

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                     | Commodity Indicator | Open Outcry AUG 2019 | Open Outcry AUG 2018 | % CHG | ELEC AUG 2019 | ELEC AUG 2018 | % CHG | CME ClearPort AUG 2019 | CME ClearPort AUG 2018 | % CHG   | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG   | CME ClearPort Y.T.D 2019 | CME ClearPort Y.T.D 2018 | % CHG   |
|---------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Ag Products Futures |                     |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |         |                          |                          |         |
|                     | CJ                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 8               | 5               | 60.0%   | 0                        | 0                        | 0.0%    |
|                     | KT                  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
|                     | TT                  | 0                    | 0                    | 0.0%  | 1             | 2             | -0.5  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 30              | 4               | 650.0%  | 0                        | 0                        | 0.0%    |
|                     | YO                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 10              | 58              | -82.8%  | 0                        | 0                        | 0.0%    |
| Energy Futures      |                     |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |         |                          |                          |         |
|                     | CL                  | 0                    | 0                    | 0.0%  | 27,444,266    | 19,206,267    | 0.43  | 457,472                | 454,789                | 0.6%    | 0                      | 0                      | 0.0%  | 199,027,114     | 206,790,064     | -3.8%   | 3,776,219                | 3,723,677                | 1.4%    |
|                     | WS                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 500                    | -100.0% | 0                      | 0                      | 0.0%  | 0               | 89              | -100.0% | 16,694                   | 15,550                   | 7.4%    |
|                     | QM                  | 0                    | 0                    | 0.0%  | 530,406       | 310,323       | 0.71  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 3,739,038       | 2,690,332       | 39.0%   | 0                        | 0                        | 0.0%    |
|                     | BZ                  | 0                    | 0                    | 0.0%  | 2,241,059     | 1,191,765     | 0.88  | 22,718                 | 19,239                 | 18.1%   | 0                      | 0                      | 0.0%  | 16,978,503      | 13,765,350      | 23.3%   | 405,985                  | 295,895                  | 37.2%   |
|                     | HO                  | 0                    | 0                    | 0.0%  | 3,187,525     | 3,376,550     | -0.06 | 191,609                | 189,498                | 1.1%    | 0                      | 0                      | 0.0%  | 24,901,004      | 29,606,828      | -15.9%  | 1,795,706                | 1,509,035                | 19.0%   |
|                     | BH                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 96                       | 84                       | 14.3%   |
|                     | QH                  | 0                    | 0                    | 0.0%  | 3             | 7             | -0.57 | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 26              | 29              | -10.3%  | 0                        | 0                        | 0.0%    |
|                     | RB                  | 0                    | 0                    | 0.0%  | 3,465,573     | 4,633,674     | -0.25 | 198,250                | 225,247                | -12.0%  | 0                      | 0                      | 0.0%  | 32,849,575      | 31,966,847      | 2.8%    | 2,034,583                | 1,761,321                | 15.5%   |
|                     | QU                  | 0                    | 0                    | 0.0%  | 13            | 5             | 1.6   | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 56              | 28              | 100.0%  | 0                        | 0                        | 0.0%    |
|                     | HP                  | 0                    | 0                    | 0.0%  | 27,402        | 23,549        | 0.16  | 82,623                 | 47,828                 | 72.8%   | 0                      | 0                      | 0.0%  | 298,569         | 365,804         | -18.4%  | 577,835                  | 524,232                  | 10.2%   |
|                     | HH                  | 0                    | 0                    | 0.0%  | 108,673       | 158,535       | -0.31 | 112,000                | 154,189                | -27.4%  | 0                      | 0                      | 0.0%  | 1,233,730       | 1,621,630       | -23.9%  | 1,185,380                | 1,080,071                | 9.8%    |
|                     | QG                  | 0                    | 0                    | 0.0%  | 34,885        | 17,133        | 1.04  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 226,069         | 203,119         | 11.3%   | 0                        | 36                       | -100.0% |
|                     | JM                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | NG                  | 0                    | 0                    | 0.0%  | 9,054,319     | 8,237,496     | 0.1   | 228,938                | 224,498                | 2.0%    | 0                      | 0                      | 0.0%  | 61,225,216      | 67,980,414      | -9.9%   | 2,006,997                | 2,164,576                | -7.3%   |
|                     | RT                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 72                       | 14,374                   | -99.5%  |
|                     | 7D                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 16                     | 60                     | -73.3%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 97                       | 512                      | -81.1%  |
|                     | 8D                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 20                       | 95                       | -78.9%  |
|                     | VD                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | VM                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | VP                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | N7                  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
|                     | B4                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | ND                  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
|                     | NE                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
|                     | E5                  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 720                    | 15,010                 | -95.2%  | 0                      | 0                      | 0.0%  | 0               | 30              | -100.0% | 73,466                   | 187,081                  | -60.7%  |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

|                           |     | Open   | Open   |      | ELEC | ELEC |       | CME       | CME       |         | Open   | Open   |      | ELEC  | ELEC  |        | CME       | CME       |         |
|---------------------------|-----|--------|--------|------|------|------|-------|-----------|-----------|---------|--------|--------|------|-------|-------|--------|-----------|-----------|---------|
| Commodity Indicator       |     | Outcry | Outcry | %    | AUG  | AUG  | %     | ClearPort | ClearPort | %       | Outcry | Outcry | %    | Y.T.D | Y.T.D | %      | ClearPort | ClearPort | %       |
|                           |     | AUG    | AUG    | CHG  | 2019 | 2018 | CHG   | AUG 2019  | AUG 2018  | CHG     | Y.T.D  | Y.T.D  | CHG  | 2019  | 2018  | CHG    | Y.T.D     | Y.T.D     | CHG     |
|                           |     | 2019   | 2018   |      |      |      |       |           |           |         | 2019   | 2018   |      |       |       |        | 2019      | 2018      |         |
| <b>Energy Futures</b>     |     |        |        |      |      |      |       |           |           |         |        |        |      |       |       |        |           |           |         |
| ARGUS PROPAN FAR EST INDE | 7E  | 0      | 0      | 0.0% | 0    | 0    | 0     | 6,872     | 5,486     | 25.3%   | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 49,853    | 45,787    | 8.9%    |
| ARGUS PROPAN(SAUDI ARAMC  | 9N  | 0      | 0      | 0.0% | 0    | 0    | 0     | 3,559     | 3,403     | 4.6%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 23,463    | 20,554    | 14.2%   |
| AUSTRIALIAN COKE COAL     | ACT | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 20        | -100.0% |
| AUSTRIALIAN COKE COAL     | ALW | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| BRENT BALMO SWAP          | J9  | 0      | 0      | 0.0% | 0    | 0    | 0     | 352       | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 1,315     | 185       | 610.8%  |
| BRENT CALENDAR SWAP       | CY  | 0      | 0      | 0.0% | 0    | 0    | 0     | 9,902     | 2,997     | 230.4%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 58,186    | 27,989    | 107.9%  |
| BRENT CFD SWAP            | 6W  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 300       | -100.0% |
| BRENT FINANCIAL FUTURES   | BB  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 1,000     | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 7,000     | 14,264    | -50.9%  |
| BRENT FINANCIAL FUTURES   | MBC | 0      | 0      | 0.0% | 0    | 0    | 0     | 450       | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 769       | 127       | 505.5%  |
| BRENT FINANCIAL FUTURES   | MDB | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 224       | -100.0% |
| BRENT OIL LAST DAY        | BZL | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 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%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| CAISO SP15 EZGNHUB5 PEAK  | 9Z  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| CANADIAN LIGHT SWEET OIL  | CIL | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| CENTERPOINT BASIS SWAP    | PW  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 36        | -100.0% |
| CHICAGO ETHANOL SWAP      | CU  | 0      | 0      | 0.0% | 35   | 56   | -0.38 | 91,926    | 111,575   | -17.6%  | 0      | 0      | 0.0% | 509   | 1,901 | -73.2% | 840,966   | 801,966   | 4.9%    |
| CHICAGO ULSD (PLATTS) SWA | 4C  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| CHICAGO ULSD PL VS HO SPR | 5C  | 0      | 0      | 0.0% | 0    | 0    | 0     | 270       | 586       | -53.9%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 4,484     | 3,120     | 43.7%   |
| CHICAGO UNL GAS PL VS RBO | 3C  | 0      | 0      | 0.0% | 0    | 0    | 0     | 50        | 200       | -75.0%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 1,170     | 950       | 23.2%   |
| CIG BASIS                 | CI  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 196       | -100.0% |
| CIG ROCKIES NG INDEX SWA  | Z8  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| CINERGY HUB OFF-PEAK MON  | EJ  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 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         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| CIN HUB 5MW D AH PK       | H5  | 0      | 0      | 0.0% | 0    | 0    | 0     | 424       | 1,214     | -65.1%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 4,294     | 10,010    | -57.1%  |
| CIN HUB 5MW REAL TIME O P | H4  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 3,920     | 0         | 0.0%    |
| CIN HUB 5MW REAL TIME PK  | H3  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 325       | 230       | 41.3%   |
| COAL SWAP                 | ACM | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 15        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 465       | -100.0% |
| COAL SWAP                 | SSI | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 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%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 364       | 0         | 0.0%    |
| COLUMBIA GULF ONSHORE     | GL  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| CONWAY NATURAL GASOLINE   | 8L  | 0      | 0      | 0.0% | 0    | 0    | 0     | 570       | 183       | 211.5%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 1,803     | 1,497     | 20.4%   |
| CONWAY NORMAL BUTANE (O   | 8M  | 0      | 0      | 0.0% | 0    | 0    | 0     | 760       | 110       | 590.9%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 3,556     | 2,536     | 40.2%   |

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|---------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|--------|------------------------|------------------------|-------|-----------------|-----------------|--------|--------------------------|--------------------------|---------|
| Energy Futures            |     |                      |                      |       |               |               |       |                        |                        |        |                        |                        |       |                 |                 |        |                          |                          |         |
| CONWAY PROPANE 5 DECIMAL  | 8K  | 0                    | 0                    | 0.0%  | 6             | 1             | 5     | 14,120                 | 19,613                 | -28.0% | 0                      | 0                      | 0.0%  | 129             | 32              | 303.1% | 122,691                  | 130,512                  | -6.0%   |
| CRUDE OIL                 | LPS | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 2,835                  | 3,900                  | -27.3% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 22,660                   | 37,855                   | -40.1%  |
| CRUDE OIL OUTRIGHTS       | 42  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 50                     | 98                     | -49.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 3,101                    | 1,895                    | 63.6%   |
| CRUDE OIL OUTRIGHTS       | CC5 | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 120                    | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 3,191                    | 0                        | 0.0%    |
| CRUDE OIL OUTRIGHTS       | CPD | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 2,956                    | -100.0% |
| CRUDE OIL OUTRIGHTS       | CSN | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%   | -                      | 0                      | 0.0%  | -               | 0               | 0.0%   | -                        | 0                        | 0.0%    |
| CRUDE OIL OUTRIGHTS       | CSW | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 272                    | 1,560                  | -82.6% | 0                      | 0                      | 0.0%  | 50              | 0               | 0.0%   | 3,142                    | 1,565                    | 100.8%  |
| CRUDE OIL OUTRIGHTS       | DBL | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 400                      | 99                       | 304.0%  |
| CRUDE OIL OUTRIGHTS       | FE  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%   | -                      | 0                      | 0.0%  | -               | 0               | 0.0%   | -                        | 0                        | 0.0%    |
| CRUDE OIL OUTRIGHTS       | GSW | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 276                      | 105                      | 162.9%  |
| CRUDE OIL OUTRIGHTS       | HTT | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 38,902                 | 35,150                 | 10.7%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 458,646                  | 407,568                  | 12.5%   |
| CRUDE OIL OUTRIGHTS       | LSW | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 30                     | 30                     | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 3,168                    | 320                      | 890.0%  |
| CRUDE OIL OUTRIGHTS       | SSW | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 0                        | 0.0%    |
| CRUDE OIL OUTRIGHTS       | UMD | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 4,800                    | -100.0% |
| CRUDE OIL OUTRIGHTS       | UNS | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 7,554                    | -100.0% |
| CRUDE OIL OUTRIGHTS       | WCC | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 0                        | 0.0%    |
| CRUDE OIL OUTRIGHTS       | WCW | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 1,610                  | 2,360                  | -31.8% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 33,904                   | 56,310                   | -39.8%  |
| CRUDE OIL PHY             | CLL | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 0                        | 0.0%    |
| CRUDE OIL PHY             | HCL | 0                    | -                    | -     | 8,916         | -             |       | 3,700                  | -                      | -      | 0                      | -                      | -     | 108,022         | -               | -      | 47,869                   | -                        | -       |
| CRUDE OIL SPRDS           | 38  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 2,055                    | -100.0% |
| CRUDE OIL SPRDS           | HIL | 0                    | -                    | -     | 0             | -             |       | 0                      | -                      | -      | 0                      | -                      | -     | 0               | -               | -      | 720                      | -                        | -       |
| CRUDE OIL SPRDS           | WTT | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 13,150                 | 22,628                 | -41.9% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 179,430                  | 366,144                  | -51.0%  |
| CRUDE OIL TRADE AT MARKER | CLS | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 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%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%   | 0                        | 0                        | 0.0%    |

