSCO ZONE 4 NAT GAS IN           | B2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 465                  | -100.0% |
| TRANSCO ZONE 6 BASIS SWAP           | NZ  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 2,870                | -100.0% |
| TRANSCO ZONE 6 INDEX                | IT  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 856                  | -100.0% |
| UCM FUT                             | UCM | 0                  | 28                 | -100.0% | 0                  | 0.0%   | 50                   | 198                  | -74.7%  |
| ULSD 10PPM CIF MED BALMO            | X7  | 0                  | 0                  | 0.0%    | 0                  | -      | 0                    | 0                    | 0.0%    |
| ULSD 10PPM CIF MED SWAP             | Z6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%   | 0                    | 30                   | -100.0% |
| ULSD 10PPM CIF MED VS ICE           | Z7  | 0                  | 45                 | -100.0% | 0                  | 0.0%   | 14                   | 66                   | -78.8%  |
| ULSD 10PPM CIF NW BALMO S           | B1  | 0                  | 0                  | -       | 0                  | 0.0%   | 0                    | 0                    | -       |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG    | VOLUME<br>MAY 2018 | % CHG   | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG    |
|---------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| <b>Energy Futures</b>     |     |                    |                    |          |                    |         |                      |                      |          |
| ULSD 10PPM CIF VS ICE GAS | 7V  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| ULSD UP-DOWN BALMO SWP    | 1L  | 4,405              | 1,890              | 133.1%   | 7,275              | -39.5%  | 31,445               | 22,375               | 40.5%    |
| UP DOWN GC ULSD VS NMX HO | LT  | 24,594             | 50,607             | -51.4%   | 32,294             | -23.8%  | 195,740              | 264,103              | -25.9%   |
| USGC UNL 87 CRACK SPREAD  | RU  | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| WAHA BASIS                | NW  | 0                  | 950                | -100.0%  | 276                | -100.0% | 3,201                | 1,832                | 74.7%    |
| WAHA INDEX SWAP FUTURE    | IY  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |
| WESTERN RAIL DELIVERY PRB | QP  | 0                  | 60                 | -100.0%  | 0                  | 0.0%    | 15                   | 2,220                | -99.3%   |
| WTI-BRENT BULLET SWAP     | BY  | 350                | 0                  | 0.0%     | 0                  | 0.0%    | 6,650                | 404                  | 1,546.0% |
| WTI-BRENT CALENDAR SWAP   | BK  | 20,630             | 10,199             | 102.3%   | 39,023             | -47.1%  | 211,827              | 46,212               | 358.4%   |
| WTI CALENDAR              | CS  | 22,480             | 23,287             | -3.5%    | 28,973             | -22.4%  | 205,006              | 205,183              | -0.1%    |
| WTS (ARGUS) VS WTI SWAP   | FF  | 7,997              | 4,755              | 68.2%    | 4,393              | 82.0%   | 48,257               | 21,894               | 120.4%   |
| WTS (ARGUS) VS WTI TRD MT | FH  | 588                | 510                | 15.3%    | 90                 | 553.3%  | 1,950                | 2,920                | -33.2%   |
| <b>Energy Options</b>     |     |                    |                    |          |                    |         |                      |                      |          |
| 12 MO GASOIL CAL SWAP SPR | GXZ | 0                  | 230                | -100.0%  | 0                  | 0.0%    | 0                    | 230                  | -100.0%  |
| 1 MO GASOIL CAL SWAP SPR  | GXA | 0                  | 0                  | 0.0%     | 0                  | -       | 0                    | 0                    | 0.0%     |
| BRENT 1 MONTH CAL         | AA  | 0                  | 0                  | -        | 0                  | 0.0%    | 3,000                | 0                    | -        |
| BRENT CALENDAR SWAP       | BA  | 2,765              | 1,050              | 163.3%   | 400                | 591.3%  | 4,305                | 3,422                | 25.8%    |
| BRENT CRUDE OIL 12 M CSO  | 9Y  | 0                  | 0                  | -        | 0                  | 0.0%    | 2,000                | 0                    | -        |
| BRENT CRUDE OIL 1 M CSO   | 9C  | 55,164             | 0                  | -        | 61,630             | -10.5%  | 371,538              | 0                    | -        |
| BRENT CRUDE OIL 6 M CSO   | 9L  | 0                  | 0                  | -        | 0                  | 0.0%    | 1,000                | 0                    | -        |
