

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| | Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Ag Products Futures | | | | | | | | | | | | | | | | | | | |
| | CJ | 0 | 0 | 0.0% | 0 | 1 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5 | 87 | -94.3% | 0 | 0 | 0.0% |
| | KT | 0 | 0 | 0.0% | 0 | 1 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 41 | -100.0% | 0 | 0 | 0.0% |
| | TT | 0 | 0 | 0.0% | 1 | 3 | -0.67 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 21 | 19 | 10.5% | 0 | 0 | 0.0% |
| | YO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 58 | 42 | 38.1% | 0 | 0 | 0.0% |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| | CL | 0 | 0 | 0.0% | 26,949,840 | 27,068,603 | 0 | 620,721 | 567,103 | 9.5% | 0 | 0 | 0.0% | 278,477,981 | 283,703,452 | -1.8% | 5,226,333 | 6,140,346 | -14.9% |
| | WS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 15,209 | -100.0% | 0 | 0 | 0.0% | 89 | 304 | -70.7% | 15,550 | 74,196 | -79.0% |
| | QM | 0 | 0 | 0.0% | 615,655 | 235,179 | 1.62 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,074,872 | 2,834,261 | 43.8% | 0 | 0 | 0.0% |
| | BZ | 0 | 0 | 0.0% | 2,220,732 | 1,535,316 | 0.45 | 49,537 | 35,054 | 41.3% | 0 | 0 | 0.0% | 19,734,445 | 20,280,916 | -2.7% | 430,421 | 264,365 | 62.8% |
| | HO | 0 | 0 | 0.0% | 4,309,272 | 3,320,816 | 0.3 | 207,509 | 228,462 | -9.2% | 0 | 0 | 0.0% | 40,965,345 | 37,488,106 | 9.3% | 2,073,539 | 2,603,675 | -20.4% |
| | BH | 0 | 0 | 0.0% | 0 | 0 | 0 | 24 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 144 | -100.0% | 120 | 196 | -38.8% |
| | QH | 0 | 0 | 0.0% | 4 | 4 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 44 | 32 | 37.5% | 0 | 0 | 0.0% |
| | RB | 0 | 0 | 0.0% | 3,784,893 | 3,493,215 | 0.08 | 168,869 | 224,130 | -24.7% | 0 | 0 | 0.0% | 43,873,965 | 43,324,640 | 1.3% | 2,335,243 | 3,217,796 | -27.4% |
| | QU | 0 | 0 | 0.0% | 6 | 4 | 0.5 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 43 | 47 | -8.5% | 0 | 0 | 0.0% |
| | HP | 0 | 0 | 0.0% | 76,626 | 38,452 | 0.99 | 141,344 | 76,425 | 84.9% | 0 | 0 | 0.0% | 560,641 | 393,799 | 42.4% | 783,872 | 1,122,996 | -30.2% |
| | HH | 0 | 0 | 0.0% | 303,243 | 157,723 | 0.92 | 332,929 | 155,620 | 113.9% | 0 | 0 | 0.0% | 2,364,603 | 1,408,252 | 67.9% | 1,820,152 | 1,815,706 | 0.2% |
| | QG | 0 | 0 | 0.0% | 112,587 | 28,377 | 2.97 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 387,425 | 271,600 | 42.6% | 36 | 0 | 0.0% |
| | JM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 120 | -100.0% |
| | NG | 0 | 0 | 0.0% | 13,892,304 | 9,685,384 | 0.43 | 327,042 | 321,131 | 1.8% | 0 | 0 | 0.0% | 103,290,989 | 94,669,998 | 9.1% | 3,113,815 | 3,221,191 | -3.3% |
| | RT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,850 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 14,386 | 26,546 | -45.8% |
| | 7D | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 70 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 612 | 1,035 | -40.9% |
| | 8D | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 95 | 175 | -45.7% |
| | 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 | 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 | 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% |
| | QL | - | 0 | 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 NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| ARGUS LLS VS. WTI (ARG) T | E5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 18,221 | 55,150 | -67.0% | 0 | 0 | 0.0% | 30 | 60 | -50.0% | 240,986 | 159,882 | 50.7% |
| ARGUS PROPAN FAR EST INDE | 7E | 0 | 0 | 0.0% | 0 | 0 | 0 | 5,595 | 3,932 | 42.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 65,519 | 28,462 | 130.2% |
| ARGUS PROPAN(SAUDI ARAMC | 9N | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,726 | 1,106 | 146.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 31,145 | 11,496 | 170.9% |
| AUSTRIALIAN COKE COAL | ACT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 120 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20 | 120 | -83.3% |