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                            |     | Open   | Open   |      | ELEC  | ELEC |       | CME       | CME       |        | Open   | Open   |      | ELEC   | ELEC  |        | CME       | CME       |         |
|----------------------------|-----|--------|--------|------|-------|------|-------|-----------|-----------|--------|--------|--------|------|--------|-------|--------|-----------|-----------|---------|
| Commodity                  |     | Outcry | Outcry | %    | AUG   | AUG  | %     | ClearPort | ClearPort | %      | Outcry | Outcry | %    | Y.T.D  | Y.T.D | %      | ClearPort | ClearPort | %       |
| Indicator                  |     | AUG    | AUG    | CHG  | 2019  | 2018 | CHG   | AUG 2019  | AUG 2018  | CHG    | Y.T.D  | Y.T.D  | CHG  | 2019   | 2018  | CHG    | Y.T.D     | Y.T.D     | % CHG   |
|                            |     | 2019   | 2018   |      |       |      |       |           |           |        | 2019   | 2018   |      |        |       |        | 2019      | 2018      |         |
| <b>Energy Futures</b>      |     |        |        |      |       |      |       |           |           |        |        |        |      |        |       |        |           |           |         |
| DAILY PJM                  | ZGO | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 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%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| DATED BRENT (PLATTS) DAILY | 7G  | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 0      | 0.0% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| DATED TO FRONTLINE BRENT   | FY  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 1,000     | 3,135     | -68.1%  |
| DIESEL 10P BRG FOB RDM VS  | 7X  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 5         | -100.0% |
| DIESEL 10PPM BARGES FOB B  | U7  | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 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%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| DOMINION TRANSMISSION INC  | PG  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 126       | -100.0% |
| DUBAI CRUDE OIL BALMO      | BI  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 125       | -100.0% |
| DUBAI CRUDE OIL CALENDAR   | DC  | 0      | 0      | 0.0% | 0     | 0    | 0     | 125       | 875       | -85.7% | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 17,663    | 14,902    | 18.5%   |
| DUTCH TTF NATURAL GAS CAL  | TTF | 0      | 0      | 0.0% | 9,459 | 417  | 21.68 | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 68,701 | 7,587 | 805.5% | 0         | 10        | -100.0% |
| DY EURO 3.5% FUEL OI RDA   | FOR | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 0      | 0.0% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| EASTERN RAIL DELIVERY CSX  | QX  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 245       | -100.0% |
| EAST/WEST FUEL OIL SPREAD  | EW  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 20        | 187       | -89.3%  |
| EIA FLAT TAX ONHWAY DIESE  | A5  | 0      | 0      | 0.0% | 0     | 0    | 0     | 119       | 206       | -42.2% | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 2,761     | 1,686     | 63.8%   |
| ELEC ERCOT DLY OFF PK      | I4  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC ERCOT DLY PEAK        | I3  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC ERCOT DLY PEAK        | I7  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC ERCOT OFF PEAK        | I2  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 19,600    | -100.0% |
| ELEC FINSETTLED            | 47  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 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% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| ELEC MISO PEAK             | 4L  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC MISO PEAK             | 55  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC NYISO OFF-PEAK        | 4M  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELEC NYISO OFF-PEAK        | 58  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELECTRICITY ERCOT PEAK     | ERE | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 0      | 0.0% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| ELECTRICITY OFF PEAK       | 46  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |
| ELECTRICITY OFF PEAK       | 4P  | 0      | -      | -    | 0     | -    |       | 0         | -         | -      | 0      | -      | -    | 0      | -     | -      | 0         | -         | -       |
| ELECTRICITY OFF PEAK       | 50  | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 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% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| ELEC WEST POWER PEAK       | MDC | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 0      | 0.0% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| ERCOT DAILY 5MW PEAK       | ERW | -      | 0      | 0.0% | -     | 0    | 0     | -         | 0         | 0.0%   | -      | 0      | 0.0% | -      | 0     | 0.0%   | -         | 0         | 0.0%    |
| ERCOT HOUSTON Z MCPE 5M    | I1  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 1,950     | -100.0% |
| ERCOT NORTH ZMCPE 5MW OF   | I8  | 0      | 0      | 0.0% | 0     | 0    | 0     | 0         | 0         | 0.0%   | 0      | 0      | 0.0% | 0      | 0     | 0.0%   | 0         | 0         | 0.0%    |

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|                | Commodity Indicator        | Open Outcry AUG 2019 | Open Outcry AUG 2018 | % CHG | ELEC AUG 2019 | ELEC AUG 2018 | % CHG | CME ClearPort AUG 2019 | CME ClearPort AUG 2018 | % CHG   | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG | CME ClearPort Y.T.D 2019 | CME ClearPort Y.T.D 2018 | % CHG   |         |
|----------------|----------------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|---------|---------|
| Energy Futures |                            |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |       |                          |                          |         |         |
|                | ERCOT NORTH ZMCPE 5MW OF   | I6                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 19,600                   | -100.0% |         |
|                | ERCOT NORTH ZMCPE 5MW PE   | I5                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 5,050                    | -100.0% |         |
|                | ETHANOL                    | MTH                  | 0                    | -     | -             | 0             | -     | 0                      | -                      | -       | 0                      | -                      | -     | 0               | -               | -     | 40                       | -                        | -       |         |
|                | ETHANOL                    | Z1B                  | 0                    | -     | -             | 0             | -     | 0                      | -                      | -       | 0                      | -                      | -     | 0               | -               | -     | 0                        | -                        | -       |         |
|                | ETHANOL SWAP               | MT2                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 20                     | 20      | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 550                      | 270     | 103.7%  |
|                | ETHANOL T2 FOB ROTT INCL D | Z1                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 2,983                  | 2,833   | 5.3%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 26,461                   | 23,443  | 12.9%   |
|                | EURO 1% FUEL OIL NEW BALM  | KX                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 3                        | 25                       | -88.0%  |         |
|                | EURO 3.5% FUEL OIL RDAM B  | KR                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 11                     | 457     | -97.6%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 302                      | 5,167   | -94.2%  |
|                | EURO 3.5% FUEL OIL SPREAD  | FK                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 125     | -100.0%                | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 147                      | 834     | -82.4%  |
|                | EURO-DENOMINATED PETRO P   | NCP                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 640     | -100.0%                | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 0                        | 640     | -100.0% |
|                | EURO GASOIL 10PPM VS ICE   | ET                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 0                        | 370     | -100.0% |
|                | EUROPE 1% FUEL OIL NWE CA  | UF                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 13                     | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 463                      | 366     | 26.5%   |
|                | EUROPE 1% FUEL OIL RDAM C  | UH                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 0                        | 3       | -100.0% |
|                | EUROPE 3.5% FUEL OIL MED   | UI                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 18                     | 95      | -81.1%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 385                      | 768     | -49.9%  |
|                | EUROPE 3.5% FUEL OIL RDAM  | UV                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 762                    | 4,047   | -81.2%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 8,035                    | 68,381  | -88.2%  |
|                | EUROPEAN GASOIL (ICE)      | 7F                   | 0                    | 0     | 0.0%          | 84            | 334   | -0.75                  | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 816             | 3,651 | -77.6%                   | 0                        | 0       | 0.0%    |
|                | EUROPEAN NAPHTHA BALMO     | KZ                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 8                      | 277     | -97.1%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 1,343                    | 2,289   | -41.3%  |
|                | EUROPEAN NAPHTHA CRACK SF  | EN                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 2,036                  | 8,901   | -77.1%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 34,260                   | 72,491  | -52.7%  |
|                | EUROPE DATED BRENT SWAP    | UB                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 1,633                    | 0       | 0.0%    |
|                | EUROPE JET KERO NWE CALS   | UJ                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 18      | -100.0%                | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 5                        | 39      | -87.2%  |
|                | EUROPE NAPHTHA CALSWAP     | UN                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 509                    | 3,780   | -86.5%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 15,393                   | 27,309  | -43.6%  |
|                | EURO PROPANE CIF ARA SWA   | PS                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 1,671                  | 1,443   | 15.8%                  | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 15,510                   | 13,960  | 11.1%   |
|                | FLORIDA GAS ZONE3 BASIS S  | FP                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0       | 0.0%                   | -                      | 0     | 0.0%            | -               | 0     | 0.0%                     | -                        | 0       | 0.0%    |
|                | FREIGHT MARKETS            | ACB                  | 0                    | -     | -             | 0             | -     |                        | 0                      | -       | 0                      | -                      | -     | 0               | -               | -     | 420                      | -                        | -       |         |
|                | FREIGHT MARKETS            | FLP                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 242                    | 282     | -14.2%                 | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 1,385                    | 1,067   | 29.8%   |
|                | FREIGHT MARKETS            | FRC                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 90                     | 60      | 50.0%                  | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 1,210                    | 600     | 101.7%  |
|                | FREIGHT MARKETS            | FRS                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 70                       | 0       | 0.0%    |
|                | FREIGHT MARKETS            | T2D                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 240                    | 185     | 29.7%                  | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 4,340                    | 2,123   | 104.4%  |
|                | FREIGHT MARKETS            | TC6                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 0                        | 240     | -100.0% |
|                | FREIGHT MARKETS            | TD3                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0       | 0.0%                   | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 140                      | 30      | 366.7%  |
|                | FREIGHT MARKETS            | TD8                  | 0                    | -     | -             | 0             | -     |                        | 0                      | -       | 0                      | -                      | -     | 0               | -               | -     | 60                       | -                        | -       |         |
|                | FREIGHT MARKETS            | USC                  | 0                    | -     | -             | 0             | -     |                        | 100                    | -       | 0                      | -                      | -     | 0               | -               | -     | 160                      | -                        | -       |         |
|                | FUEL OIL CRACK VS ICE      | FO                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 2,843                  | 1,630   | 74.4%                  | 0                      | 0     | 0.0%            | 0               | 0     | 0.0%                     | 14,011                   | 32,077  | -56.3%  |
|                | FUEL OIL NWE CRACK VS ICE  | FI                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 15                       | 171                      | -91.2%  |         |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                           |     | Open   | Open   |      | ELEC  | ELEC  | %    | CME       | CME       | %       | Open   | Open   | %    | ELEC   | ELEC   | %       | CME       | CME       |         |
|---------------------------|-----|--------|--------|------|-------|-------|------|-----------|-----------|---------|--------|--------|------|--------|--------|---------|-----------|-----------|---------|
| Commodity Indicator       |     | Outcry | Outcry | %    | AUG   | AUG   | CHG  | ClearPort | ClearPort | CHG     | Outcry | Outcry | CHG  | Y.T.D  | Y.T.D  | CHG     | ClearPort | ClearPort | %       |
|                           |     | AUG    | AUG    |      | 2019  | 2018  |      | AUG       | AUG       |         | Y.T.D  | Y.T.D  |      | 2019   | 2018   |         | Y.T.D     | Y.T.D     |         |
|                           |     | 2019   | 2018   |      |       |       |      |           |           |         | 2019   | 2018   |      |        |        |         |           |           |         |
| Energy Futures            |     |        |        |      |       |       |      |           |           |         |        |        |      |        |        |         |           |           |         |
| FUEL OIL (PLATS) CAR CM   | 1W  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 6         | 154       | -96.1%  |
| FUEL OIL (PLATS) CAR CN   | 1X  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 0         | 120       | -100.0% |
| FUELOIL SWAP:CARGOES VS.B | FS  | 0      | 0      | 0.0% | 0     | 0     | 0    | 10        | 165       | -93.9%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 1,426     | 1,878     | -24.1%  |
| GAS EURO-BOB OXY NWE BAR  | 7H  | 0      | 0      | 0.0% | 0     | 0     | 0    | 1,622     | 6,480     | -75.0%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 44,459    | 62,148    | -28.5%  |
| GAS EURO-BOB OXY NWE BAR  | 7K  | 0      | 0      | 0.0% | 0     | 0     | 0    | 3,880     | 13,155    | -70.5%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 66,945    | 152,732   | -56.2%  |
| GASOIL 0.1 CIF MED SWAP   | Z4  | -      | 0      | 0.0% | -     | 0     | 0    | -         | 0         | 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    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 0         | 10        | -100.0% |
| GASOIL 0.1 CIF NWE VS ISE | TU  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 10        | 0         | 0.0%    |
| GASOIL 0.1 CIF VS ICE GAS | 8W  | -      | 0      | 0.0% | -     | 0     | 0    | -         | 0         | 0.0%    | -      | 0      | 0.0% | -      | 0      | 0.0%    | -         | 0         | 0.0%    |
| GASOIL 0.1 RDAM BRGS VS I | WQ  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 5         | -100.0% | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 21        | 10        | 110.0%  |
| GASOIL 0.1 ROTTERDAM BARG | VL  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 5         | -100.0% | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 103       | 1,260     | -91.8%  |
| GASOIL 10P CRG CIF NW VS  | 3V  | -      | 0      | 0.0% | -     | 0     | 0    | -         | 0         | 0.0%    | -      | 0      | 0.0% | -      | 0      | 0.0%    | -         | 0         | 0.0%    |
| GASOIL 10PPM VS ICE SWAP  | TP  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 39        | 12        | 225.0%  |
| GASOIL BULLET SWAP        | BG  | -      | 0      | 0.0% | -     | 0     | 0    | -         | 0         | 0.0%    | -      | 0      | 0.0% | -      | 0      | 0.0%    | -         | 0         | 0.0%    |
| GASOIL CALENDAR SWAP      | GX  | 0      | 0      | 0.0% | 0     | 0     | 0    | 39        | 6         | 550.0%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 129       | 54        | 138.9%  |
| GASOIL CRACK SPREAD CALE  | GZ  | 0      | 0      | 0.0% | 0     | 0     | 0    | 120       | 2,832     | -95.8%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 5,114     | 35,552    | -85.6%  |
| GASOIL MINI CALENDAR SWAP | QA  | 0      | 0      | 0.0% | 0     | 0     | 0    | 612       | 172       | 255.8%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 2,310     | 1,442     | 60.2%   |
| GERMAN POWER BASELOAD C   | DEB | 0      | 0      | 0.0% | 1,913 | 915   | 1.09 | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 19,348 | 2,991  | 546.9%  | 0         | 0         | 0.0%    |
| GROUP THREE ULSD (PLATTS) | A7  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 20        | -100.0% | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 0         | 205       | -100.0% |
| GROUP THREE UNLEAD GAS (F | A9  | 0      | 0      | 0.0% | 0     | 0     | 0    | 300       | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 300       | 425       | -29.4%  |
| GRP THREE ULSD(PLT)VS HEA | A6  | 0      | 0      | 0.0% | 0     | 0     | 0    | 3,270     | 2,880     | 13.5%   | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 28,265    | 27,718    | 2.0%    |
| GRP THREE UNL GS (PLT) VS | A8  | 0      | 0      | 0.0% | 0     | 0     | 0    | 1,370     | 1,985     | -31.0%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 21,187    | 15,777    | 34.3%   |
| GULF COAST 3% FUEL OIL BA | VZ  | 0      | 0      | 0.0% | 0     | 0     | 0    | 663       | 981       | -32.4%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 5,601     | 11,466    | -51.2%  |
| GULF COAST JET FUEL CLNDR | GE  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 241       | -100.0% | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 267       | 1,156     | -76.9%  |
| GULF COAST JET VS NYM 2 H | ME  | 0      | 0      | 0.0% | 0     | 0     | 0    | 18,687    | 29,940    | -37.6%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 171,097   | 301,608   | -43.3%  |
| GULF COAST NO.6 FUEL OIL  | MF  | 0      | 0      | 0.0% | 0     | 0     | 0    | 21,075    | 46,376    | -54.6%  | 0      | 0      | 0.0% | 2      | 0      | 0.0%    | 186,535   | 472,377   | -60.5%  |
| GULF COAST NO.6 FUEL OIL  | MG  | 0      | 0      | 0.0% | 0     | 0     | 0    | 80        | 530       | -84.9%  | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 1,573     | 14,873    | -89.4%  |
| GULF COAST ULSD CALENDAR  | LY  | 0      | 0      | 0.0% | 0     | 0     | 0    | 200       | 215       | -7.0%   | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 3,042     | 2,025     | 50.2%   |
| GULF COAST ULSD CRACK SP  | GY  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 0         | 1,295     | -100.0% |
| HEATING OIL BALMO CLNDR S | 1G  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 565       | 223       | 153.4%  |
| HEATING OIL CRCK SPRD BAL | 1H  | 0      | -      | -    | 0     | -     | -    | 0         | -         | -       | 0      | -      | -    | 0      | -      | -       | 18        | -         | -       |
| HEATING OIL PHY           | HOL | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 0         | 0         | 0.0%    |
| HENRY HUB BASIS SWAP      | HB  | 0      | 0      | 0.0% | 0     | 0     | 0    | 0         | 62        | -100.0% | 0      | 0      | 0.0% | 0      | 0      | 0.0%    | 12,426    | 7,494     | 65.8%   |
| HENRY HUB FINANCIAL LAST  | NBP | 0      | 0      | 0.0% | 0     | 4,419 | -1   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0      | 22,465 | -100.0% | 0         | 0         | 0.0%    |