| BRENT OIL LAST DAY        | BE  | 33,019             | 1,020              | 3,137.2% | 55,880             | -40.9%  | 175,063              | 15,950               | 997.6%   |
| BRENT OIL LAST DAY        | BZO | 151,596            | 25,493             | 494.7%   | 137,760            | 10.0%   | 744,205              | 141,969              | 424.2%   |
| BRENT OIL LAST DAY        | OS  | 50                 | 1,096              | -95.4%   | 0                  | 0.0%    | 1,090                | 3,144                | -65.3%   |
| COAL API2 INDEX           | CLA | 370                | 1,185              | -68.8%   | 890                | -58.4%  | 4,225                | 7,066                | -40.2%   |
| COAL API2 INDEX           | CQA | 875                | 0                  | 0.0%     | 955                | -8.4%   | 2,880                | 610                  | 372.1%   |
| COAL API2 INDEX           | MTC | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 50                   | -100.0%  |
| COAL API4 INDEX           | RLA | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 25                   | 0                    | 0.0%     |
| COAL API4 INDEX           | RQA | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 60                   | 0                    | 0.0%     |
| COAL SWAP                 | CPF | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 140                  | -100.0%  |
| COAL SWAP                 | RPF | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 85                   | -100.0%  |
| CRUDE OIL 1MO             | WA  | 312,400            | 190,901            | 63.6%    | 298,450            | 4.7%    | 1,362,110            | 1,055,573            | 29.0%    |
| CRUDE OIL APO             | AO  | 30,612             | 36,758             | -16.7%   | 66,495             | -54.0%  | 326,023              | 201,026              | 62.2%    |
| CRUDE OIL CALNDR STRIP    | 6F  | 0                  | 0                  | -        | 0                  | 0.0%    | 170                  | 0                    | -        |
| CRUDE OIL OUTRIGHTS       | AH  | 0                  | 0                  | 0.0%     | 0                  | 0.0%    | 0                    | 0                    | 0.0%     |

## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                             |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG     | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG   |
|---------------------------------------|-----|--------------------|--------------------|---------|--------------------|-----------|----------------------|----------------------|---------|
| <b>Energy Options</b>                 |     |                    |                    |         |                    |           |                      |                      |         |
| CRUDE OIL OUTRIGHTS                   | DBP | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| CRUDE OIL OUTRIGHTS                   | WCI | 0                  | 0                  | -       | 0                  | 0.0%      | 0                    | 0                    | -       |
| CRUDE OIL PHY                         | CD  | 325                | 2,750              | -88.2%  | 10,275             | -96.8%    | 17,625               | 12,260               | 43.8%   |
| CRUDE OIL PHY                         | LC  | 2,260              | 17,353             | -87.0%  | 9,804              | -76.9%    | 65,355               | 194,952              | -66.5%  |
| CRUDE OIL PHY                         | LO  | 3,341,229          | 4,065,747          | -17.8%  | 3,935,382          | -15.1%    | 22,194,424           | 24,224,996           | -8.4%   |
| CRUDE OIL PHY                         | LO1 | 7,455              | 11,365             | -34.4%  | 24,908             | -70.1%    | 80,525               | 71,802               | 12.1%   |
| CRUDE OIL PHY                         | LO2 | 12,913             | 15,852             | -18.5%  | 23,582             | -45.2%    | 91,858               | 66,198               | 38.8%   |
| CRUDE OIL PHY                         | LO3 | 281                | 6,885              | -95.9%  | 8,880              | -96.8%    | 57,076               | 48,608               | 17.4%   |
| CRUDE OIL PHY                         | LO4 | 14,075             | 17,091             | -17.6%  | 22,608             | -37.7%    | 94,574               | 92,152               | 2.6%    |
| CRUDE OIL PHY                         | LO5 | 21,575             | 21,155             | 2.0%    | 62                 | 34,698.4% | 34,914               | 34,788               | 0.4%    |
| ELEC FINSETTLED                       | PML | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| ELEC MISO PEAK                        | 9T  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 820                  | -100.0% |