| AUSTRIALIAN COKE COAL | ALW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1,003 | -100.0% |
| BRENT BALMO SWAP | J9 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 285 | 578 | -50.7% |
| BRENT CALENDAR SWAP | CY | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,125 | 2,555 | -16.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 38,237 | 30,743 | 24.4% |
| BRENT CFD SWAP | 6W | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 300 | - | - |
| BRENT FINANCIAL FUTURES | BB | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,000 | 1,010 | -1.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20,864 | 43,043 | -51.5% |
| BRENT FINANCIAL FUTURES | MBC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 127 | 0 | 0.0% |
| BRENT FINANCIAL FUTURES | MDB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 52 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 224 | 330 | -32.1% |
| 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 | 0.0% | 0 | 7,940 | -100.0% |
| CAISO SP15 EZGNHUB5 PEAK | 9Z | 0 | 0 | 0.0% | 0 | 0 | 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 | 7,344 | -100.0% |
| CENTERPOINT BASIS SWAP | PW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 465 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 36 | 999 | -96.4% |
| CENTERPOINT EAST INDEX | II | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CEU ENERGY | DEB | 0 | - | - | 1,377 | - | | 0 | - | - | 0 | - | - | 4,479 | - | - | 0 | - | - |
| CEU ENERGY | TTF | 0 | - | - | 3,685 | - | | 0 | - | - | 0 | - | - | 18,071 | - | - | 10 | - | - |
| CEU ENERGY | UKG | 0 | - | - | 2,031 | - | | 0 | - | - | 0 | - | - | 48,262 | - | - | 150 | - | - |
| CHICAGO ETHANOL SWAP | CU | 0 | 0 | 0.0% | 66 | 621 | -0.89 | 86,941 | 108,890 | -20.2% | 0 | 0 | 0.0% | 2,071 | 4,204 | -50.7% | 1,052,327 | 1,242,990 | -15.3% |
| CHICAGO ULSD (PLATTS) SWA | 4C | 0 | 0 | 0.0% | 0 | 0 | 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 | 932 | 155 | 501.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,007 | 1,638 | 205.7% |
| CHICAGO UNL GAS PL VS RBO | 3C | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 950 | 0 | 0.0% |
| CIG BASIS | CI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 730 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 221 | 1,456 | -84.8% |
| CIG ROCKIES NG INDEX SWA | Z8 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 720 | -100.0% |
| 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 | 326,080 | -100.0% |
| CIN HUB 5MW D AH PK | H5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 538 | 600 | -10.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12,376 | 18,293 | -32.3% |
| 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% | 0 | 397,000 | -100.0% |
| 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% | 1,505 | 25,625 | -94.1% |
| COAL SWAP | ACM | 0 | 0 | 0.0% | 0 | 0 | 0 | 60 | 70 | -14.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 570 | 1,675 | -66.0% |

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| | Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| COAL SWAP | SSI | 0 | 0 | 0.0% | 0 | 0 | 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% | 0 | 999 | -100.0% |
| COLUMBIA GULF MAIN NAT G | L2 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| COLUMBIA GULF ONSHORE | GL | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1,332 | -100.0% |
| CONWAY NATURAL GASOLINE | 8L | 0 | 0 | 0.0% | 0 | 0 | 0 | 916 | 120 | 663.3% | 0 | 0 | 0.0% | 5 | 0 | 0.0% | 2,649 | 2,950 | -10.2% |
| CONWAY NORMAL BUTANE (O | 8M | 0 | 0 | 0.0% | 0 | 0 | 0 | 70 | 75 | -6.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,831 | 8,040 | -64.8% |
| CONWAY PROPANE 5 DECIMAL | 8K | 0 | 0 | 0.0% | 16 | 4 | 3 | 13,712 | 10,546 | 30.0% | 0 | 0 | 0.0% | 48 | 58 | -17.2% | 174,954 | 98,959 | 76.8% |
| CRUDE OIL | CHB | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL | LPS | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,600 | 2,814 | 27.9% | 0 | 0 | 0.0% | 0 | 203 | -100.0% | 48,985 | 41,866 | 17.0% |