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|                              |     | Open   | Open   |      | ELEC | ELEC | %   | CME       | CME       | %       | Open   | Open   |      | ELEC  | ELEC   | %       | CME       | CME       |         |
|------------------------------|-----|--------|--------|------|------|------|-----|-----------|-----------|---------|--------|--------|------|-------|--------|---------|-----------|-----------|---------|
| Commodity Indicator          |     | Outcry | Outcry | %    | AUG  | AUG  | CHG | ClearPort | ClearPort | CHG     | Outcry | Outcry | %    | Y.T.D | Y.T.D  | CHG     | ClearPort | ClearPort | % CHG   |
|                              |     | AUG    | AUG    |      | 2019 | 2018 |     | AUG       | AUG       |         | Y.T.D  | Y.T.D  |      | 2019  | 2018   |         | Y.T.D     | Y.T.D     |         |
|                              |     | 2019   | 2018   | CHG  |      |      |     | 2019      | 2018      |         | 2019   | 2018   | CHG  |       |        |         | 2019      | 2018      | % CHG   |
| Energy Futures               |     |        |        |      |      |      |     |           |           |         |        |        |      |       |        |         |           |           |         |
| HENRY HUB FINANCIAL LAST     | TTE | 0      | 0      | 0.0% | 0    | 78   | -1  | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 855    | -100.0% | 0         | 0         | 0.0%    |
| HENRY HUB INDEX SWAP FUTL    | IN  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 62        | -100.0% | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 12,426    | 7,494     | 65.8%   |
| HENRY HUB SWAP               | NN  | 0      | 0      | 0.0% | 0    | 244  | -1  | 35,392    | 194,737   | -81.8%  | 0      | 0      | 0.0% | 122   | 54,879 | -99.8%  | 814,556   | 1,352,177 | -39.8%  |
| HOUSTON SHIP CHANNEL BASI    | NH  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 736       | 0         | 0.0%    |
| HUSTN SHIP CHNL PIPE SWP     | XJ  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| ICE BRENT DUBAI SWAP         | DB  | 0      | 0      | 0.0% | 0    | 0    | 0   | 2,030     | 11,453    | -82.3%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 41,144    | 82,951    | -50.4%  |
| ICE GASOIL BALMO SWAP        | U9  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| IN DELIVERY MONTH EUA        | 6T  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 0         | 0.0%    |
| INDIANA MISO                 | FAD | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 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% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| INDIANA MISO                 | PDD | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 0         | 0.0%    |
| INDIANA MISO                 | PTD | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 0         | 0.0%    |
| INDONESIAN COAL              | MCC | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| INDONESIAN COAL ICI4         | ICI | 0      | 0      | 0.0% | 0    | 0    | 0   | 205       | 210       | -2.4%   | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 2,965     | 985       | 201.0%  |
| ISO NEW ENGLAND OFF-PEAK     | KI  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 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         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 0         | 0.0%    |
| JAPAN C&F NAPHTHA CRACK S    | JB  | 0      | 0      | 0.0% | 0    | 0    | 0   | 27        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 196       | 1,689     | -88.4%  |
| JAPAN C&F NAPHTHA SWAP       | JA  | 0      | 0      | 0.0% | 0    | 0    | 0   | 469       | 1,496     | -68.6%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 9,152     | 16,489    | -44.5%  |
| JAPAN NAPHTHA BALMO SWAP     | E6  | 0      | 0      | 0.0% | 0    | 0    | 0   | 39        | 97        | -59.8%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 328       | 498       | -34.1%  |
| JET AV FUEL (P) CAR FM ICE G | 1V  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 5         | -100.0% |
| JET CIF NWE VS ICE           | JC  | 0      | 0      | 0.0% | 0    | 0    | 0   | 30        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 100       | 630       | -84.1%  |
| JET FUEL BRG FOB RDM VS I    | 9Q  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| JET FUEL CRG CIF NEW VS I    | 6X  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| JET FUEL UP-DOWN BALMO CL    | 1M  | 0      | 0      | 0.0% | 0    | 0    | 0   | 2,775     | 5,500     | -49.5%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 34,088    | 47,757    | -28.6%  |
| JKM LNG Futures              | JKM | 0      | 0      | 0.0% | 0    | 0    | 0   | 1,535     | 2,208     | -30.5%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 12,511    | 9,218     | 35.7%   |
| LA CARB DIESEL (OPIS)        | LX  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| LA CARB DIESEL (OPIS) SWA    | KL  | 0      | 0      | 0.0% | 0    | 0    | 0   | 50        | 105       | -52.4%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 375       | 2,630     | -85.7%  |
| LA CARBOB GASOLINE(OPIS)S    | JL  | 0      | 0      | 0.0% | 0    | 0    | 0   | 175       | 75        | 133.3%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 2,850     | 4,150     | -31.3%  |
| LA JET FUEL VS NYM NO 2 H    | MQ  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0      | 0.0%    | -         | 0         | 0.0%    |
| LA JET (OPIS) SWAP           | JS  | 0      | 0      | 0.0% | 0    | 0    | 0   | 1,179     | 1,388     | -15.1%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 10,484    | 17,643    | -40.6%  |
| LLS (ARGUS) CALENDAR SWAP    | XA  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 607       | -100.0% | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 0         | 607       | -100.0% |
| LLS (ARGUS) VS WTI SWAP      | WJ  | 0      | 0      | 0.0% | 0    | 0    | 0   | 60        | 2,292     | -97.4%  | 0      | 0      | 0.0% | 0     | 0      | 0.0%    | 16,599    | 46,712    | -64.5%  |
| LOS ANGELES CARB GASOLIN     | MH  | 0      | -      | -    | 0    | -    |     | 0         | -         | -       | 0      | -      | -    | 0     | -      | -       | 10        | -         | -       |

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|                            |     | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | %<br>CHG |
|----------------------------|-----|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Futures             |     |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |
| MARS (ARGUS) VS WTI SWAP   | YX  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 810                          | 500                          | 62.0%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 13,630                            | 19,200                            | -29.0%   |
| MARS (ARGUS) VS WTI TRD M  | YV  | 0                             | 0                             | 0.0%     | 0                   | 375                 | -1       | 17,370                       | 9,536                        | 82.2%    | 0                               | 0                               | 0.0%     | 480                   | 375                   | 28.0%    | 148,474                           | 181,171                           | -18.0%   |
| MARS BLEND CRUDE OIL       | MB  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 2,319                             | -100.0%  |
| MCCLOSKY ARA ARGS COAL     | MTF | 0                             | 0                             | 0.0%     | 192                 | 5                   | 37.4     | 25,111                       | 19,035                       | 31.9%    | 0                               | 0                               | 0.0%     | 4,491                 | 719                   | 524.6%   | 231,366                           | 192,349                           | 20.3%    |
| MCCLOSKY RCH BAY COAL      | MFF | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 1,375                        | 2,606                        | -47.2%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 18,639                            | 26,483                            | -29.6%   |
| MGF FUT                    | MGF | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 88                           | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 218                               | -100.0%  |
| MGN1 SWAP FUT              | MGN | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 130                          | 40                           | 225.0%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 490                               | 573                               | -14.5%   |
| MICHIGAN BASIS             | NF  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| MICHIGAN MISO              | HMO | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| MICHIGAN MISO              | HMW | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| MINI GAS EUROBOB OXY NWE   | MEB | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 532                          | 265                          | 100.8%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,876                             | 2,951                             | -36.4%   |
| MINI RBOB V. EBOBARG NWE B | MXR | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 375                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 3,500                             | 3,035                             | 15.3%    |
| MINI RBOB V. EBOB(ARGUS) N | MXB | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 639                          | 2,108                        | -69.7%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 17,521                            | 13,567                            | 29.1%    |
| MJC FUT                    | MJC | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 80                           | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 150                               | 1,325                             | -88.7%   |
| MNC FUT                    | MNC | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 2,840                        | 4,712                        | -39.7%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 31,473                            | 30,929                            | 1.8%     |
| MONT BELVIEU ETHANE 5 DECI | C0  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 19,218                       | 19,570                       | -1.8%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 124,498                           | 125,059                           | -0.4%    |
| MONT BELVIEU ETHANE OPIS E | 8C  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 60                           | 130                          | -53.8%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,279                             | 1,290                             | -0.9%    |
| MONT BELVIEU LDH PROPANE   | B0  | 0                             | 0                             | 0.0%     | 37                  | 34                  | 0.09     | 157,424                      | 111,783                      | 40.8%    | 0                               | 0                               | 0.0%     | 112                   | 170                   | -34.1%   | 1,169,820                         | 963,867                           | 21.4%    |
| MONT BELVIEU LDH PROPANE   | 8O  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 2,746                        | 987                          | 178.2%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 24,817                            | 21,613                            | 14.8%    |
| MONT BELVIEU NATURAL GAS   | 7Q  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 6,184                        | 5,130                        | 20.5%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 63,019                            | 63,933                            | -1.4%    |
| MONT BELVIEU NATURAL GAS   | R0  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 405                          | 382                          | 6.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 5,129                             | 3,226                             | 59.0%    |
| MONT BELVIEU NORMAL BUTA   | D0  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 52,185                       | 46,652                       | 11.9%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 366,196                           | 272,449                           | 34.4%    |
| MONT BELVIEU NORMAL BUTA   | 8J  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 1,533                        | 1,105                        | 38.7%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 10,677                            | 8,601                             | 24.1%    |
| NAT GAS BASIS SWAP         | TZ6 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| NATURAL GAS                | XIC | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| NATURAL GAS FIXED PRICE S  | DSF | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
| NATURAL GAS INDEX          | TZI | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
| NATURAL GAS PEN SWP        | NP  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 23,866                       | 30,236                       | -21.1%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 226,464                           | 279,942                           | -19.1%   |
| NEPOOL CNCTCT 5MW D AH O   | P3  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| NEPOOL CONECTIC 5MW D AH   | P2  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
| NEPOOL INTR HUB 5MW D AH   | H2  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 55,040                       | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 71,600                            | 79,520                            | -10.0%   |
| NEPOOL INTR HUB 5MW D AH   | U6  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 4,376                             | -100.0%  |
| NEPOOL NE MASS 5MW D AH O  | P8  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 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%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                           |     | Open   | Open   |      | ELEC | ELEC | %     | CME       | CME       | %       | Open   | Open   | %    | ELEC  | ELEC  | %      | CME       | CME       |         |
|---------------------------|-----|--------|--------|------|------|------|-------|-----------|-----------|---------|--------|--------|------|-------|-------|--------|-----------|-----------|---------|
| Commodity Indicator       |     | Outcry | Outcry | %    | AUG  | AUG  | CHG   | ClearPort | ClearPort | CHG     | Outcry | Outcry | CHG  | Y.T.D | Y.T.D | CHG    | ClearPort | ClearPort | %       |
|                           |     | AUG    | AUG    |      | 2019 | 2018 |       | AUG 2019  | AUG 2018  |         | Y.T.D  | Y.T.D  |      | 2019  | 2018  |        | Y.T.D     | Y.T.D     |         |
|                           |     | 2019   | 2018   |      |      |      |       |           |           |         | 2019   | 2018   |      |       |       |        |           |           |         |
| Energy Futures            |     |        |        |      |      |      |       |           |           |         |        |        |      |       |       |        |           |           |         |
| NEPOOL RHD ISLD 5MW D AH  | U4  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| NEPOOL W CNT MASS 5MW D A | L9  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 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%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| NEW YORK ETHANOL SWAP     | EZ  | 0      | 0      | 0.0% | 0    | 0    | 0     | 272       | 1,030     | -73.6%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 5,721     | 10,666    | -46.4%  |
| NEW YORK HUB ZONE G PEAK  | GN  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| NGPL MID-CONTINENT        | NL  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 1,240     | 400       | 210.0%  |
| NGPL TEX/OK               | PD  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 2,576     | 22,836    | -88.7%  |
| N ILLINOIS HUB DAILY      | UD  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 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%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| NO 2 UP-DOWN SPREAD CALE  | UT  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 400       | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 675       | 2,558     | -73.6%  |
| NORTHEN NATURAL GAS DEM   | PE  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 0         | 0.0%    |
| NORTHEN NATURAL GAS VENT  | PF  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 100       | -100.0% |
| NORTHERN ILLINOIS OFF-PEA | UO  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| NORTHWEST ROCKIES BASIS S | NR  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 3,106     | 0         | 0.0%    |
| N ROCKIES PIPE SWAP       | XR  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 59        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 59        | -100.0% |
| NY1% VS GC SPREAD SWAP    | VR  | 0      | 0      | 0.0% | 0    | 0    | 0     | 704       | 375       | 87.7%   | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 3,847     | 12,933    | -70.3%  |
| NY 2.2% FUEL OIL (PLATTS  | Y3  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| NY 3.0% FUEL OIL (PLATTS  | H1  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 450       | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 775       | 1,650     | -53.0%  |
| NY HARBOR 1% FUEL OIL BAL | VK  | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 50        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 25        | 50        | -50.0%  |
| NY HARBOR HEAT OIL SWP    | MP  | 0      | 0      | 0.0% | 6    | 9    | -0.33 | 1,679     | 5,605     | -70.0%  | 0      | 0      | 0.0% | 14    | 67    | -79.1% | 17,150    | 15,962    | 7.4%    |
| NY HARBOR LOW SULPUR GAS  | NLS | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 150       | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 390       | 2,845     | -86.3%  |
| NY HARBOR RESIDUAL FUEL 1 | MM  | 0      | 0      | 0.0% | 0    | 0    | 0     | 713       | 989       | -27.9%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 6,198     | 9,164     | -32.4%  |
| NY HARBOR RESIDUAL FUEL C | ML  | 0      | -      | -    | 0    | -    |       | 0         | -         | -       | 0      | -      | -    | 0     | -     | -      | 0         | -         | -       |
| NYH NO 2 CRACK SPREAD CAL | HK  | 0      | 0      | 0.0% | 0    | 0    | 0     | 390       | 90        | 333.3%  | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 2,625     | 7,397     | -64.5%  |
| NYISO A                   | KA  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 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% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |
| NYISO CAPACITY            | LHV | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 240       | 246       | -2.4%   |
| NYISO CAPACITY            | NNC | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 150       | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 0         | 615       | -100.0% |
| NYISO CAPACITY            | NRS | 0      | 0      | 0.0% | 0    | 0    | 0     | 0         | 60        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0%   | 60        | 275       | -78.2%  |
| NYISO G                   | KG  | -      | 0      | 0.0% | -    | 0    | 0     | -         | 0         | 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% | -     | 0     | 0.0%   | -         | 0         | 0.0%    |