| ETHANOL                               | CE1 | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 275                  | 75                   | 266.7%  |
| ETHANOL                               | CE3 | 0                  | 0                  | 0.0%    | 150                | -100.0%   | 150                  | 300                  | -50.0%  |
| ETHANOL SWAP                          | CVR | 8,883              | 5,396              | 64.6%   | 10,285             | -13.6%    | 51,035               | 31,437               | 62.3%   |
| ETHANOL SWAP                          | GVR | 300                | 0                  | 0.0%    | 90                 | 233.3%    | 2,073                | 920                  | 125.3%  |
| EURO-DENOMINATED PETRO PROD           | NWE | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| EUROPEAN JET KEROSENE NWE (PLATTS) A  | 30  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| GASOLINE                              | GCE | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| HEATING OIL CRACK OPTIONS             | CH  | 0                  | 100                | -100.0% | 0                  | 0.0%      | 0                    | 100                  | -100.0% |
| HEATING OIL CRK SPD AVG PRICE OPTIONS | 3W  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| HEATING OIL PHY                       | LB  | 120                | 610                | -80.3%  | 620                | -80.6%    | 740                  | 1,516                | -51.2%  |
| HEATING OIL PHY                       | OH  | 27,096             | 41,955             | -35.4%  | 25,916             | 4.6%      | 187,521              | 200,579              | -6.5%   |
| HENRY HUB FINANCIAL LAST              | E7  | 2,912              | 2,741              | 6.2%    | 3,411              | -14.6%    | 20,771               | 22,224               | -6.5%   |
| HO 1 MONTH CLNDR OPTIONS              | FA  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 1,300                | -100.0% |
| HUSTN SHIP CHNL PIPE SWP              | PK  | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| LLS CRUDE OIL                         | WJO | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 100                  | 5,100                | -98.0%  |
| LLS CRUDE OIL                         | YVO | 0                  | 0                  | -       | 0                  | 0.0%      | 0                    | 0                    | -       |
| MCCLOSKEY ARA ARGS COAL               | MTO | 30                 | 540                | -94.4%  | 135                | -77.8%    | 255                  | 1,290                | -80.2%  |
| MCCLOSKEY RCH BAY COAL                | MFO | 0                  | 0                  | 0.0%    | 150                | -100.0%   | 1,875                | 0                    | 0.0%    |
| NATURAL GAS                           | G10 | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 450                  | -100.0% |
| NATURAL GAS 1 M CSO FIN               | G4  | 14,703             | 36,200             | -59.4%  | 10,250             | 43.4%     | 237,645              | 274,125              | -13.3%  |
| NATURAL GAS 2 M CSO FIN               | G2  | 1,000              | 250                | 300.0%  | 0                  | 0.0%      | 1,000                | 3,550                | -71.8%  |
| NATURAL GAS 3 M CSO FIN               | G3  | 5,450              | 28,850             | -81.1%  | 15,150             | -64.0%    | 34,896               | 72,800               | -52.1%  |
| NATURAL GAS 5 M CSO FIN               | G5  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 2,550                | 4,050                | -37.0%  |
| NATURAL GAS 6 M CSO FIN               | G6  | 2,000              | 700                | 185.7%  | 2,000              | 0.0%      | 67,650               | 34,570               | 95.7%   |



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|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|-----------|----------------------|----------------------|---------|
| <b>Energy Options</b>               |     |                    |                    |         |                    |           |                      |                      |         |
| NATURAL GAS OPTION ON CALENDAR STRP | 6J  | 200                | 1,500              | -86.7%  | 900                | -77.8%    | 19,508               | 5,498                | 254.8%  |
| NATURAL GAS PHY                     | KD  | 23,660             | 44,507             | -46.8%  | 23,545             | 0.5%      | 138,831              | 201,111              | -31.0%  |
| NATURAL GAS PHY                     | LN  | 1,100,939          | 2,548,658          | -56.8%  | 1,515,300          | -27.3%    | 10,960,330           | 14,071,579           | -22.1%  |
| NATURAL GAS PHY                     | ON  | 165,614            | 213,363            | -22.4%  | 167,766            | -1.3%     | 1,070,831            | 1,243,891            | -13.9%  |