| CRUDE OIL OUTRIGHTS | 37 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | 42 | 0 | 0 | 0.0% | 0 | 0 | 0 | 192 | 140 | 37.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,677 | 5,787 | -53.7% |
| CRUDE OIL OUTRIGHTS | CC5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 30 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 330 | 600 | -45.0% |
| CRUDE OIL OUTRIGHTS | CPD | 0 | - | - | 0 | - | 0 | 0 | - | - | 0 | - | - | 0 | - | - | 2,956 | - | - |
| CRUDE OIL OUTRIGHTS | CSN | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 30 | -100.0% |
| CRUDE OIL OUTRIGHTS | CSW | 0 | 0 | 0.0% | 0 | 0 | 0 | 30 | 155 | -80.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,315 | 2,705 | -14.4% |
| CRUDE OIL OUTRIGHTS | DBL | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 411 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 99 | 2,036 | -95.1% |
| CRUDE OIL OUTRIGHTS | FE | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 330 | -100.0% |
| CRUDE OIL OUTRIGHTS | GSW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 45 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 105 | 200 | -47.5% |
| CRUDE OIL OUTRIGHTS | HTT | 0 | 0 | 0.0% | 0 | 0 | 0 | 38,047 | 42,980 | -11.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 529,495 | 210,365 | 151.7% |
| CRUDE OIL OUTRIGHTS | LSW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,215 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 335 | 4,125 | -91.9% |
| CRUDE OIL OUTRIGHTS | SSW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 960 | -100.0% |
| CRUDE OIL OUTRIGHTS | UMD | 0 | - | - | 0 | - | 0 | 0 | - | - | 0 | - | - | 0 | - | - | 4,800 | - | - |
| CRUDE OIL OUTRIGHTS | UNS | 0 | - | - | 0 | - | 0 | 0 | - | - | 0 | - | - | 0 | - | - | 7,554 | - | - |
| CRUDE OIL OUTRIGHTS | WCC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 24,737 | -100.0% |
| CRUDE OIL OUTRIGHTS | WCW | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,162 | 17,085 | -87.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 65,018 | 72,796 | -10.7% |
| 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 | - | - | 10,095 | - | 0 | 0 | - | - | 0 | - | - | 10,095 | - | - | 0 | - | - |
| CRUDE OIL SPRDS | 38 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,055 | 0 | 0.0% |
| CRUDE OIL SPRDS | WTT | 0 | 0 | 0.0% | 0 | 0 | 0 | 10,718 | 42,885 | -75.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% | 415,278 | 140,514 | 195.5% |
| 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% |

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|----------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| 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% |
| 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 | 0.0% | 0 | 1,400 | -100.0% |
| DATED TO FRONTLINE BRENT | FY | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 400 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,360 | 14,450 | -76.7% |
| DEMARC INDEX FUTURE | DI | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| DEMARC SWING SWAP | DT | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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% | 5 | 0 | 0.0% |
| DIESEL 10PPM BARGES FOB B | U7 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 3 | -100.0% |
| DLY GAS EURO-BOB OXY | GBR | - | 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 | 2,920 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,920 | -100.0% |
| DOMINION TRANSMISSION INC | PG | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 4,508 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 126 | 53,117 | -99.8% |
| DUBAI CRUDE OIL BALMO | BI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 125 | 0 | 0.0% |
| DUBAI CRUDE OIL CALENDAR | DC | 0 | 0 | 0.0% | 0 | 0 | 0 | 15,305 | 4,162 | 267.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 99,807 | 81,936 | 21.8% |
| 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 | 0.0% | 0 | 1,500 | -100.0% |
| EASTERN RAIL DELIVERY CSX | QX | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 15 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 245 | 4,855 | -95.0% |