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## NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                | Commodity<br>Indicator | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | %<br>CHG |
|----------------|------------------------|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Futures |                        |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |
|                | KJ                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | KK                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | K4                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | K3                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | A3                     | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
|                | Q5                     | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
|                | D2                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 55,040                       | 22,320                       | 146.6%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 101,424                           | 600,854                           | -83.1%   |
|                | T3                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 8,174                             | 18,284                            | -55.3%   |
|                | D4                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | D3                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | AN                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | UY                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,450                             | 0                                 | 0.0%     |
|                | 7Y                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 100                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,595                             | 213                               | 648.8%   |
|                | 8X                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 1,464                        | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 1,464                             | -100.0%  |
|                | OFD                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | OFM                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
|                | OPD                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 25                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 25                                | 10                                | 150.0%   |
|                | OPM                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 100                               | 0                                 | 0.0%     |
|                | PH                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 275                               | -100.0%  |
|                | XH                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | PM                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%     |
|                | 22                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 161                          | 190                          | -15.3%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,327                             | 1,306                             | 1.6%     |
|                | 32                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 67                           | 179                          | -62.6%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 858                               | 1,354                             | -36.6%   |
|                | 3NA                    | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 49                                | -                                 | -        |
|                | 51                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 77                                | 23                                | 234.8%   |
|                | 8I                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 845                          | 44                           | 1,820.5% | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 4,882                             | 5,684                             | -14.1%   |
|                | 91                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 531                          | 243                          | 118.5%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 3,738                             | 3,187                             | 17.3%    |
|                | HPE                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
|                | MAA                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 280                               | 50                                | 460.0%   |
|                | MAC                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
|                | MAE                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 622                          | 114                          | 445.6%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 2,961                             | 1,492                             | 98.5%    |
|                | MAS                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 296                          | 385                          | -23.1%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,782                             | 1,146                             | 55.5%    |
|                | MBE                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 320                          | 990                          | -67.7%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 2,715                             | 6,690                             | -59.4%   |
|                | MNB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 118                          | 1,039                        | -88.6%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 5,711                             | 16,319                            | -65.0%   |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

|                          |     | Open   | Open   |      | ELEC | ELEC |     | CME       | CME       |         | Open   | Open   |      | ELEC  | ELEC  |      | CME       | CME       |         |
|--------------------------|-----|--------|--------|------|------|------|-----|-----------|-----------|---------|--------|--------|------|-------|-------|------|-----------|-----------|---------|
| Commodity Indicator      |     | Outcry | Outcry | %    | AUG  | AUG  | %   | ClearPort | ClearPort | %       | Outcry | Outcry | %    | Y.T.D | Y.T.D | %    | ClearPort | ClearPort | %       |
|                          |     | AUG    | AUG    | CHG  | 2019 | 2018 | CHG | AUG 2019  | AUG 2018  | CHG     | Y.T.D  | Y.T.D  | CHG  | 2019  | 2018  | CHG  | Y.T.D     | Y.T.D     | % CHG   |
| Energy Futures           |     |        |        |      |      |      |     |           |           |         |        |        |      |       |       |      |           |           |         |
| PETROCHEMICALS           | MPS | 0      | 0      | 0.0% | 0    | 0    | 0   | 175       | 120       | 45.8%   | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 1,758     | 890       | 97.5%   |
| PETRO CRCKS & SPRDS ASIA | JNC | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 0         | 0.0%    |
| PETRO CRCKS & SPRDS ASIA | STI | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 50        | 0         | 0.0%    |
| PETRO CRCKS & SPRDS ASIA | STR | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 100       | -100.0% |
| PETRO CRCKS & SPRDS ASIA | STS | 0      | 0      | 0.0% | 0    | 0    | 0   | 50        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 282       | 509       | -44.6%  |
| PETRO CRCKS & SPRDS NA   | CRB | 0      | 0      | 0.0% | 0    | 0    | 0   | 8,761     | 2,785     | 214.6%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 55,426    | 12,005    | 361.7%  |
| PETRO CRCKS & SPRDS NA   | EXR | 0      | 0      | 0.0% | 0    | 0    | 0   | 1,261     | 2,140     | -41.1%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 21,442    | 22,870    | -6.2%   |
| PETRO CRCKS & SPRDS NA   | FOC | 0      | 0      | 0.0% | 0    | 0    | 0   | 150       | 200       | -25.0%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 3,370     | 5,575     | -39.6%  |
| PETRO CRCKS & SPRDS NA   | GBB | 0      | 0      | 0.0% | 0    | 0    | 0   | 250       | 1,600     | -84.4%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 5,218     | 10,335    | -49.5%  |
| PETRO CRCKS & SPRDS NA   | GCC | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 1,740     | -100.0% |
| PETRO CRCKS & SPRDS NA   | GCI | 0      | 0      | 0.0% | 0    | 0    | 0   | 1,064     | 2,183     | -51.3%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 10,759    | 12,547    | -14.3%  |
| PETRO CRCKS & SPRDS NA   | GCM | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 21        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 163       | -100.0% |
| PETRO CRCKS & SPRDS NA   | GCU | 0      | 0      | 0.0% | 0    | 0    | 0   | 2,919     | 14,880    | -80.4%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 26,682    | 108,664   | -75.4%  |
| PETRO CRCKS & SPRDS NA   | GFC | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 100       | 40        | 150.0%  |
| PETRO CRCKS & SPRDS NA   | HOB | 0      | 0      | 0.0% | 0    | 0    | 0   | 5,820     | 1,092     | 433.0%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 14,462    | 8,033     | 80.0%   |
| PETRO CRCKS & SPRDS NA   | KSD | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%    |
| PETRO CRCKS & SPRDS NA   | MFR | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 4         | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 4         | -100.0% |
| PETRO CRCKS & SPRDS NA   | NFG | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 50        | -100.0% |
| PETRO CRCKS & SPRDS NA   | NYF | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 75        | 0         | 0.0%    |
| PETRO CRCKS & SPRDS NA   | NYH | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%    |
| PETRO CRCKS & SPRDS NA   | RBB | 0      | 0      | 0.0% | 0    | 0    | 0   | 2,278     | 4,844     | -53.0%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 59,822    | 43,263    | 38.3%   |
| PETRO CRCKS & SPRDS NA   | RVG | 0      | 0      | 0.0% | 0    | 0    | 0   | 8,580     | 9,196     | -6.7%   | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 110,698   | 133,093   | -16.8%  |
| PETRO CRCKS & SPRDS NA   | SF3 | 0      | 0      | 0.0% | 0    | 0    | 0   | 190       | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 884       | 321       | 175.4%  |
| PETRO CRK&SPRD EURO      | 1NB | 0      | 0      | 0.0% | 0    | 0    | 0   | 140       | 2,313     | -93.9%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 9,573     | 15,811    | -39.5%  |
| PETRO CRK&SPRD EURO      | 1ND | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 100       | -100.0% |
| PETRO CRK&SPRD EURO      | 43  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 211       | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 155       | 2,979     | -94.8%  |
| PETRO CRK&SPRD EURO      | BFR | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 60        | 0         | 0.0%    |
| PETRO CRK&SPRD EURO      | BOB | 0      | 0      | 0.0% | 0    | 0    | 0   | 935       | 1,412     | -33.8%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 4,042     | 14,732    | -72.6%  |
| PETRO CRK&SPRD EURO      | EGB | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%    |
| PETRO CRK&SPRD EURO      | EGN | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%    |
| PETRO CRK&SPRD EURO      | EOB | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 23        | 188       | -87.8%  |
| PETRO CRK&SPRD EURO      | EPN | 0      | 0      | 0.0% | 0    | 0    | 0   | 720       | 664       | 8.4%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 4,863     | 7,340     | -33.7%  |
| PETRO CRK&SPRD EURO      | EVC | 0      | 0      | 0.0% | 0    | 0    | 0   | 578       | 1,210     | -52.2%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 3,642     | 17,671    | -79.4%  |
| PETRO CRK&SPRD EURO      | FBT | 0      | -      | -    | 0    | -    |     | 0         | -         | -       | 0      | -      | -    | 0     | -     | -    | 60        | -         | -       |

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### NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                         |     | Open   | Open   |      | ELEC | ELEC | %   | CME       | CME       | %       | Open   | Open   | %    | ELEC  | ELEC  | %    | CME       | CME       |          |
|-------------------------|-----|--------|--------|------|------|------|-----|-----------|-----------|---------|--------|--------|------|-------|-------|------|-----------|-----------|----------|
| Commodity Indicator     |     | Outcry | Outcry | %    | AUG  | AUG  | CHG | ClearPort | ClearPort | CHG     | Outcry | Outcry | CHG  | Y.T.D | Y.T.D | CHG  | ClearPort | ClearPort | %        |
|                         |     | AUG    | AUG    |      | 2019 | 2018 |     | AUG       | AUG       |         | Y.T.D  | Y.T.D  |      | 2019  | 2018  |      | Y.T.D     | Y.T.D     |          |
|                         |     | 2019   | 2018   |      |      |      |     |           |           |         | 2019   | 2018   |      |       |       |      |           |           |          |
| Energy Futures          |     |        |        |      |      |      |     |           |           |         |        |        |      |       |       |      |           |           |          |
| PETRO CRK&SPRD EURO     | FVB | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 30        | -100.0%  |
| PETRO CRK&SPRD EURO     | GCB | 0      | 0      | 0.0% | 0    | 0    | 0   | 100       | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 517       | 680       | -24.0%   |
| PETRO CRK&SPRD EURO     | GOC | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 84        | -100.0%  |
| PETRO CRK&SPRD EURO     | MGB | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 120       | 80        | 50.0%    |
| PETRO CRK&SPRD EURO     | MUD | 0      | 0      | 0.0% | 0    | 0    | 0   | 30        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 110       | 163       | -32.5%   |
| PETRO CRK&SPRD EURO     | NBB | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 20        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 58        | 152       | -61.8%   |
| PETRO CRK&SPRD EURO     | NOB | 0      | 0      | 0.0% | 0    | 0    | 0   | 115       | 1,899     | -93.9%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 3,295     | 13,444    | -75.5%   |
| PETRO CRK&SPRD EURO     | SFB | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 51        | 125       | -59.2%   |
| PETROLEUM PRODUCTS      | 1NM | 0      | -      | -    | 0    | -    |     | 65        | -         | -       | 0      | -      | -    | 0     | -     | -    | 708       | -         | -        |
| PETROLEUM PRODUCTS      | EWB | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%     |
| PETROLEUM PRODUCTS      | EWG | 0      | 0      | 0.0% | 0    | 0    | 0   | 575       | 4,635     | -87.6%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 20,005    | 35,953    | -44.4%   |
| PETROLEUM PRODUCTS      | JCC | 0      | -      | -    | 0    | -    |     | 0         | -         | -       | 0      | -      | -    | 0     | -     | -    | 20        | -         | -        |
| PETROLEUM PRODUCTS      | MBS | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%     |
| PETROLEUM PRODUCTS      | MGS | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%     |
| PETROLEUM PRODUCTS      | MME | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 30        | -100.0%  |
| PETROLEUM PRODUCTS      | MPE | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 0         | 0.0%     |
| PETROLEUM PRODUCTS      | R5F | 0      | -      | -    | 0    | -    |     | 0         | -         | -       | 0      | -      | -    | 0     | -     | -    | 9         | -         | -        |
| PETROLEUM PRODUCTS      | S53 | 0      | -      | -    | 0    | -    |     | 27        | -         | -       | 0      | -      | -    | 0     | -     | -    | 27        | -         | -        |
| PETROLEUM PRODUCTS      | VU  | 0      | 0      | 0.0% | 0    | 0    | 0   | 142       | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 377       | 1,044     | -63.9%   |
| PETROLEUM PRODUCTS ASIA | E6M | 0      | 0      | 0.0% | 0    | 0    | 0   | 60        | 70        | -14.3%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 128       | 634       | -79.8%   |
| PETROLEUM PRODUCTS ASIA | MJN | 0      | 0      | 0.0% | 0    | 0    | 0   | 900       | 1,545     | -41.7%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 12,646    | 15,434    | -18.1%   |
| PETROLEUM PRODUCTS ASIA | MSB | 0      | 0      | 0.0% | 0    | 0    | 0   | 20        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 20        | 0         | 0.0%     |
| PETRO OUTRIGHT EURO     | 0B  | 0      | 0      | 0.0% | 0    | 0    | 0   | 73        | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 241       | 84        | 186.9%   |
| PETRO OUTRIGHT EURO     | 0C  | 0      | 0      | 0.0% | 0    | 0    | 0   | 30        | 3         | 900.0%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 45        | 3         | 1,400.0% |
| PETRO OUTRIGHT EURO     | 0D  | 0      | 0      | 0.0% | 0    | 0    | 0   | 1,180     | 1,026     | 15.0%   | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 11,132    | 10,771    | 3.4%     |
| PETRO OUTRIGHT EURO     | 0E  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 3         | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 76        | 198       | -61.6%   |
| PETRO OUTRIGHT EURO     | 0F  | 0      | 0      | 0.0% | 0    | 0    | 0   | 448       | 476       | -5.9%   | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 3,130     | 4,565     | -31.4%   |
| PETRO OUTRIGHT EURO     | 1T  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 18        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 5         | 39        | -87.2%   |
| PETRO OUTRIGHT EURO     | 33  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 0         | 0         | 0.0%     |
| PETRO OUTRIGHT EURO     | 5L  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 10        | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 203       | 224       | -9.4%    |
| PETRO OUTRIGHT EURO     | 63  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 5         | -100.0% | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 15        | 172       | -91.3%   |
| PETRO OUTRIGHT EURO     | 6L  | -      | 0      | 0.0% | -    | 0    | 0   | -         | 0         | 0.0%    | -      | 0      | 0.0% | -     | 0     | 0.0% | -         | 0         | 0.0%     |
| PETRO OUTRIGHT EURO     | 7I  | 0      | 0      | 0.0% | 0    | 0    | 0   | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 644       | 582       | 10.7%    |
| PETRO OUTRIGHT EURO     | 7R  | 0      | 0      | 0.0% | 0    | 0    | 0   | 72        | 393       | -81.7%  | 0      | 0      | 0.0% | 0     | 0     | 0.0% | 1,197     | 2,535     | -52.8%   |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