| NATURAL GAS PHY                     | ON1 | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| NG HH 3 MONTH CAL                   | IC  | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| N ROCKIES PIPE SWAP                 | ZR  | 224                | 540                | -58.5%  | 736                | -69.6%    | 960                  | 2,496                | -61.5%  |
| NY HARBOR HEAT OIL SWP              | AT  | 1,549              | 5,280              | -70.7%  | 3,895              | -60.2%    | 17,187               | 20,840               | -17.5%  |
| NYISO ZONE G 5MW PEAK OPTIONS       | 9U  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 19,830               | -100.0% |
| NYMEX EUROPEAN GASOIL APO           | F7  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| NYMEX EUROPEAN GASOIL OPT           | F8  | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| PANHANDLE PIPE SWAP                 | PU  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 2,880                | -100.0% |
| PETROCHEMICALS                      | 4H  | 325                | 350                | -7.1%   | 708                | -54.1%    | 3,166                | 2,819                | 12.3%   |
| PETROCHEMICALS                      | 4J  | 0                  | 30                 | -100.0% | 0                  | 0.0%      | 1,350                | 2,450                | -44.9%  |
| PETROCHEMICALS                      | 4K  | 200                | 0                  | 0.0%    | 0                  | 0.0%      | 200                  | 0                    | 0.0%    |
| PETROCHEMICALS                      | CPR | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 18                   | -100.0% |
| PETRO OUTRIGHT EURO                 | 8H  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 300                  | -100.0% |
| PETRO OUTRIGHT NA                   | DAP | 0                  | 0                  | -       | 0                  | 0.0%      | 0                    | 0                    | -       |
| PJM MONTHLY                         | JO  | 0                  | 0                  | 0.0%    | 0                  | -         | 0                    | 0                    | 0.0%    |
| PJM WES HUB PEAK CAL MTH            | 6OA | 60                 | 400                | -85.0%  | 0                  | 0.0%      | 310                  | 3,020                | -89.7%  |
| PJM WES HUB PEAK CAL MTH            | JOA | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 880                  | 0                    | 0.0%    |
| PJM WES HUB PEAK LMP 50MW           | PMA | 983                | 380                | 158.7%  | 1,064              | -7.6%     | 6,322                | 11,593               | -45.5%  |
| RBOB 1MO CAL SPD OPTIONS            | ZA  | 200                | 550                | -63.6%  | 0                  | 0.0%      | 700                  | 550                  | 27.3%   |
| RBOB CALENDAR SWAP                  | RA  | 0                  | 0                  | 0.0%    | 55                 | -100.0%   | 965                  | 2,135                | -54.8%  |
| RBOB PHY                            | OB  | 14,398             | 24,165             | -40.4%  | 13,805             | 4.3%      | 74,637               | 154,444              | -51.7%  |
| RBOB PHY                            | RF  | 0                  | 25                 | -100.0% | 0                  | 0.0%      | 125                  | 85                   | 47.1%   |
| ROTTERDAM 3.5%FUEL OIL CL           | Q6  | 0                  | 0                  | 0.0%    | 0                  | 0.0%      | 0                    | 0                    | 0.0%    |
| SAN JUAN PIPE SWAP                  | PJ  | 186                | 540                | -65.6%  | 336                | -44.6%    | 1,422                | 1,800                | -21.0%  |
| SHORT TERM                          | U11 | 75                 | 0                  | 0.0%    | 651                | -88.5%    | 1,026                | 2,450                | -58.1%  |
| SHORT TERM                          | U12 | 50                 | 2,190              | -97.7%  | 0                  | 0.0%      | 585                  | 3,589                | -83.7%  |
| SHORT TERM                          | U13 | 0                  | 690                | -100.0% | 0                  | 0.0%      | 100                  | 1,665                | -94.0%  |
| SHORT TERM                          | U14 | 75                 | 490                | -84.7%  | 103                | -27.2%    | 813                  | 1,290                | -37.0%  |
| SHORT TERM                          | U15 | 500                | 840                | -40.5%  | 2                  | 24,900.0% | 777                  | 3,585                | -78.3%  |