| 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% | 187 | 1,255 | -85.1% |
| EIA FLAT TAX ONHWAY DIESE | A5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 313 | 116 | 169.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,170 | 7,644 | -58.5% |
| ELEC ERCOT DLY OFF PK | I4 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| ELEC ERCOT DLY OFF PK | R4 | - | 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 | - | - |
| 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 DLY PEAK | N1 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| ELEC ERCOT DLY PEAK | R1 | - | 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 | - | - | 19,600 | - | - |
| 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 | 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 | 3,825 | -100.0% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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|----------------|----------------------------|-------------------------------|-------------------------------|----------|---------------------|------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | | |
| | 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% | |
| | ELEC NYISO OFF-PEAK | 4M | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 70,200 | -100.0% | |
| | ELEC NYISO OFF-PEAK | 58 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0.0% | 0 | 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 | 0.0% | 0 | 690 | -100.0% | |
| | 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% | |
| | ELECTRICITY OFF PEAK | 4P | 0 | 0 | 0.0% | 0 | 0 | 0 | 55,380 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 55,380 | 0 | 0.0% |
| | ELECTRICITY OFF PEAK | 50 | 0 | 0 | 0.0% | 0 | 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 | 0.0% | 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 | 0.0% | 0 | 1,540 | -100.0% | |
| | EL PASO PERMIAN INDEX SWA | IL | - | 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 | 0.0% | 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% | 1,950 | 3,880 | -49.7% | |
| | 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% | |
| | ERCOT NORTH ZMCPE 5MW OF | I6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 39,200 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 19,600 | 115,120 | -83.0% |
| | ERCOT NORTH ZMCPE 5MW PE | I5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 2,100 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,050 | 6,810 | -25.8% |
| | ETHANOL SWAP | MT2 | 0 | - | - | 0 | - | 270 | - | - | 0 | - | - | 0 | - | - | 670 | - | - | |
| | ETHANOL T2 FOB ROTT INCL D | Z1 | 0 | 0 | 0.0% | 0 | 0 | 0 | 6,461 | 5,559 | 16.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 37,812 | 44,045 | -14.2% |
| | EURO 1% FUEL OIL NEW BALM | KX | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 33 | 18 | 83.3% | |
| | EURO 3.5% FUEL OIL RDAM B | KR | 0 | 0 | 0.0% | 0 | 0 | 0 | 235 | 740 | -68.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,674 | 4,877 | 16.3% |
| | EURO 3.5% FUEL OIL SPREAD | FK | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 180 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 840 | 4,466 | -81.2% |
| | EURO-DENOMINATED PETRO P | NCP | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 640 | 1,514 | -57.7% | |
| | EURO GASOIL 10 CAL SWAP | GT | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| | EURO GASOIL 10PPM VS ICE | ET | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 5 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 370 | 430 | -14.0% |
| | EUROPE 1% FUEL OIL NWE CA | UF | 0 | 0 | 0.0% | 0 | 0 | 0 | 120 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 546 | 709 | -23.0% |
| | 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% | 3 | 39 | -92.3% |
| | EUROPE 3.5% FUEL OIL MED | UI | 0 | 0 | 0.0% | 0 | 0 | 0 | 4 | 320 | -98.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 991 | 1,701 | -41.7% |
| | EUROPE 3.5% FUEL OIL RDAM | UV | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,205 | 8,695 | -63.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 77,095 | 78,083 | -1.3% |