|                     | Commodity<br>Indicator | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | % CHG     |
|---------------------|------------------------|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|-----------|
| Energy Futures      |                        |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |           |
| PETRO OUTRIGHT EURO | 88                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 25                                | 105                               | -76.2%    |
| PETRO OUTRIGHT EURO | CBB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 15                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 15                                | 55                                | -72.7%    |
| PETRO OUTRIGHT EURO | CGB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 20                                | 0                                 | 0.0%      |
| PETRO OUTRIGHT EURO | CPB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 70                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 1,847                             | 3,009                             | -38.6%    |
| PETRO OUTRIGHT EURO | EFF                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 56                           | 15                           | 273.3%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 172                               | 116                               | 48.3%     |
| PETRO OUTRIGHT EURO | EFM                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 31                                | 0                                 | 0.0%      |
| PETRO OUTRIGHT EURO | ENS                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 15                           | 40                           | -62.5%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 146                               | 105                               | 39.0%     |
| PETRO OUTRIGHT EURO | ESB                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%      |
| PETRO OUTRIGHT EURO | EWN                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 118                          | 765                          | -84.6%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 3,945                             | 5,612                             | -29.7%    |
| PETRO OUTRIGHT EURO | FBD                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%      |
| PETRO OUTRIGHT EURO | FLB                    | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 6                                 | -                                 | -         |
| PETRO OUTRIGHT EURO | GES                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 5                            | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 5                                 | -100.0%   |
| PETRO OUTRIGHT EURO | H5G                    | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 120                               | -                                 | -         |
| PETRO OUTRIGHT EURO | MBB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 171                               | -100.0%   |
| PETRO OUTRIGHT EURO | MBN                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 540                          | 409                          | 32.0%    | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 2,842                             | 8,378                             | -66.1%    |
| PETRO OUTRIGHT EURO | MEF                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 285                          | 15                           | 1,800.0% | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 2,683                             | 15                                | 17,786.7% |
| PETRO OUTRIGHT EURO | R53                    | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 54                                | -                                 | -         |
| PETRO OUTRIGHT EURO | R5M                    | 0                             | -                             | -        | 0                   | -                   |          | 321                          | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 835                               | -                                 | -         |
| PETRO OUTRIGHT EURO | R5O                    | 0                             | -                             | -        | 0                   | -                   |          | 116                          | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 252                               | -                                 | -         |
| PETRO OUTRIGHT EURO | S5F                    | 0                             | -                             | -        | 0                   | -                   |          | 23                           | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 23                                | -                                 | -         |
| PETRO OUTRIGHT EURO | S5M                    | 0                             | -                             | -        | 0                   | -                   |          | 380                          | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 610                               | -                                 | -         |
| PETRO OUTRIGHT EURO | S5O                    | 0                             | -                             | -        | 0                   | -                   |          | 6                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 6                                 | -                                 | -         |
| PETRO OUTRIGHT EURO | SMU                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 150                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 625                               | 478                               | 30.8%     |
| PETRO OUTRIGHT EURO | T0                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 9                                 | -100.0%   |
| PETRO OUTRIGHT EURO | T2B                    | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 15                                | -                                 | -         |
| PETRO OUTRIGHT EURO | TMB                    | 0                             | -                             | -        | 0                   | -                   |          | 50                           | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 50                                | -                                 | -         |
| PETRO OUTRIGHT EURO | ULB                    | -                             | 0                             | 0.0%     | -                   | 0                   | 0        | -                            | 0                            | 0.0%     | -                               | 0                               | 0.0%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%      |
| PETRO OUTRIGHT EURO | V0                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 980                               | -100.0%   |
| PETRO OUTRIGHT EURO | X0                     | 0                             | -                             | -        | 0                   | -                   |          | 0                            | -                            | -        | 0                               | -                               | -        | 0                     | -                     | -        | 0                                 | -                                 | -         |
| PETRO OUTRIGHT NA   | FCB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 32                           | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 426                               | 592                               | -28.0%    |
| PETRO OUTRIGHT NA   | FOM                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 0                                 | 0.0%      |
| PETRO OUTRIGHT NA   | JE                     | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 60                                | 69                                | -13.0%    |
| PETRO OUTRIGHT NA   | JET                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 1,575                        | 6,340                        | -75.2%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 19,655                            | 21,220                            | -7.4%     |
| PETRO OUTRIGHT NA   | JTB                    | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 475                          | 150                          | 216.7%   | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 5,750                             | 3,860                             | 49.0%     |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

| Commodity Indicator       |     | Open Outcry AUG 2019 | Open Outcry AUG 2018 | % CHG | ELEC AUG 2019 | ELEC AUG 2018 | % CHG | CME ClearPort AUG 2019 | CME ClearPort AUG 2018 | % CHG   | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG | CME ClearPort Y.T.D 2019 | CME ClearPort Y.T.D 2018 | % CHG   |
|---------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|---------|
| <b>Energy Futures</b>     |     |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |       |                          |                          |         |
| PETRO OUTRIGHT NA         | MBL | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 40                       | -100.0% |
| PETRO OUTRIGHT NA         | MEN | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 10                     | 635                    | -98.4%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 1,326                    | 3,568                    | -62.8%  |
| PETRO OUTRIGHT NA         | MEO | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 1,119                  | 2,609                  | -57.1%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 20,052                   | 30,169                   | -33.5%  |
| PETRO OUTRIGHT NA         | MFD | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 295                      | 100                      | 195.0%  |
| PETRO OUTRIGHT NA         | MMF | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 83                     | 19                     | 336.8%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 755                      | 74                       | 920.3%  |
| PETRO OUTRIGHT NA         | NYT | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%  | -                        | 0                        | 0.0%    |
| PETRO OUTRIGHT NA         | XER | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 300                    | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 300                      | -100.0% |
| PJM AD HUB 5MW REAL TIME  | V3  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 117,180                  | 28,032                   | 318.0%  |
| PJM AD HUB 5MW REAL TIME  | Z9  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 2,560                    | 12,653                   | -79.8%  |
| PJM AECO DA OFF-PEAK      | X1  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 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%  | -               | 0               | 0.0%  | -                        | 0                        | 0.0%    |
| PJM APS ZONE DA OFF-PEAK  | W4  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 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%  | -               | 0               | 0.0%  | -                        | 0                        | 0.0%    |
| PJM ATSI ELEC             | MOD | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM ATSI ELEC             | MPD | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM BGE DA OFF-PEAK       | R3  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 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%    | 0                      | 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                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM COMED 5MW D AH PK     | D8  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM DAILY                 | JD  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 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                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM DAYTON DA PEAK        | D7  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM JCPL DA OFF-PEAK      | F2  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 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%  | -               | 0               | 0.0%  | -                        | 0                        | 0.0%    |
| PJM NI HUB 5MW REAL TIME  | B3  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 2,560                  | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 3,845                    | 5,100                    | -24.6%  |
| PJM NI HUB 5MW REAL TIME  | B6  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 46,640                 | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 70,000                   | 0                        | 0.0%    |
| PJM NILL DA OFF-PEAK      | L3  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM NILL DA PEAK          | N3  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 22                       | -100.0% |
| PJM OFF-PEAK LMP SWAP FUT | JP  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 0                        | 0.0%    |
| PJM PECO ZONE5MW PEAK CA  | 4N  | 0                    | -                    | -     | 0             | -             | 0     | 0                      | -                      | -       | 0                      | -                      | -     | 0               | -               | -     | 0                        | -                        | -       |
| PJM PPL DA OFF-PEAK       | F5  | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 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%  | -               | 0               | 0.0%  | -                        | 0                        | 0.0%    |
| PJM PSEG DA OFF-PEAK      | W6  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 23,400                 | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 23,400                   | -100.0% |
| PJM PSEG DA PEAK          | L6  | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 1,275                  | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%  | 0                        | 1,275                    | -100.0% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                | Commodity<br>Indicator     | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | %<br>CHG |            |
|----------------|----------------------------|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|------------|
| Energy Futures |                            |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |            |
|                | PJM WESTH DA OFF-PEAK      | E4                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 23,400                       | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 101,810                           | -100.0%  |            |
|                | PJM WESTHDA PEAK           | J4                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 1,275                        | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 5,525                             | -100.0%  |            |
|                | PJM WESTH RT OFF-PEAK      | N9                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 47,100                            | 294,000                           | -84.0%   |            |
|                | PJM WESTH RT PEAK          | L1                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 2,791                        | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 47,090                            | 45,970                            | 2.4%     |            |
|                | PLASTICS                   | PGP                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 540                          | 471      | 14.6%                           | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 5,720                             | 3,015    | 89.7%      |
|                | PREMIUM UNLD 10P FOB MED   | 3G                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 32                           | 174      | -81.6%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 805                               | 2,033    | -60.4%     |
|                | PREMIUM UNLEAD 10PPM FOB   | 8G                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 32                           | 48       | -33.3%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 65                                | 403      | -83.9%     |
|                | PREM UNL GAS 10PPM RDAM F  | 7N                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 20                                | 80       | -75.0%     |
|                | PREM UNL GAS 10PPM RDAM F  | 7L                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 116      | -100.0%                         | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 30                                | 186      | -83.9%     |
|                | PROPANE NON-LDH MB (OPIS)  | 1S                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 985                          | 707      | 39.3%                           | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 12,059                            | 4,398    | 174.2%     |
|                | PROPANE NON-LDH MT. BEL (O | 1R                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 11,081                       | 12,617   | -12.2%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 145,845                           | 93,749   | 55.6%      |
|                | RBOB CALENDAR SWAP         | RL                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 3,707                        | 6,092    | -39.1%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 47,876                            | 46,084   | 3.9%       |
|                | RBOB CRACK SPREAD          | RM                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 150                          | 60       | 150.0%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 8,875                             | 9,213    | -3.7%      |
|                | RBOB CRACK SPREAD BALMO    | 1E                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 25                                | 0        | 0.0%       |
|                | RBOB GASOLINE BALMO CLND   | 1D                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 852                          | 833      | 2.3%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 7,896                             | 9,000    | -12.3%     |
|                | RBOB PHY                   | RBL                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 0        | 0.0%       |
|                | RBOB SPREAD (PLATTS) SWAP  | RI                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 0        | 0.0%       |
|                | RBOB VS HEATING OIL SWAP   | RH                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 75                                | 1,975    | -96.2%     |
|                | SAN JUAN BASIS SWAP        | NJ                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 58       | -100.0%    |
|                | SAN JUAN PIPE SWAP         | XX                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 360      | -100.0%    |
|                | SINGAPORE 180CST BALMO     | BS                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 20                           | 48       | -58.3%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 113                               | 438      | -74.2%     |
|                | SINGAPORE 380CST BALMO     | BT                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 123                          | 282      | -56.4%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 716                               | 1,808    | -60.4%     |
|                | SINGAPORE 380CST FUEL OIL  | SE                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 2,234                        | 10,558   | -78.8%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 24,137                            | 72,321   | -66.6%     |
|                | SINGAPORE FUEL 180CST CAL  | UA                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 185                          | 543      | -65.9%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 2,232                             | 7,197    | -69.0%     |
|                | SINGAPORE FUEL OIL SPREAD  | SD                            | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 60                           | 273      | -78.0%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 495                               | 5,724    | -91.4%     |
|                | SINGAPORE GASOIL           | MAF                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 2,674                        | 8        | 33,325.0%                       | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 15,363                            | 8        | 191,937.5% |
|                | SINGAPORE GASOIL           | MTB                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 62                           | 51       | 21.6%                           | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 391                               | 476      | -17.9%     |
|                | SINGAPORE GASOIL           | MTS                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 4,878                        | 4,141    | 17.8%                           | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 31,275                            | 38,123   | -18.0%     |
|                | SINGAPORE GASOIL           | STZ                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 4,300    | -100.0%    |
|                | SINGAPORE GASOIL CALEND    | GDH                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 50       | -100.0%    |
|                | SINGAPORE GASOIL CALEND    | GDL                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 250      | -100.0%    |
|                | SINGAPORE GASOIL CALEND    | GHS                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 270                               | 0        | 0.0%       |
|                | SINGAPORE GASOIL CALEND    | MGO                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 0                            | 0        | 0.0%                            | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 0                                 | 200      | -100.0%    |
|                | SINGAPORE GASOIL CALEND    | MSG                           | 0                             | 0        | 0.0%                | 0                   | 0        | 0                            | 225                          | 50       | 350.0%                          | 0                               | 0        | 0.0%                  | 0                     | 0        | 0.0%                              | 1,450                             | 4,249    | -65.9%     |

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| Commodity Indicator        | Open Outcry AUG 2019 | Open Outcry AUG 2018 | % CHG | ELEC AUG 2019 | ELEC AUG 2018 | % CHG | CME ClearPort AUG 2019 | CME ClearPort AUG 2018 | % CHG   | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG   | CME ClearPort Y.T.D 2019 | CME ClearPort Y.T.D 2018 | % CHG   |
|----------------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Energy Futures             |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |         |                          |                          |         |
| SINGAPORE GASOIL CALEND    | SGG                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 325                      | -100.0% |
| SINGAPORE GASOIL SWAP      | SG                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 819                    | -87.6%  | 0                      | 0                      | 0.0%  | 0               | 2               | -100.0% | 8,315                    | 35,691                   | -76.7%  |
| SINGAPORE GASOIL VS ICE    | GA                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 4,490                    | 107,216                  | -95.8%  |
| SINGAPORE JET KERO BALMO   | BX                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 215                      | -100.0% |
| SINGAPORE JET KERO GASOIL  | RK                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 100                      | 31,170                   | -99.7%  |
| SINGAPORE JET KEROSENE S   | KS                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 275                    | -86.2%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 4,565                    | 9,060                    | -49.6%  |
| SINGAPORE JET KERO VS. GAS | Z0                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 400                      | -100.0% |
| SINGAPORE MOGAS 92 UNLEA   | 1P                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | -100.0% | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 1,475                    | 4,976                    | -70.4%  |
| SINGAPORE MOGAS 92 UNLEA   | 1N                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 1,592                  | -83.5%  | 0                      | 0                      | 0.0%  | 0               | 2               | -100.0% | 83,283                   | 111,177                  | -25.1%  |
| SINGAPORE NAPHTHA SWAP     | SP                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 200                      | -100.0% |
| SING FUEL                  | MSD                  | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 95                       | -100.0% |
| SOCAL PIPE SWAP            | XN                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 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               | 0.0%    | -                        | 0                        | 0.0%    |
| SOUTH STAR TEX OKLHM KNS   | 8Z                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| Sumas Basis Swap           | NK                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 91                       | -100.0% |
| SUMAS NAT GAS PLATTS FIXE  | DVS                  | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
| TC2 ROTTERDAM TO USAC 37K  | TM                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 91                     | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 2,061                    | 548                      | 276.1%  |
| TC5 RAS TANURA TO YOKOHA   | TH                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 20                     | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 2,501                    | 240                      | 942.1%  |
| TCO BASIS SWAP             | TC                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| TCO NG INDEX SWAP          | Q1                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
| TD3 MEG TO JAPAN 250K MT   | TL                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 2,965                  | 45.7%   | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 37,946                   | 8,655                    | 338.4%  |
| TENNESSEE 500 LEG BASIS S  | NM                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
| TENNESSEE 800 LEG NG BASI  | 6Z                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 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                      | 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               | 0.0%    | -                        | 0                        | 0.0%    |
| Tetco STX Basis            | TX                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 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                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| TEXAS GAS ZONE1 NG BASIS   | 9F                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| Transco Zone 3 Basis       | CZ                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| TRANSCO ZONE 3 NG INDEX S  | Y6                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
| TRANSCO ZONE4 BASIS SWAP   | TR                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| TRANSCO ZONE 4 NAT GAS IN  | B2                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |
| TRANSCO ZONE 6 BASIS SWAP  | NZ                   | 0                    | 0     | 0.0%          | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%    | 0                        | 0                        | 0.0%    |
| TRANSCO ZONE 6 INDEX       | IT                   | -                    | 0     | 0.0%          | -             | 0     | 0                      | -                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%    | -                        | 0                        | 0.0%    |