| SHORT TERM                          | U22 | 130                | 777                | -83.3%  | 36                 | 261.1%    | 1,191                | 1,577                | -24.5%  |
| SHORT TERM                          | U23 | 0                  | 162                | -100.0% | 0                  | 0.0%      | 580                  | 1,022                | -43.2%  |
| SHORT TERM                          | U24 | 0                  | 0                  | 0.0%    | 326                | -100.0%   | 426                  | 1,720                | -75.2%  |

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## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                 |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG   | VOLUME<br>MAY 2018 | % CHG    | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG  |
|---------------------------|-----|--------------------|--------------------|---------|--------------------|----------|----------------------|----------------------|--------|
| <b>Energy Options</b>     |     |                    |                    |         |                    |          |                      |                      |        |
| SHORT TERM                | U25 | 102                | 0                  | 0.0%    | 0                  | 0.0%     | 102                  | 100                  | 2.0%   |
| SHORT TERM                | U26 | 0                  | 232                | -100.0% | 0                  | 0.0%     | 300                  | 292                  | 2.7%   |
| SHORT TERM NATURAL GAS    | U01 | 0                  | 0                  | 0.0%    | 225                | -100.0%  | 350                  | 2,040                | -82.8% |
| SHORT TERM NATURAL GAS    | U02 | 270                | 1,140              | -76.3%  | 200                | 35.0%    | 1,445                | 2,425                | -40.4% |
| SHORT TERM NATURAL GAS    | U03 | 0                  | 750                | -100.0% | 625                | -100.0%  | 755                  | 2,120                | -64.4% |
| SHORT TERM NATURAL GAS    | U04 | 575                | 0                  | 0.0%    | 125                | 360.0%   | 950                  | 730                  | 30.1%  |
| SHORT TERM NATURAL GAS    | U05 | 105                | 1,895              | -94.5%  | 80                 | 31.3%    | 810                  | 2,625                | -69.1% |
| SHORT TERM NATURAL GAS    | U06 | 200                | 665                | -69.9%  | 0                  | 0.0%     | 650                  | 5,165                | -87.4% |
| SHORT TERM NATURAL GAS    | U07 | 1,051              | 590                | 78.1%   | 300                | 250.3%   | 1,601                | 2,265                | -29.3% |
| SHORT TERM NATURAL GAS    | U08 | 0                  | 1,265              | -100.0% | 150                | -100.0%  | 1,375                | 3,385                | -59.4% |
| SHORT TERM NATURAL GAS    | U09 | 0                  | 940                | -100.0% | 0                  | 0.0%     | 734                  | 2,700                | -72.8% |
| SHORT TERM NATURAL GAS    | U10 | 0                  | 0                  | 0.0%    | 500                | -100.0%  | 700                  | 3,757                | -81.4% |
| SHORT TERM NATURAL GAS    | U16 | 0                  | 1,240              | -100.0% | 12                 | -100.0%  | 597                  | 2,120                | -71.8% |
| SHORT TERM NATURAL GAS    | U17 | 0                  | 0                  | 0.0%    | 1,760              | -100.0%  | 2,280                | 1,909                | 19.4%  |
| SHORT TERM NATURAL GAS    | U18 | 850                | 0                  | 0.0%    | 22                 | 3,763.6% | 1,372                | 417                  | 229.0% |
| SHORT TERM NATURAL GAS    | U19 | 0                  | 2,150              | -100.0% | 0                  | 0.0%     | 185                  | 3,305                | -94.4% |
| SHORT TERM NATURAL GAS    | U20 | 300                | 990                | -69.7%  | 0                  | 0.0%     | 300                  | 2,515                | -88.1% |
| SHORT TERM NATURAL GAS    | U21 | 150                | 940                | -84.0%  | 203                | -26.1%   | 353                  | 1,605                | -78.0% |
| SHORT TERM NATURAL GAS    | U27 | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 400                  | 1,870                | -78.6% |
| SHORT TERM NATURAL GAS    | U28 | 0                  | 1,160              | -100.0% | 0                  | 0.0%     | 100                  | 1,405                | -92.9% |
| SHORT TERM NATURAL GAS    | U29 | 60                 | 260                | -76.9%  | 100                | -40.0%   | 460                  | 260                  | 76.9%  |
| SHORT TERM NATURAL GAS    | U30 | 0                  | 1,260              | -100.0% | 0                  | 0.0%     | 100                  | 3,055                | -96.7% |