| | EUROPEAN GASOIL (ICE) | 7F | 0 | 0 | 0.0% | 1,254 | 1,490 | -0.16 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,929 | 30,762 | -77.5% | 0 | 58 | -100.0% |
| | EUROPEAN NAPHTHA BALMO | KZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 184 | 135 | 36.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,039 | 3,656 | -16.9% |
| | EUROPEAN NAPHTHA CRACK SF | EN | 0 | 0 | 0.0% | 0 | 0 | 0 | 8,523 | 7,541 | 13.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 103,391 | 75,329 | 37.3% |
| | EUROPE DATED BRENT SWAP | UB | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,520 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,720 | 2,540 | 85.8% |
| | EUROPE JET KERO NWE CALS | UJ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 39 | 105 | -62.9% |
| | EUROPE NAPHTHA CALSWAP | UN | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,614 | 1,963 | 33.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 38,106 | 29,707 | 28.3% |
| | EURO PROPANE CIF ARA SWA | PS | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,051 | 1,740 | 17.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20,318 | 14,275 | 42.3% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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|---------------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|----------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| FL GAS ZONE 3 NAT GAS IND | Q9 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| FLORIDA GAS ZONE3 BASIS S | FP | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| FREIGHT MARKETS | FLP | 0 | 0 | 0.0% | 0 | 0 | 0 | 337 | 18 | 1,772.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,185 | 1,622 | 34.7% |
| FREIGHT MARKETS | FRC | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 600 | - | - |
| FREIGHT MARKETS | FRS | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| FREIGHT MARKETS | T2D | 0 | - | - | 0 | - | | 1,215 | - | - | 0 | - | - | 0 | - | - | 4,673 | - | - |
| FREIGHT MARKETS | TC6 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 240 | - | - |
| FREIGHT MARKETS | TD3 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 30 | - | - |
| FREIGHT MARKETS | TD8 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 150 | - | - |
| FUEL OIL CRACK VS ICE | FO | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,442 | 1,588 | -9.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 37,502 | 39,399 | -4.8% |
| FUEL OIL NWE CRACK VS ICE | FI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 171 | 0 | 0.0% |
| 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% | 154 | 20 | 670.0% |
| 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% | 120 | 0 | 0.0% |
| FUELOIL SWAP:CARGOES VS.B | FS | 0 | 0 | 0.0% | 0 | 0 | 0 | 15 | 171 | -91.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,129 | 2,974 | -28.4% |
| GAS EURO-BOB OXY NWE BAR | 7H | 0 | 0 | 0.0% | 0 | 0 | 0 | 5,318 | 3,197 | 66.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 81,582 | 68,825 | 18.5% |
| GAS EURO-BOB OXY NWE BAR | 7K | 0 | 0 | 0.0% | 0 | 0 | 0 | 12,780 | 17,089 | -25.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 198,152 | 208,435 | -4.9% |
| GASOIL 0.1 BRGS FOB VS IC | 6V | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| GASOIL 0.1 CIF MED SWAP | Z4 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 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% | 10 | 50 | -80.0% |
| 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% | 0 | 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 | 0.0% | 0 | 20 | -100.0% |
| GASOIL 0.1 CRG CIF NW VS | 4V | - | 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 | 120 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 10 | 294 | -96.6% |
| GASOIL 0.1 ROTTERDAM BARG | VL | 0 | 0 | 0.0% | 0 | 0 | 0 | 26 | 45 | -42.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,496 | 155 | 865.2% |
| GASOIL 10P CRG CIF NW VS | 3V | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 25 | -100.0% |