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|                            |     | Open     | Open     |      | ELEC   | ELEC   | %     | CME       | CME       | %       | Open       | Open       | %    | ELEC    | ELEC    | %       | CME        | CME        |         |
|----------------------------|-----|----------|----------|------|--------|--------|-------|-----------|-----------|---------|------------|------------|------|---------|---------|---------|------------|------------|---------|
| Commodity Indicator        |     | Outcry   | Outcry   |      | AUG    | AUG    |       | ClearPort | ClearPort |         | Outcry     | Outcry     |      | Y.T.D   | Y.T.D   |         | ClearPort  | ClearPort  | % CHG   |
|                            |     | AUG 2019 | AUG 2018 | CHG  | 2019   | 2018   | CHG   | AUG 2019  | AUG 2018  | CHG     | Y.T.D 2019 | Y.T.D 2018 | CHG  | 2019    | 2018    | CHG     | Y.T.D 2019 | Y.T.D 2018 | % CHG   |
| Energy Futures             |     |          |          |      |        |        |       |           |           |         |            |            |      |         |         |         |            |            |         |
| UCM FUT                    | UCM | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 20         | 60         | -66.7%  |
| UK NBP NAT GAS CAL MTH FUT | UKG | 0        | 0        | 0.0% | 1,170  | 1,336  | -0.12 | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 4,469   | 40,562  | -89.0%  | 0          | 150        | -100.0% |
| ULSD 10PPM CIF MED SWAP    | Z6  | -        | 0        | 0.0% | -      | 0      | 0     | -         | 0         | 0.0%    | -          | 0          | 0.0% | -       | 0       | 0.0%    | -          | 0          | 0.0%    |
| ULSD 10PPM CIF MED VS ICE  | Z7  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 14         | -100.0% |
| ULSD 10PPM CIF NW BALMO S  | B1  | -        | 0        | 0.0% | -      | 0      | 0     | -         | 0         | 0.0%    | -          | 0          | 0.0% | -       | 0       | 0.0%    | -          | 0          | 0.0%    |
| ULSD UP-DOWN BALMO SWP     | 1L  | 0        | 0        | 0.0% | 0      | 0      | 0     | 2,555     | 4,837     | -47.2%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 40,170     | 40,362     | -0.5%   |
| UP DOWN GC ULSD VS NMX H   | LT  | 0        | 0        | 0.0% | 0      | 0      | 0     | 43,125    | 33,292    | 29.5%   | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 244,916    | 253,949    | -3.6%   |
| WAHA BASIS                 | NW  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 650        | 3,201      | -79.7%  |
| WAHA INDEX SWAP FUTURE     | IY  | -        | 0        | 0.0% | -      | 0      | 0     | -         | 0         | 0.0%    | -          | 0          | 0.0% | -       | 0       | 0.0%    | -          | 0          | 0.0%    |
| WESTERN RAIL DELIVERY PRB  | QP  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 25         | -100.0% |
| WTI-BRENT BULLET SWAP      | BY  | 0        | 0        | 0.0% | 0      | 0      | 0     | 35        | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 1,449      | 6,650      | -78.2%  |
| WTI-BRENT CALENDAR SWAP    | BK  | 0        | 0        | 0.0% | 0      | 0      | 0     | 32,180    | 14,291    | 125.2%  | 0          | 0          | 0.0% | 0       | 6       | -100.0% | 288,407    | 250,799    | 15.0%   |
| WTI CALENDAR               | CS  | 0        | 0        | 0.0% | 0      | 0      | 0     | 22,528    | 35,424    | -36.4%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 320,094    | 264,043    | 21.2%   |
| WTS (ARGUS) VS WTI SWAP    | FF  | 0        | 0        | 0.0% | 0      | 0      | 0     | 2,235     | 13,583    | -83.5%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 36,907     | 68,502     | -46.1%  |
| WTS (ARGUS) VS WTI TRD MT  | FH  | 0        | 0        | 0.0% | 0      | 0      | 0     | 1,560     | 1,815     | -14.0%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 6,493      | 5,385      | 20.6%   |
| Energy Options             |     |          |          |      |        |        |       |           |           |         |            |            |      |         |         |         |            |            |         |
| 12 MO GASOIL CAL SWAP SPR  | GXZ | -        | 0        | 0.0% | -      | 0      | 0     | -         | 0         | 0.0%    | -          | 0          | 0.0% | -       | 0       | 0.0%    | -          | 0          | 0.0%    |
| BRENT 1 MONTH CAL          | AA  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 3,000      | -100.0% |
| BRENT CALENDAR SWAP        | BA  | 0        | 0        | 0.0% | 0      | 0      | 0     | 780       | 970       | -19.6%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 3,810      | 5,715      | -33.3%  |
| BRENT CRUDE OIL 12 M CSO   | 9Y  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 2,000      | -100.0% |
| BRENT CRUDE OIL 1 M CSO    | 9C  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 11,500    | -100.0% | 0          | 0          | 0.0% | 1,800   | 2,900   | -37.9%  | 33,390     | 382,938    | -91.3%  |
| BRENT CRUDE OIL 6 M CSO    | 9L  | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 1,000      | -100.0% |
| BRENT OIL LAST DAY         | BE  | 0        | 0        | 0.0% | 0      | 0      | 0     | 16,410    | 12,503    | 31.2%   | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 313,689    | 260,912    | 20.2%   |
| BRENT OIL LAST DAY         | BZO | 0        | 0        | 0.0% | 57,498 | 57,768 | 0     | 26,004    | 65,350    | -60.2%  | 0          | 0          | 0.0% | 513,365 | 464,623 | 10.5%   | 274,686    | 579,422    | -52.6%  |
| BRENT OIL LAST DAY         | OS  | 0        | 0        | 0.0% | 0      | 100    | -1    | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 190     | -100.0% | 0          | 1,000      | -100.0% |
| COAL API2 INDEX            | CLA | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 460       | -100.0% | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 210        | 5,365      | -96.1%  |
| COAL API2 INDEX            | CQA | 0        | 0        | 0.0% | 0      | 0      | 0     | 100       | 150       | -33.3%  | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 760        | 3,455      | -78.0%  |
| COAL API2 INDEX            | MTC | -        | 0        | 0.0% | -      | 0      | 0     | -         | 0         | 0.0%    | -          | 0          | 0.0% | -       | 0       | 0.0%    | -          | 0          | 0.0%    |
| COAL API4 INDEX            | RLA | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 25         | -100.0% |
| COAL API4 INDEX            | RQA | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 60         | -100.0% |
| COAL SWAP                  | CPF | 0        | 0        | 0.0% | 0      | 0      | 0     | 0         | 0         | 0.0%    | 0          | 0          | 0.0% | 0       | 0       | 0.0%    | 0          | 0          | 0.0%    |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

|                            |     | Open   | Open   |      | ELEC      | ELEC      | %     | CME       | CME       | %       | Open   | Open   | %    | ELEC       | ELEC       | %       | CME       | CME       |         |
|----------------------------|-----|--------|--------|------|-----------|-----------|-------|-----------|-----------|---------|--------|--------|------|------------|------------|---------|-----------|-----------|---------|
| Commodity Indicator        |     | Outcry | Outcry | %    | AUG       | AUG       | CHG   | ClearPort | ClearPort | CHG     | Outcry | Outcry | CHG  | Y.T.D      | Y.T.D      | CHG     | ClearPort | ClearPort | %       |
|                            |     | AUG    | AUG    |      | 2019      | 2018      |       | AUG 2019  | AUG 2018  |         | Y.T.D  | Y.T.D  |      | 2019       | 2018       |         | Y.T.D     | Y.T.D     |         |
|                            |     | 2019   | 2018   |      |           |           |       |           |           |         | 2019   | 2018   |      |            |            |         |           |           |         |
| <b>Energy Options</b>      |     |        |        |      |           |           |       |           |           |         |        |        |      |            |            |         |           |           |         |
| COAL SWAP                  | RPF | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 0         | 0.0%    |
| CRUDE OIL                  | 6Y  | 0      | -      | -    | 0         | -         |       | 0         | -         | -       | 0      | -      | -    | 0          | -          | -       | 150       | -         | -       |
| CRUDE OIL 1MO              | WA  | 0      | 0      | 0.0% | 21,050    | 13,630    | 0.54  | 200,125   | 101,400   | 97.4%   | 0      | 0      | 0.0% | 69,511     | 120,890    | -42.5%  | 1,804,000 | 1,597,150 | 13.0%   |
| CRUDE OIL APO              | AO  | 0      | 0      | 0.0% | 0         | 0         | 0     | 32,588    | 31,738    | 2.7%    | 0      | 0      | 0.0% | 3          | 331        | -99.1%  | 377,774   | 371,172   | 1.8%    |
| CRUDE OIL CALNDR STRIP     | 6F  | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 200       | 170       | 17.6%   |
| CRUDE OIL OUTRIGHTS        | AH  | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 0         | 0.0%    |
| CRUDE OIL OUTRIGHTS        | DBP | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| CRUDE OIL OUTRIGHTS        | WCI | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 960       | 0         | 0.0%    |
| CRUDE OIL PHY              | CD  | 0      | 0      | 0.0% | 0         | 0         | 0     | 150       | 1,250     | -88.0%  | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 1,300     | 19,050    | -93.2%  |
| CRUDE OIL PHY              | LC  | 0      | 0      | 0.0% | 20        | 0         | 0     | 8,427     | 11,985    | -29.7%  | 0      | 0      | 0.0% | 60         | 724        | -91.7%  | 82,990    | 78,415    | 5.8%    |
| CRUDE OIL PHY              | LO  | 0      | 0      | 0.0% | 2,631,947 | 2,417,115 | 0.09  | 310,860   | 519,270   | -40.1%  | 0      | 0      | 0.0% | 18,629,898 | 23,049,478 | -19.2%  | 3,125,757 | 5,122,463 | -39.0%  |
| CRUDE OIL PHY              | LO1 | 0      | 0      | 0.0% | 8,722     | 13,737    | -0.37 | 50        | 0         | 0.0%    | 0      | 0      | 0.0% | 120,461    | 110,810    | 8.7%    | 775       | 75        | 933.3%  |
| CRUDE OIL PHY              | LO2 | 0      | 0      | 0.0% | 10,146    | 14,177    | -0.28 | 350       | 0         | 0.0%    | 0      | 0      | 0.0% | 117,260    | 121,268    | -3.3%   | 550       | 250       | 120.0%  |
| CRUDE OIL PHY              | LO3 | 0      | 0      | 0.0% | 4,133     | 7,936     | -0.48 | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 71,588     | 78,255     | -8.5%   | 400       | 325       | 23.1%   |
| CRUDE OIL PHY              | LO4 | 0      | 0      | 0.0% | 10,022    | 11,928    | -0.16 | 200       | 300       | -33.3%  | 0      | 0      | 0.0% | 124,539    | 118,672    | 4.9%    | 200       | 350       | -42.9%  |
| CRUDE OIL PHY              | LO5 | 0      | 0      | 0.0% | 9,550     | 14,791    | -0.35 | 300       | 0         | 0.0%    | 0      | 0      | 0.0% | 47,414     | 49,480     | -4.2%   | 700       | 225       | 211.1%  |
| ELEC MISO PEAK             | 9T  | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| ETHANOL                    | CE1 | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 275       | -100.0% |
| ETHANOL                    | CE3 | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 150       | -100.0% |
| ETHANOL SWAP               | CVR | 0      | 0      | 0.0% | 0         | 0         | 0     | 22,538    | 3,306     | 581.7%  | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 90,926    | 57,811    | 57.3%   |
| ETHANOL SWAP               | GVR | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 475       | -100.0% | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 780       | 2,668     | -70.8%  |
| EUROPEAN JET KEROSENE N    | 30  | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| GASOLINE                   | GCE | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| HEATING OIL CRACK OPTIONS  | CH  | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| HEATING OIL CRK SPD AVG PR | 3W  | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |
| HEATING OIL PHY            | LB  | 0      | 0      | 0.0% | 0         | 0         | 0     | 325       | 0         | 0.0%    | 0      | 0      | 0.0% | 2          | 0          | 0.0%    | 1,725     | 750       | 130.0%  |
| HEATING OIL PHY            | OH  | 0      | 0      | 0.0% | 4,123     | 2,957     | 0.39  | 21,370    | 20,837    | 2.6%    | 0      | 0      | 0.0% | 33,933     | 42,884     | -20.9%  | 195,356   | 196,619   | -0.6%   |
| HENRY HUB FINANCIAL LAST   | E7  | 0      | 0      | 0.0% | 0         | 0         | 0     | 2,673     | 5,117     | -47.8%  | 0      | 0      | 0.0% | 0          | 5          | -100.0% | 48,696    | 32,360    | 50.5%   |
| HO 1 MONTH CLNDR OPTIONS   | FA  | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 2,150     | 0         | 0.0%    |
| LLS CRUDE OIL              | WJO | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 100       | -100.0% |
| LLS CRUDE OIL              | YVO | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 0         | 0         | 0.0%    |
| MCCLOSKEY ARA ARGS COAL    | MTO | 0      | 0      | 0.0% | 0         | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 130       | 255       | -49.0%  |
| MCCLOSKEY RCH BAY COAL     | MFO | 0      | 0      | 0.0% | 0         | 0         | 0     | 50        | 0         | 0.0%    | 0      | 0      | 0.0% | 0          | 0          | 0.0%    | 920       | 1,905     | -51.7%  |
| NATURAL GAS                | G10 | -      | 0      | 0.0% | -         | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -          | 0          | 0.0%    | -         | 0         | 0.0%    |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