| SHORT TERM NATURAL GAS    | U31 | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 25                   | 5,250                | -99.5% |
| SINGAPORE GASOIL CALENDAR | M2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| SINGAPORE JET FUEL CALEND | N2  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| SOCAL PIPE SWAP           | ZN  | 0                  | 0                  | 0.0%    | 0                  | 0.0%     | 0                    | 0                    | 0.0%   |
| WTI-BRENT BULLET SWAP     | BV  | 62,223             | 10,367             | 500.2%  | 95,991             | -35.2%   | 684,702              | 230,122              | 197.5% |
| WTI CRUDE OIL 1 M CSO FI  | 7A  | 91,300             | 46,000             | 98.5%   | 82,700             | 10.4%    | 495,050              | 354,200              | 39.8%  |
| <b>Metals Futures</b>     |     |                    |                    |         |                    |          |                      |                      |        |
| COMEX GOLD                | GC  | 5,738,950          | 4,906,631          | 17.0%   | 8,676,586          | -33.9%   | 44,347,121           | 32,376,795           | 37.0%  |
| NYMEX HOT ROLLED STEEL    | HR  | 5,226              | 4,905              | 6.5%    | 9,487              | -44.9%   | 55,949               | 24,543               | 128.0% |
| NYMEX PLATINUM            | PL  | 652,863            | 529,562            | 23.3%   | 392,326            | 66.4%    | 2,822,195            | 2,312,505            | 22.0%  |
| PALLADIUM                 | PA  | 93,661             | 120,488            | -22.3%  | 127,272            | -26.4%   | 730,624              | 761,867              | -4.1%  |

## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                        |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG    | VOLUME<br>MAY 2018 | % CHG  | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG    |
|----------------------------------|-----|--------------------|--------------------|----------|--------------------|--------|----------------------|----------------------|----------|
| <b>Metals Futures</b>            |     |                    |                    |          |                    |        |                      |                      |          |
| URANIUM                          | UX  | 431                | 530                | -18.7%   | 100                | 331.0% | 1,443                | 3,939                | -63.4%   |
| COMEX SILVER                     | SI  | 2,486,341          | 2,371,502          | 4.8%     | 1,702,205          | 46.1%  | 12,998,931           | 11,116,153           | 16.9%    |
| COMEX E-Mini GOLD                | QO  | 5,175              | 5,858              | -11.7%   | 6,960              | -25.6% | 40,680               | 51,873               | -21.6%   |
| COMEX E-Mini SILVER              | QI  | 1,586              | 986                | 60.9%    | 898                | 76.6%  | 7,443                | 5,484                | 35.7%    |
| COMEX COPPER                     | HG  | 3,619,808          | 2,297,605          | 57.5%    | 2,562,938          | 41.2%  | 17,546,072           | 12,300,230           | 42.6%    |
| COMEX MINY COPPER                | QC  | 418                | 996                | -58.0%   | 363                | 15.2%  | 3,180                | 5,109                | -37.8%   |
| ALUMINUM                         | A38 | 0                  | 0                  | 0.0%     | 0                  | 0.0%   | 0                    | 30                   | -100.0%  |
| ALUMINUM                         | AEP | 960                | 1,380              | -30.4%   | 2,804              | -65.8% | 10,800               | 17,069               | -36.7%   |
| ALUMINUM                         | ALA | 300                | 50                 | 500.0%   | 775                | -61.3% | 4,000                | 200                  | 1,900.0% |
| ALUMINUM                         | ALI | 0                  | 380                | -100.0%  | 0                  | 0.0%   | 0                    | 5,171                | -100.0%  |
| ALUMINUM                         | AUP | 7,175              | 5,921              | 21.2%    | 8,480              | -15.4% | 66,113               | 46,940               | 40.8%    |
| ALUMINUM                         | CUP | 0                  | 0                  | -        | 0                  | 0.0%   | 205                  | 0                    | -        |
| ALUMINUM                         | EDP | 180                | 1,253              | -85.6%   | 1,785              | -89.9% | 8,657                | 4,050                | 113.8%   |
| ALUMINUM                         | MJP | 380                | 937                | -59.4%   | 176                | 115.9% | 7,855                | 5,685                | 38.2%    |