| GASOIL 10PPM CARGOES CIF | TY | - | 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 | 15 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12 | 727 | -98.3% |
| GASOIL BULLET SWAP | BG | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 130 | -100.0% |
| GASOIL CALENDAR SWAP | GX | 0 | 0 | 0.0% | 0 | 0 | 0 | 12 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 66 | 244 | -73.0% |
| GASOIL CRACK SPREAD CALE | GZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 604 | 7,395 | -91.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 38,106 | 75,163 | -49.3% |
| GASOIL MINI CALENDAR SWAP | QA | 0 | 0 | 0.0% | 0 | 0 | 0 | 803 | 119 | 574.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,827 | 1,469 | 92.4% |
| GASOLINE UP-DOWN BALMO S | 1K | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| GROUP THREE ULSD (PLATTS) | A7 | 0 | 0 | 0.0% | 0 | 0 | 0 | 45 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 250 | 125 | 100.0% |
| GROUP THREE UNLEAD GAS (P | A9 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 425 | - | - |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

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|---------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| GRP THREE ULSD(PLT)VS HEA | A6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,826 | 5,535 | -30.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 39,259 | 47,830 | -17.9% |
| GRP THREE UNL GS (PLT) VS | A8 | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,735 | 2,005 | -13.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 23,342 | 12,139 | 92.3% |
| GULF COAST 3% FUEL OIL BA | VZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 703 | 1,132 | -37.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 13,602 | 12,737 | 6.8% |
| GULF COAST GASOLINE CLND | GS | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| GULF COAST JET FUEL CLNDR | GE | 0 | 0 | 0.0% | 0 | 0 | 0 | 207 | 45 | 360.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,402 | 988 | 41.9% |
| GULF COAST JET VS NYM 2 H | ME | 0 | 0 | 0.0% | 0 | 0 | 0 | 22,758 | 27,375 | -16.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 387,389 | 455,089 | -14.9% |
| GULF COAST NO.6 FUEL OIL | MF | 0 | 0 | 0.0% | 0 | 0 | 0 | 30,573 | 59,771 | -48.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 577,851 | 570,037 | 1.4% |
| GULF COAST NO.6 FUEL OIL | MG | 0 | 0 | 0.0% | 0 | 0 | 0 | 830 | 5,278 | -84.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 17,306 | 17,681 | -2.1% |
| GULF COAST ULSD CALENDAR | LY | 0 | 0 | 0.0% | 0 | 0 | 0 | 254 | 54 | 370.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,573 | 5,574 | -35.9% |
| GULF COAST ULSD CRACK SP | GY | 0 | 0 | 0.0% | 0 | 0 | 0 | 240 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,655 | 3,870 | -57.2% |
| 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% | 243 | 830 | -70.7% |
| HEATING OIL CRCK SPRD BAL | 1H | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,996 | -100.0% | 32,088 | 49,736 | -35.5% |
| HENRY HUB FINANCIAL LAST | NBP | 0 | 0 | 0.0% | 0 | 1,762 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 26,818 | 4,257 | 530.0% | 0 | 0 | 0.0% |
| HENRY HUB FINANCIAL LAST | TTE | 0 | 0 | 0.0% | 0 | 134 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 885 | 887 | -0.2% | 0 | 0 | 0.0% |
| HENRY HUB INDEX SWAP FUTL | IN | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,996 | -100.0% | 32,088 | 47,546 | -32.5% |
| HENRY HUB SWAP | NN | 0 | 0 | 0.0% | 9,147 | 3,189 | 1.87 | 158,218 | 181,180 | -12.7% | 0 | 0 | 0.0% | 68,731 | 65,169 | 5.5% | 1,780,385 | 1,985,287 | -10.3% |
| HENRY HUB SWING FUTURE | SN | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| HOUSTON SHIP CHANNEL BASI | NH | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 5,480 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 9,257 | -100.0% |
| HOUSTON SHIP CHANNEL INDE | IP | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| HUSTN SHIP CHNL PIPE SWP | XJ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 719 | -100.0% |