|                           |     | Open   | Open   |      | ELEC    | ELEC      | %     | CME       | CME       | %       | Open   | Open   |      | ELEC      | ELEC      | %       | CME       | CME       |          |
|---------------------------|-----|--------|--------|------|---------|-----------|-------|-----------|-----------|---------|--------|--------|------|-----------|-----------|---------|-----------|-----------|----------|
| Commodity Indicator       |     | Outcry | Outcry | %    | AUG     | AUG       | CHG   | ClearPort | ClearPort | CHG     | Outcry | Outcry | %    | Y.T.D     | Y.T.D     | CHG     | ClearPort | ClearPort | %        |
|                           |     | AUG    | AUG    |      | 2019    | 2018      |       | AUG       | AUG       |         | Y.T.D  | Y.T.D  |      | 2019      | 2018      |         | Y.T.D     | Y.T.D     |          |
|                           |     | 2019   | 2018   |      |         |           |       |           |           |         | 2019   | 2018   |      |           |           |         |           |           |          |
| Energy Options            |     |        |        |      |         |           |       |           |           |         |        |        |      |           |           |         |           |           |          |
| NATURAL GAS 1 M CSO FIN   | G4  | 0      | 0      | 0.0% | 7,950   | 245       | 31.45 | 136,200   | 30,400    | 348.0%  | 0      | 0      | 0.0% | 11,520    | 1,386     | 731.2%  | 421,955   | 284,941   | 48.1%    |
| NATURAL GAS 2 M CSO FIN   | G2  | 0      | 0      | 0.0% | 0       | 0         | 0     | 500       | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 4,125     | 1,200     | 243.8%   |
| NATURAL GAS 3 M CSO FIN   | G3  | 0      | 0      | 0.0% | 0       | 0         | 0     | 59,350    | 5,500     | 979.1%  | 0      | 0      | 0.0% | 0         | 1         | -100.0% | 178,350   | 43,545    | 309.6%   |
| NATURAL GAS 5 M CSO FIN   | G5  | 0      | 0      | 0.0% | 0       | 0         | 0     | 500       | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 1,600     | 2,550     | -37.3%   |
| NATURAL GAS 6 M CSO FIN   | G6  | 0      | 0      | 0.0% | 0       | 0         | 0     | 5,550     | 1,700     | 226.5%  | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 41,075    | 70,950    | -42.1%   |
| NATURAL GAS OPTION ON CAL | 6J  | 0      | 0      | 0.0% | 0       | 0         | 0     | 3,600     | 1,000     | 260.0%  | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 18,960    | 22,308    | -15.0%   |
| NATURAL GAS PHY           | KD  | 0      | 0      | 0.0% | 1,141   | 10,933    | -0.9  | 6,230     | 7,400     | -15.8%  | 0      | 0      | 0.0% | 4,387     | 102,478   | -95.7%  | 19,830    | 65,435    | -69.7%   |
| NATURAL GAS PHY           | LN  | 0      | 0      | 0.0% | 807,190 | 1,022,000 | -0.21 | 576,549   | 489,535   | 17.8%   | 0      | 0      | 0.0% | 6,198,353 | 8,203,141 | -24.4%  | 5,213,161 | 5,449,275 | -4.3%    |
| NATURAL GAS PHY           | ON  | 0      | 0      | 0.0% | 103,682 | 160,873   | -0.36 | 2,202     | 7,864     | -72.0%  | 0      | 0      | 0.0% | 947,576   | 1,298,314 | -27.0%  | 30,656    | 77,763    | -60.6%   |
| NATURAL GAS WINTER STRIP  | 6I  | 0      | 0      | 0.0% | 0       | 0         | 0     | 200       | 1,200     | -83.3%  | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 1,500     | 1,200     | 25.0%    |
| N ROCKIES PIPE SWAP       | ZR  | 0      | 0      | 0.0% | 0       | 0         | 0     | 546       | 708       | -22.9%  | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 3,624     | 1,780     | 103.6%   |
| NY HARBOR HEAT OIL SWP    | AT  | 0      | 0      | 0.0% | 80      | 36        | 1.22  | 1,423     | 1,963     | -27.5%  | 0      | 0      | 0.0% | 377       | 446       | -15.5%  | 16,610    | 19,741    | -15.9%   |
| NYISO ZONE G 5MW PEAK OPT | 9U  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 0         | 0         | 0.0%     |
| NYMEX EUROPEAN GASOIL AP  | F7  | -      | 0      | 0.0% | -       | 0         | 0     | -         | 0         | 0.0%    | -      | 0      | 0.0% | -         | 0         | 0.0%    | -         | 0         | 0.0%     |
| PANHANDLE PIPE SWAP       | PU  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 0         | 0         | 0.0%     |
| PETROCHEMICALS            | 4H  | 0      | 0      | 0.0% | 4       | 3         | 0.33  | 162       | 1,370     | -88.2%  | 0      | 0      | 0.0% | 21        | 23        | -8.7%   | 4,758     | 4,991     | -4.7%    |
| PETROCHEMICALS            | 4J  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 200       | 1,350     | -85.2%   |
| PETROCHEMICALS            | 4K  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 1,200     | -100.0% | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 160       | 3,300     | -95.2%   |
| PETROCHEMICALS            | CPR | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 40        | 0         | 0.0%     |
| PETRO OUTRIGHT EURO       | 8H  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 0         | 0         | 0.0%     |
| PETRO OUTRIGHT EURO       | BCO | 0      | -      | -    | 0       | -         |       | 0         | -         | -       | 0      | -      | -    | 0         | -         | -       | 24        | -         | -        |
| PETRO OUTRIGHT NA         | DAP | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 240       | 0         | 0.0%     |
| PJM WES HUB PEAK CAL MTH  | 6OA | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 10        | -100.0% | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 640       | 320       | 100.0%   |
| PJM WES HUB PEAK CAL MTH  | JOA | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 0         | 880       | -100.0%  |
| PJM WES HUB PEAK LMP 50MW | PMA | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 443       | -100.0% | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 836       | 6,857     | -87.8%   |
| RBOB 1MO CAL SPD OPTIONS  | ZA  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 150       | 700       | -78.6%   |
| RBOB CALENDAR SWAP        | RA  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 381       | 965       | -60.5%   |
| RBOB CRACK                | RX  | 0      | -      | -    | 0       | -         |       | 0         | -         | -       | 0      | -      | -    | 0         | -         | -       | 0         | -         | -        |
| RBOB PHY                  | OB  | 0      | 0      | 0.0% | 2,939   | 1,600     | 0.84  | 8,370     | 7,225     | 15.8%   | 0      | 0      | 0.0% | 29,275    | 28,775    | 1.7%    | 96,815    | 63,537    | 52.4%    |
| RBOB PHY                  | RF  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 6         | 0         | 0.0%    | 1,618     | 125       | 1,194.4% |
| ROTTERDAM 3.5%FUEL OIL CL | Q6  | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 0         | 0         | 0.0%     |
| SAN JUAN PIPE SWAP        | PJ  | 0      | 0      | 0.0% | 0       | 0         | 0     | 1,092     | 124       | 780.6%  | 0      | 0      | 0.0% | 0         | 0         | 0.0%    | 2,970     | 1,882     | 57.8%    |
| SHORT TERM                | C15 | 0      | -      | -    | 0       | -         |       | 0         | -         | -       | 0      | -      | -    | 0         | -         | -       | 0         | -         | -        |
| SHORT TERM                | U11 | 0      | 0      | 0.0% | 0       | 0         | 0     | 0         | 0         | 0.0%    | 0      | 0      | 0.0% | 0         | 111       | -100.0% | 700       | 1,125     | -37.8%   |

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**NYMEX/COMEX Exchange Volume Comparison Report - Monthly**

|                           |     | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | %<br>CHG |
|---------------------------|-----|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Options            |     |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |
| SHORT TERM                | U12 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 230                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 85                    | -100.0%  | 1,030                             | 750                               | 37.3%    |
| SHORT TERM                | U13 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 300                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 150                               | 400                               | -62.5%   |
| SHORT TERM                | U14 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 100                          | 50                           | 100.0%   | 0                               | 0                               | 0.0%     | 0                     | 13                    | -100.0%  | 150                               | 850                               | -82.4%   |
| SHORT TERM                | U15 | 0                             | 0                             | 0.0%     | 0                   | 20                  | -1       | 100                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 25                    | 147                   | -83.0%   | 1,250                             | 650                               | 92.3%    |
| SHORT TERM                | U22 | 0                             | 0                             | 0.0%     | 0                   | 30                  | -1       | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 1                     | 96                    | -99.0%   | 0                                 | 1,125                             | -100.0%  |
| SHORT TERM                | U23 | 0                             | 0                             | 0.0%     | 0                   | 53                  | -1       | 100                          | 250                          | -60.0%   | 0                               | 0                               | 0.0%     | 17                    | 148                   | -88.5%   | 100                               | 750                               | -86.7%   |
| SHORT TERM                | U24 | 0                             | 0                             | 0.0%     | 0                   | 253                 | -1       | 0                            | 200                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 379                   | -100.0%  | 250                               | 500                               | -50.0%   |
| SHORT TERM                | U25 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 2                     | -100.0%  | 0                                 | 100                               | -100.0%  |
| SHORT TERM                | U26 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 0                                 | 300                               | -100.0%  |
| SHORT TERM NATURAL GAS    | U01 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 25                    | 0                     | 0.0%     | 500                               | 350                               | 42.9%    |
| SHORT TERM NATURAL GAS    | U02 | 0                             | 0                             | 0.0%     | 0                   | 3                   | -1       | 175                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 98                    | -100.0%  | 175                               | 1,350                             | -87.0%   |
| SHORT TERM NATURAL GAS    | U03 | 0                             | 0                             | 0.0%     | 0                   | 4                   | -1       | 100                          | 100                          | 0.0%     | 0                               | 0                               | 0.0%     | 4                     | 54                    | -92.6%   | 700                               | 1,375                             | -49.1%   |
| SHORT TERM NATURAL GAS    | U04 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 650                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 25                    | -100.0%  | 600                               | 1,575                             | -61.9%   |
| SHORT TERM NATURAL GAS    | U05 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 50                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 80                    | -100.0%  | 250                               | 730                               | -65.8%   |
| SHORT TERM NATURAL GAS    | U06 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 5                     | 50                    | -90.0%   | 400                               | 825                               | -51.5%   |
| SHORT TERM NATURAL GAS    | U07 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 50                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 1                     | -100.0%  | 650                               | 1,600                             | -59.4%   |
| SHORT TERM NATURAL GAS    | U08 | 0                             | 0                             | 0.0%     | 0                   | 2                   | -1       | 1,850                        | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 2                     | -100.0%  | 2,450                             | 1,375                             | 78.2%    |
| SHORT TERM NATURAL GAS    | U09 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 50                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 34                    | -100.0%  | 300                               | 1,500                             | -80.0%   |
| SHORT TERM NATURAL GAS    | U10 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 200                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 250                               | 1,150                             | -78.3%   |
| SHORT TERM NATURAL GAS    | U16 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 50                           | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 150                   | -100.0%  | 250                               | 550                               | -54.5%   |
| SHORT TERM NATURAL GAS    | U17 | 0                             | 0                             | 0.0%     | 0                   | 3                   | -1       | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 96                    | -100.0%  | 150                               | 2,200                             | -93.2%   |
| SHORT TERM NATURAL GAS    | U18 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 25                    | 22                    | 13.6%    | 100                               | 1,350                             | -92.6%   |
| SHORT TERM NATURAL GAS    | U19 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 100                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 98                    | -100.0%  | 100                               | 125                               | -20.0%   |
| SHORT TERM NATURAL GAS    | U20 | 0                             | 0                             | 0.0%     | 0                   | 15                  | -1       | 0                            | 350                          | -100.0%  | 0                               | 0                               | 0.0%     | 0                     | 25                    | -100.0%  | 300                               | 850                               | -64.7%   |
| SHORT TERM NATURAL GAS    | U21 | 0                             | 0                             | 0.0%     | 0                   | 10                  | -1       | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 13                    | -100.0%  | 50                                | 350                               | -85.7%   |
| SHORT TERM NATURAL GAS    | U27 | 0                             | 0                             | 0.0%     | 0                   | 25                  | -1       | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 25                    | -100.0%  | 0                                 | 400                               | -100.0%  |
| SHORT TERM NATURAL GAS    | U28 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 25                    | 0                     | 0.0%     | 400                               | 100                               | 300.0%   |
| SHORT TERM NATURAL GAS    | U29 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 100                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 10                    | -100.0%  | 100                               | 450                               | -77.8%   |
| SHORT TERM NATURAL GAS    | U30 | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 100                          | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 0                     | 0.0%     | 300                               | 100                               | 200.0%   |
| SHORT TERM NATURAL GAS    | U31 | 0                             | 0                             | 0.0%     | 0                   | 2                   | -1       | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 0                     | 27                    | -100.0%  | 1,200                             | 0                                 | 0.0%     |
| SINGAPORE GASOIL CALEND   | M2  | 0                             | 0                             | 0.0%     | 0                   | 0                   | 0        | 0                            | 0                            | 0.0%     | 0                               | 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%     | 0                               | 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%     | -                     | 0                     | 0.0%     | -                                 | 0                                 | 0.0%     |
| WTI-BRENT BULLET SWAP     | BV  | 0                             | 0                             | 0.0%     | 1,400               | 1,150               | 0.22     | 96,550                       | 18,880                       | 411.4%   | 0                               | 0                               | 0.0%     | 30,605                | 137,661               | -77.8%   | 413,425                           | 602,136                           | -31.3%   |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| Commodity Indicator         |     | Open Outcry AUG 2019 | Open Outcry AUG 2018 | % CHG | ELEC AUG 2019 | ELEC AUG 2018 | % CHG | CME ClearPort AUG 2019 | CME ClearPort AUG 2018 | % CHG   | Open Outcry Y.T.D 2019 | Open Outcry Y.T.D 2018 | % CHG | ELEC Y.T.D 2019 | ELEC Y.T.D 2018 | % CHG    | CME ClearPort Y.T.D 2019 | CME ClearPort Y.T.D 2018 | % CHG   |
|-----------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|----------|--------------------------|--------------------------|---------|
| Energy Options              |     |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |          |                          |                          |         |
| WTI CRUDE OIL 1 M CSO FI    | 7A  | 0                    | 0                    | 0.0%  | 0             | 500           | -1    | 45,825                 | 47,050                 | -2.6%   | 0                      | 0                      | 0.0%  | 8,600           | 15,050          | -42.9%   | 422,520                  | 581,100                  | -27.3%  |
| Metals Futures              |     |                      |                      |       |               |               |       |                        |                        |         |                        |                        |       |                 |                 |          |                          |                          |         |
| COMEX GOLD                  | GC  | 0                    | 0                    | 0.0%  | 9,294,106     | 6,082,485     | 0.53  | 288,144                | 191,677                | 50.3%   | 0                      | 0                      | 0.0%  | 53,807,893      | 55,810,658      | -3.6%    | 1,780,216                | 2,041,794                | -12.8%  |
| NYMEX HOT ROLLED STEEL      | HR  | 0                    | 0                    | 0.0%  | 1,499         | 2,910         | -0.48 | 3,614                  | 14,325                 | -74.8%  | 0                      | 0                      | 0.0%  | 27,701          | 25,820          | 7.3%     | 102,750                  | 58,225                   | 76.5%   |
| NYMEX PLATINUM              | PL  | 0                    | 0                    | 0.0%  | 482,794       | 404,093       | 0.19  | 13,209                 | 8,617                  | 53.3%   | 0                      | 0                      | 0.0%  | 3,595,566       | 3,535,327       | 1.7%     | 131,380                  | 93,095                   | 41.1%   |
| PALLADIUM                   | PA  | 0                    | 0                    | 0.0%  | 129,050       | 168,470       | -0.23 | 4,250                  | 7,638                  | -44.4%  | 0                      | 0                      | 0.0%  | 853,964         | 963,247         | -11.3%   | 27,537                   | 42,096                   | -34.6%  |
| URANIUM                     | UX  | 0                    | 0                    | 0.0%  | 0             | 174           | -1    | 0                      | 16                     | -100.0% | 0                      | 0                      | 0.0%  | 395             | 305             | 29.5%    | 8,989                    | 1,849                    | 386.2%  |
| COMEX SILVER                | SI  | 0                    | 0                    | 0.0%  | 2,959,771     | 2,303,039     | 0.29  | 58,858                 | 61,070                 | -3.6%   | 0                      | 0                      | 0.0%  | 15,502,643      | 16,459,272      | -5.8%    | 379,102                  | 486,174                  | -22.0%  |
| COMEX E-Mini GOLD           | QO  | 0                    | 0                    | 0.0%  | 44,915        | 7,762         | 4.79  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 144,297         | 59,958          | 140.7%   | 0                        | 0                        | 0.0%    |
| COMEX E-Mini SILVER         | QI  | 0                    | 0                    | 0.0%  | 7,551         | 1,210         | 5.24  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 33,923          | 9,776           | 247.0%   | 0                        | 0                        | 0.0%    |
| COMEX COPPER                | HG  | 0                    | 0                    | 0.0%  | 2,385,062     | 3,377,601     | -0.29 | 11,991                 | 24,836                 | -51.7%  | 0                      | 0                      | 0.0%  | 16,925,892      | 23,552,439      | -28.1%   | 135,244                  | 229,265                  | -41.0%  |
| COMEX MINY COPPER           | QC  | 0                    | 0                    | 0.0%  | 733           | 381           | 0.92  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 5,345           | 3,921           | 36.3%    | 0                        | 0                        | 0.0%    |
| ALUMINUM                    | A38 | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 22                       | 0                        | 0.0%    |
| ALUMINUM                    | AEP | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 2,675                  | 435                    | 514.9%  | 0                      | 0                      | 0.0%  | 55              | 0               | 0.0%     | 13,750                   | 11,945                   | 15.1%   |
| ALUMINUM                    | ALA | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 15                     | 360                    | -95.8%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 255                      | 5,325                    | -95.2%  |
| ALUMINUM                    | ALI | 0                    | 0                    | 0.0%  | 3,118         | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 3,468           | 0               | 0.0%     | 0                        | 0                        | 0.0%    |
| ALUMINUM                    | AUP | 0                    | 0                    | 0.0%  | 444           | 419           | 0.06  | 5,731                  | 3,043                  | 88.3%   | 0                      | 0                      | 0.0%  | 4,535           | 5,905           | -23.2%   | 43,311                   | 68,871                   | -37.1%  |
| ALUMINUM                    | CUP | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 25              | -100.0%  | 0                        | 180                      | -100.0% |
| ALUMINUM                    | EDP | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 1,716                  | 376                    | 356.4%  | 0                      | 0                      | 0.0%  | 72              | 17              | 323.5%   | 16,498                   | 10,606                   | 55.6%   |
| ALUMINUM                    | MJP | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 1,260                  | 1,060                  | 18.9%   | 0                      | 0                      | 0.0%  | 0               | 76              | -100.0%  | 8,140                    | 9,359                    | -13.0%  |
| COPPER                      | HGS | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 181                    | 500                    | -63.8%  | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 6,052                    | 11,139                   | -45.7%  |
| E-MICRO GOLD                | MGC | 0                    | 0                    | 0.0%  | 889,807       | 164,142       | 4.42  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 2,967,222       | 1,070,839       | 177.1%   | 0                        | 0                        | 0.0%    |
| FERROUS PRODUCTS            | BUS | 0                    | 0                    | 0.0%  | 193           | 165           | 0.17  | 275                    | 1,815                  | -84.8%  | 0                      | 0                      | 0.0%  | 4,255           | 276             | 1,441.7% | 4,548                    | 12,903                   | -64.8%  |
| GOLD                        | GPS | -                    | 0                    | 0.0%  | -             | 0             | 0     | -                      | 0                      | 0.0%    | -                      | 0                      | 0.0%  | -               | 0               | 0.0%     | -                        | 0                        | 0.0%    |
| Gold Kilo                   | GCK | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 136             | -100.0%  | 0                        | 0                        | 0.0%    |
| IRON ORE 62 CHINA PLATTS FL | PIO | 0                    | 0                    | 0.0%  | 0             | 0             | 0     | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 0                        | 0                        | 0.0%    |
| IRON ORE 62 CHINA TSI FUTUR | TIO | 0                    | 0                    | 0.0%  | 0             | 18            | -1    | 3,116                  | 5,134                  | -39.3%  | 0                      | 0                      | 0.0%  | 28              | 135             | -79.3%   | 45,712                   | 32,388                   | 41.1%   |
| LNDN ZINC                   | ZNC | 0                    | 0                    | 0.0%  | 0             | 1,435         | -1    | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 1,230           | 4,266           | -71.2%   | 0                        | 0                        | 0.0%    |
| SILVER                      | SIL | 0                    | 0                    | 0.0%  | 56,056        | 9,435         | 4.94  | 0                      | 0                      | 0.0%    | 0                      | 0                      | 0.0%  | 174,868         | 60,622          | 188.5%   | 0                        | 0                        | 0.0%    |