| COPPER                           | HGS | 516                | 40                 | 1,190.0% | 50                 | 932.0% | 10,639               | 963                  | 1,004.8% |
| E-MICRO GOLD                     | MGC | 112,175            | 87,230             | 28.6%    | 148,719            | -24.6% | 780,046              | 524,616              | 48.7%    |
| FERROUS PRODUCTS                 | BUS | 155                | 195                | -20.5%   | 1,106              | -86.0% | 10,455               | 500                  | 1,991.0% |
| GOLD                             | GPS | 0                  | 0                  | 0.0%     | 0                  | 0.0%   | 0                    | 0                    | 0.0%     |
| Gold Kilo                        | GCK | 0                  | 356                | -100.0%  | 0                  | 0.0%   | 136                  | 2,277                | -94.0%   |
| IRON ORE 62 CHINA PLATTS FUTURES | PIO | 0                  | 630                | -100.0%  | 0                  | 0.0%   | 0                    | 2,142                | -100.0%  |
| IRON ORE 62 CHINA TSI FUTURES    | TIO | 2,766              | 6,205              | -55.4%   | 5,349              | -48.3% | 22,529               | 66,426               | -66.1%   |
| LNDN ZINC                        | ZNC | 1,116              | 35                 | 3,088.6% | 137                | 714.6% | 1,293                | 85                   | 1,421.2% |
| METALS                           | LED | 0                  | 0                  | 0.0%     | 0                  | -      | 0                    | 0                    | 0.0%     |
| SILVER                           | SIL | 9,728              | 5,916              | 64.4%    | 5,546              | 75.4%  | 44,542               | 31,386               | 41.9%    |
| <b>Metals Options</b>            |     |                    |                    |          |                    |        |                      |                      |          |
| COMEX COPPER                     | HX  | 33,221             | 2,328              | 1,327.0% | 21,300             | 56.0%  | 136,737              | 22,600               | 505.0%   |
| COMEX GOLD                       | OG  | 959,733            | 780,304            | 23.0%    | 972,624            | -1.3%  | 5,775,079            | 4,782,030            | 20.8%    |
| COMEX SILVER                     | SO  | 191,832            | 108,479            | 76.8%    | 141,157            | 35.9%  | 924,189              | 680,119              | 35.9%    |
| COPPER                           | H2E | 7                  | 0                  | -        | 0                  | -      | 7                    | 0                    | -        |
| COPPER                           | H3E | 5                  | 0                  | -        | 0                  | -      | 5                    | 0                    | -        |
| COPPER                           | H4E | 25                 | 0                  | -        | 11                 | 127.3% | 36                   | 0                    | -        |
| GOLD                             | OG1 | 6,193              | 2,471              | 150.6%   | 12,153             | -49.0% | 59,418               | 16,201               | 266.8%   |
| GOLD                             | OG2 | 7,406              | 3,424              | 116.3%   | 10,392             | -28.7% | 50,322               | 17,070               | 194.8%   |
| GOLD                             | OG3 | 12,308             | 4,030              | 205.4%   | 11,994             | 2.6%   | 60,934               | 23,400               | 160.4%   |



## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity                         |     | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG         | VOLUME<br>MAY 2018 | % CHG         | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG        |
|-----------------------------------|-----|--------------------|--------------------|---------------|--------------------|---------------|----------------------|----------------------|--------------|
| <b>Metals Options</b>             |     |                    |                    |               |                    |               |                      |                      |              |
| GOLD                              | OG4 | 7,927              | 2,636              | 200.7%        | 4,069              | 94.8%         | 35,507               | 8,666                | 309.7%       |
| GOLD                              | OG5 | 8,540              | 3,183              | 168.3%        | 0                  | 0.0%          | 15,375               | 5,791                | 165.5%       |
| HOT ROLLED COIL STEEL CALL OPTION | HRO | 0                  | 0                  | -             | 0                  | 0.0%          | 0                    | 0                    | -            |