| ICE BRENT DUBAI SWAP | DB | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,890 | 20,075 | -80.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 104,308 | 117,530 | -11.2% |
| ICE GASOIL BALMO SWAP | U9 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 9 | -100.0% |
| IN DELIVERY MONTH EUA | 6T | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,248 | 2,850 | -56.2% |
| 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 | 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 | PDM | - | 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% |
| INDIANA MISO | PTM | - | 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 | 0.0% | 0 | 5 | -100.0% |
| INDONESIAN COAL ICI4 | ICI | 0 | - | - | 0 | - | | 205 | - | - | 0 | - | - | 0 | - | - | 1,720 | - | - |

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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 NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| 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 | 10 | -100.0% |
| JAPAN C&F NAPHTHA CRACK S | JB | 0 | 0 | 0.0% | 0 | 0 | 0 | 161 | 830 | -80.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,890 | 6,643 | -71.5% |
| JAPAN C&F NAPHTHA SWAP | JA | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,105 | 1,564 | -29.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 22,215 | 16,774 | 32.4% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 20 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 628 | 1,410 | -55.5% |
| 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% | 5 | 36 | -86.1% |
| JET BARGES VS ICE GASOIL | JR | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| JET CIF NWE VS ICE | JC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 273 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 642 | 1,248 | -48.6% |
| 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 | 0.0% | 0 | 5 | -100.0% |
| JET FUEL CRG CIF NEW VS I | 6X | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 2 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 64 | -100.0% |
| JET FUEL UP-DOWN BALMO CL | 1M | 0 | 0 | 0.0% | 0 | 0 | 0 | 5,370 | 4,130 | 30.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 65,567 | 76,391 | -14.2% |
| LA CARB DIESEL (OPIS) | LX | 0 | 0 | 0.0% | 0 | 0 | 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 | 125 | 125 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,095 | 2,120 | 46.0% |
| LA CARBOB GASOLINE(OPIS)S | JL | 0 | 0 | 0.0% | 0 | 0 | 0 | 410 | 300 | 36.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,510 | 2,775 | 98.6% |
| 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 | 0.0% | 0 | 25 | -100.0% |
| LA JET (OPIS) SWAP | JS | 0 | 0 | 0.0% | 0 | 0 | 0 | 700 | 740 | -5.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 21,179 | 18,865 | 12.3% |
| LLS (ARGUS) CALENDAR SWAP | XA | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 607 | - | - |
| LLS (ARGUS) VS WTI SWAP | WJ | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,800 | 8,239 | -66.0% | 0 | 0 | 0.0% | 0 | 15 | -100.0% | 59,429 | 55,945 | 6.2% |
| LOS ANGELES CARB GASOLIN | MH | 0 | - | - | 0 | - | | 10 | - | - | 0 | - | - | 0 | - | - | 10 | - | - |
| MARS (ARGUS) VS WTI SWAP | YX | 0 | 0 | 0.0% | 0 | 0 | 0 | 985 | 1,370 | -28.1% | 0 | 0 | 0.0% | 0 | 70 | -100.0% | 22,270 | 33,949 | -34.4% |
| MARS (ARGUS) VS WTI TRD M | YV | 0 | 0 | 0.0% | 0 | 150 | -1 | 12,665 | 37,937 | -66.6% | 0 | 0 | 0.0% | 575 | 950 | -39.5% | 219,391 | 233,766 | -6.1% |
| MARS BLEND CRUDE OIL | MB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,000 | -100.0% | 0 | 0 | 0.0% | 0 | 200 | -100.0% | 2,319 | 14,768 | -84.3% |
| MCCLOSKY ARA ARGS COAL | MTF | 0 | 0 | 0.0% | 0 | 0 | 0 | 24,979 | 28,239 | -11.5% | 0 | 0 | 0.0% | 731 | 0 | 0.0% | 261,910 | 481,972 | -45.7% |
| MCCLOSKY RCH BAY COAL | MFF | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,100 | 2,635 | -20.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 32,311 | 52,976 | -39.0% |
| MGF FUT | MGF | 0 | 0 | 0.0% | 0 | 0 | 0 | 10 | 30 | -66.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 268 | 316 | -15.2% |