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|------------------------------|-----|----------------------|----------------------|-------|---------------|---------------|--------|------------------------|------------------------|----------|------------------------|------------------------|-------|-----------------|-----------------|----------|--------------------------|--------------------------|----------|
| Metals Options               |     |                      |                      |       |               |               |        |                        |                        |          |                        |                        |       |                 |                 |          |                          |                          |          |
| COMEX COPPER                 | HX  | 0                    | 0                    | 0.0%  | 43,787        | 19,743        | 1.22   | 12,824                 | 9,012                  | 42.3%    | 0                      | 0                      | 0.0%  | 346,039         | 141,106         | 145.2%   | 133,925                  | 59,526                   | 125.0%   |
| COMEX GOLD                   | OG  | 0                    | 0                    | 0.0%  | 1,644,794     | 943,386       | 0.74   | 558,044                | 323,018                | 72.8%    | 0                      | 0                      | 0.0%  | 8,204,961       | 6,270,418       | 30.9%    | 2,394,001                | 1,697,984                | 41.0%    |
| COMEX SILVER                 | SO  | 0                    | 0                    | 0.0%  | 319,560       | 139,306       | 1.29   | 21,605                 | 58,255                 | -62.9%   | 0                      | 0                      | 0.0%  | 1,226,861       | 1,048,268       | 17.0%    | 164,716                  | 217,461                  | -24.3%   |
| COPPER                       | H1E | 0                    | 0                    | 0.0%  | 172           | 16            | 9.75   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 328             | 29              | 1,031.0% | 0                        | 0                        | 0.0%     |
| COPPER                       | H2E | 0                    | 0                    | 0.0%  | 181           | 53            | 2.42   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 586             | 107             | 447.7%   | 0                        | 0                        | 0.0%     |
| COPPER                       | H3E | 0                    | 0                    | 0.0%  | 40            | 90            | -0.56  | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 129             | 95              | 35.8%    | 0                        | 0                        | 0.0%     |
| COPPER                       | H4E | 0                    | 0                    | 0.0%  | 10            | 40            | -0.75  | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 115             | 156             | -26.3%   | 0                        | 0                        | 0.0%     |
| COPPER                       | H5E | 0                    | 0                    | 0.0%  | 77            | 12            | 5.42   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 97              | 12              | 708.3%   | 0                        | 0                        | 0.0%     |
| GOLD                         | OG1 | 0                    | 0                    | 0.0%  | 36,413        | 9,401         | 2.87   | 2,400                  | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 284,559         | 82,756          | 243.9%   | 20,930                   | 1,460                    | 1,333.6% |
| GOLD                         | OG2 | 0                    | 0                    | 0.0%  | 50,082        | 9,136         | 4.48   | 4,850                  | 50                     | 9,600.0% | 0                      | 0                      | 0.0%  | 250,376         | 69,311          | 261.2%   | 20,902                   | 3,170                    | 559.4%   |
| GOLD                         | OG3 | 0                    | 0                    | 0.0%  | 43,647        | 14,277        | 2.06   | 1,825                  | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 199,891         | 85,587          | 133.6%   | 9,629                    | 3,750                    | 156.8%   |
| GOLD                         | OG4 | 0                    | 0                    | 0.0%  | 32,763        | 8,449         | 2.88   | 1,350                  | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 145,994         | 49,865          | 192.8%   | 6,350                    | 1,250                    | 408.0%   |
| GOLD                         | OG5 | 0                    | 0                    | 0.0%  | 33,339        | 10,653        | 2.13   | 375                    | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 60,052          | 26,028          | 130.7%   | 2,325                    | 0                        | 0.0%     |
| HOT ROLLED COIL STEEL CALL   | HRO | 0                    | 0                    | 0.0%  | 0             | 0             | 0      | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 900                      | 0                        | 0.0%     |
| IRON ORE 62 CHINA TSI CALL C | ICT | 0                    | 0                    | 0.0%  | 0             | 0             | 0      | 100                    | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 6,760                    | 200                      | 3,280.0% |
| IRON ORE 62 CHINA TSI PUT O  | ICT | 0                    | 0                    | 0.0%  | 0             | 0             | 0      | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 0               | 0               | 0.0%     | 3,600                    | 1,280                    | 181.3%   |
| NYMEX PLATINUM               | PO  | 0                    | 0                    | 0.0%  | 2,736         | 3,284         | -0.17  | 500                    | 700                    | -28.6%   | 0                      | 0                      | 0.0%  | 12,022          | 15,849          | -24.1%   | 16,281                   | 16,501                   | -1.3%    |
| PALLADIUM                    | PAO | 0                    | 0                    | 0.0%  | 390           | 1,279         | -0.7   | 745                    | 2,050                  | -63.7%   | 0                      | 0                      | 0.0%  | 4,820           | 12,669          | -62.0%   | 5,119                    | 11,882                   | -56.9%   |
| SILVER                       | SO1 | 0                    | 0                    | 0.0%  | 1,204         | 691           | 0.74   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 11,091          | 3,036           | 265.3%   | 725                      | 0                        | 0.0%     |
| SILVER                       | SO2 | 0                    | 0                    | 0.0%  | 1,779         | 637           | 1.79   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 8,380           | 2,430           | 244.9%   | 1,050                    | 0                        | 0.0%     |
| SILVER                       | SO3 | 0                    | 0                    | 0.0%  | 2,804         | 1,234         | 1.27   | 115                    | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 9,997           | 4,508           | 121.8%   | 215                      | 0                        | 0.0%     |
| SILVER                       | SO4 | 0                    | 0                    | 0.0%  | 587           | 377           | 0.56   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 4,271           | 1,627           | 162.5%   | 0                        | 0                        | 0.0%     |
| SILVER                       | SO5 | 0                    | 0                    | 0.0%  | 2,166         | 911           | 1.38   | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 4,033           | 2,092           | 92.8%    | 0                        | 0                        | 0.0%     |
| TOTAL FUTURES GROUP          |     |                      |                      |       |               |               |        |                        |                        |          |                        |                        |       |                 |                 |          |                          |                          |          |
| Ag Products Futures          |     | 0                    | 0                    | 0.0%  | 1             | 2             | -50.0% | 0                      | 0                      | 0.0%     | 0                      | 0                      | 0.0%  | 48              | 67              | -28.4%   | 0                        | 0                        | 0.0%     |
| Energy Futures               |     | 0                    | 0                    | 0.0%  | 46,115,942    | 37,163,527    | 24.1%  | 2,251,290              | 2,476,262              | -9.1%    | 0                      | 0                      | 0.0%  | 340,686,165     | 355,126,828     | -4.1%    | 20,252,169               | 21,905,532               | -7.5%    |
| Metals Futures               |     | 0                    | 0                    | 0.0%  | 16,255,099    | 12,523,739    | 29.8%  | 395,035                | 320,902                | 23.1%    | 0                      | 0                      | 0.0%  | 94,053,352      | 101,563,020     | -7.4%    | 2,703,506                | 3,115,214                | -13.2%   |
| TOTAL FUTURES                |     | 0                    | 0                    | 0.0%  | 62,371,042    | 49,687,268    | 25.5%  | 2,646,325              | 2,797,164              | -5.4%    | 0                      | 0                      | 0.0%  | 434,739,565     | 456,689,915     | -4.8%    | 22,955,675               | 25,020,746               | -8.3%    |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| Commodity<br>Indicator | Open<br>Outcry<br>AUG<br>2019 | Open<br>Outcry<br>AUG<br>2018 | %<br>CHG | ELEC<br>AUG<br>2019 | ELEC<br>AUG<br>2018 | %<br>CHG | CME<br>ClearPort<br>AUG 2019 | CME<br>ClearPort<br>AUG 2018 | %<br>CHG | Open<br>Outcry<br>Y.T.D<br>2019 | Open<br>Outcry<br>Y.T.D<br>2018 | %<br>CHG | ELEC<br>Y.T.D<br>2019 | ELEC<br>Y.T.D<br>2018 | %<br>CHG | CME<br>ClearPort<br>Y.T.D<br>2019 | CME<br>ClearPort<br>Y.T.D<br>2018 | %<br>CHG |
|------------------------|-------------------------------|-------------------------------|----------|---------------------|---------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| TOTAL OPTIONS GROUP    |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |
| Energy Options         | 0                             | 0                             | 0.0%     | 3,681,597           | 3,751,899           | -1.9%    | 1,591,304                    | 1,412,283                    | 12.7%    | 0                               | 0                               | 0.0%     | 26,960,681            | 33,949,576            | -20.6%   | 13,272,062                        | 16,061,116                        | -17.4%   |
| Metals Options         | 0                             | 0                             | 0.0%     | 2,216,531           | 1,162,975           | 90.6%    | 604,733                      | 393,085                      | 53.8%    | 0                               | 0                               | 0.0%     | 10,774,602            | 7,815,949             | 37.9%    | 2,787,428                         | 2,014,464                         | 38.4%    |
| TOTAL OPTIONS          | 0                             | 0                             | 0.0%     | 5,898,128           | 4,914,874           | 20.0%    | 2,196,037                    | 1,805,368                    | 21.6%    | 0                               | 0                               | 0.0%     | 37,735,283            | 41,765,525            | -9.6%    | 16,059,490                        | 18,075,580                        | -11.2%   |
| TOTAL COMBINED         |                               |                               |          |                     |                     |          |                              |                              |          |                                 |                                 |          |                       |                       |          |                                   |                                   |          |
| Ag Products            | 0                             | 0                             | 0.0%     | 1                   | 2                   | -50.0%   | 0                            | 0                            | 0.0%     | 0                               | 0                               | 0.0%     | 48                    | 67                    | -28.4%   | 0                                 | 0                                 | 0.0%     |
| Energy                 | 0                             | 0                             | 0.0%     | 49,797,539          | 40,915,426          | 21.7%    | 3,842,594                    | 3,888,545                    | -1.2%    | 0                               | 0                               | 0.0%     | 367,646,846           | 389,076,404           | -5.5%    | 33,524,231                        | 37,966,648                        | -11.7%   |
| Metals                 | 0                             | 0                             | 0.0%     | 18,471,630          | 13,686,714          | 35.0%    | 999,768                      | 713,987                      | 40.0%    | 0                               | 0                               | 0.0%     | 104,827,954           | 109,378,969           | -4.2%    | 5,490,934                         | 5,129,678                         | 7.0%     |
| GRAND TOTAL            | 0                             | 0                             | 0.0%     | 68,269,170          | 54,602,142          | 25.0%    | 4,842,362                    | 4,602,532                    | 5.2%     | 0                               | 0                               | 0.0%     | 472,474,848           | 498,455,440           | -5.2%    | 39,015,165                        | 43,096,326                        | -9.5%    |