| IRON ORE 62 CHINA TSI CALL OPTION | ICT | 0                  | 180                | -100.0%       | 0                  | 0.0%          | 200                  | 8,152                | -97.5%       |
| IRON ORE 62 CHINA TSI PUT OPTION  | ICT | 200                | 430                | -53.5%        | 0                  | 0.0%          | 1,280                | 14,615               | -91.2%       |
| NYMEX PLATINUM                    | PO  | 5,839              | 1,325              | 340.7%        | 3,237              | 80.4%         | 21,610               | 14,713               | 46.9%        |
| PALLADIUM                         | PAO | 2,593              | 5,755              | -54.9%        | 2,212              | 17.2%         | 19,167               | 25,192               | -23.9%       |
| SILVER                            | SO1 | 466                | 45                 | 935.6%        | 119                | 291.6%        | 1,206                | 509                  | 136.9%       |
| SILVER                            | SO2 | 545                | 24                 | 2,170.8%      | 317                | 71.9%         | 1,212                | 164                  | 639.0%       |
| SILVER                            | SO3 | 802                | 5                  | 15,940.0%     | 207                | 287.4%        | 1,767                | 567                  | 211.6%       |
| SILVER                            | SO4 | 502                | 3                  | 16,633.3%     | 109                | 360.6%        | 976                  | 97                   | 906.2%       |
| SILVER                            | SO5 | 1,048              | 3                  | 34,833.3%     | 0                  | 0.0%          | 1,181                | 3                    | 39,266.7%    |
| <b>TOTAL FUTURES GROUP</b>        |     |                    |                    |               |                    |               |                      |                      |              |
| Ag Products Futures               |     | 0                  | 15                 | -100.0%       | 0                  | 0.0%          | 65                   | 168                  | -61.3%       |
| Energy Futures                    |     | 48,579,202         | 51,349,511         | -5.4%         | 52,767,300         | -7.9%         | 296,556,716          | 277,118,396          | 7.0%         |
| Metals Futures                    |     | 12,739,910         | 10,349,591         | 23.1%         | 13,654,062         | -6.7%         | 79,520,908           | 59,666,038           | 33.3%        |
| <b>TOTAL FUTURES</b>              |     | <b>61,319,112</b>  | <b>61,699,117</b>  | <b>-0.6%</b>  | <b>66,421,362</b>  | <b>-7.7%</b>  | <b>376,077,689</b>   | <b>336,784,602</b>   | <b>11.7%</b> |
| <b>TOTAL OPTIONS GROUP</b>        |     |                    |                    |               |                    |               |                      |                      |              |
| Energy Options                    |     | 5,516,012          | 7,450,554          | -26.0%        | 6,638,339          | -16.9%        | 39,741,499           | 43,230,101           | -8.1%        |
| Metals Options                    |     | 1,239,192          | 914,625            | 35.5%         | 1,179,901          | 5.0%          | 7,106,208            | 5,619,889            | 26.4%        |
| <b>TOTAL OPTIONS</b>              |     | <b>6,755,204</b>   | <b>8,365,179</b>   | <b>-19.2%</b> | <b>7,818,240</b>   | <b>-13.6%</b> | <b>46,847,707</b>    | <b>48,849,990</b>    | <b>-4.1%</b> |





## NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity             | VOLUME<br>JUN 2018 | VOLUME<br>JUN 2017 | % CHG        | VOLUME<br>MAY 2018 | % CHG        | VOLUME<br>Y.T.D 2018 | VOLUME<br>Y.T.D 2017 | % CHG       |
|-----------------------|--------------------|--------------------|--------------|--------------------|--------------|----------------------|----------------------|-------------|
| <b>TOTAL COMBINED</b> |                    |                    |              |                    |              |                      |                      |             |
| Ag Products           | 0                  | 15                 | -100.0%      | 0                  | -            | 65                   | 168                  | -61.3%      |
| Energy                | 54,095,214         | 58,800,065         | -8.0%        | 59,405,639         | -8.9%        | 336,298,215          | 320,348,497          | 5.0%        |
| Metals                | 13,979,102         | 11,264,216         | 24.1%        | 14,833,963         | -5.8%        | 86,627,116           | 65,285,927           | 32.7%       |
| <b>GRAND TOTAL</b>    | <b>68,074,316</b>  | <b>70,064,296</b>  | <b>-2.8%</b> | <b>74,239,602</b>  | <b>-8.3%</b> | <b>422,925,396</b>   | <b>385,634,592</b>   | <b>9.7%</b> |