| MGN1 SWAP FUT | MGN | 0 | 0 | 0.0% | 0 | 0 | 0 | 120 | 70 | 71.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 813 | 1,074 | -24.3% |
| MICHCON NG INDEX SWAP | Y8 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| MICHIGAN BASIS | NF | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 156 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,748 | -100.0% |
| MICHIGAN MISO | HMO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 106,440 | -100.0% |
| MICHIGAN MISO | HMW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 5,730 | -100.0% |
| MINI GAS EUROBOB OXY NWE | MEB | 0 | 0 | 0.0% | 0 | 0 | 0 | 362 | 195 | 85.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,798 | 4,710 | -19.4% |
| MINI RBOB V. EBOBARG NWE B | MXR | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 90 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,383 | 5,726 | -40.9% |
| MINI RBOB V. EBOB(ARGUS) N | MXB | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,322 | 1,503 | -12.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20,073 | 24,633 | -18.5% |
| MJC FUT | MJC | 0 | 0 | 0.0% | 0 | 0 | 0 | 50 | 115 | -56.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,460 | 1,305 | 11.9% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| Commodity Indicator | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|----------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|---------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| MNC FUT | MNC | 0 | 0 | 0.0% | 0 | 0 | 0 | 5,026 | 2,750 | 82.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 45,790 | 43,845 | 4.4% |
| MONT BELVIEU ETHANE 5 DECI | C0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 8,446 | 12,620 | -33.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 172,811 | 242,042 | -28.6% |
| MONT BELVIEU ETHANE OPIS E | 8C | 0 | 0 | 0.0% | 0 | 0 | 0 | 80 | 180 | -55.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,690 | 2,870 | -41.1% |
| MONT BELVIEU LDH PROPANE | B0 | 0 | 0 | 0.0% | 3 | 74 | -0.96 | 136,578 | 101,125 | 35.1% | 0 | 0 | 0.0% | 212 | 401 | -47.1% | 1,382,279 | 1,021,210 | 35.4% |
| MONT BELVIEU LDH PROPANE | 8O | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,871 | 1,113 | 68.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 27,019 | 18,034 | 49.8% |
| MONT BELVIEU NATURAL GAS | 7Q | 0 | 0 | 0.0% | 0 | 0 | 0 | 7,858 | 15,730 | -50.0% | 0 | 0 | 0.0% | 0 | 20 | -100.0% | 91,947 | 63,786 | 44.1% |
| MONT BELVIEU NATURAL GAS | R0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 40 | 480 | -91.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,626 | 3,344 | 8.4% |
| MONT BELVIEU NORMAL BUTA | D0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 32,903 | 42,791 | -23.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 399,925 | 327,670 | 22.1% |
| MONT BELVIEU NORMAL BUTA | 8J | 0 | 0 | 0.0% | 0 | 0 | 0 | 920 | 584 | 57.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 11,989 | 7,740 | 54.9% |
| NAT GAS BASIS SWAP | TZ6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 422 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,587 | -100.0% |
| NATURAL GAS | HBI | - | 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 | 44 | -100.0% |
| NATURAL GAS FIXED PRICE S | CFS | - | 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 | 0.0% | 0 | 360 | -100.0% |
| NATURAL GAS FIXED PRICE S | MFS | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NATURAL GAS FIXED PRICE S | PFS | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NATURAL GAS FIXED PRICE S | WFS | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NATURAL GAS FIXED PRICE S | ZTS | - | 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 | 0.0% | 0 | 656 | -100.0% |
| NATURAL GAS PEN SWP | NP | 0 | 0 | 0.0% | 0 | 0 | 0 | 54,632 | 84,159 | -35.1% | 0 | 0 | 0.0% | 0 | 62 | -100.0% | 390,190 | 925,745 | -57.9% |
| 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 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 136,440 | 235,140 | -42.0% |
| 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% | 12,711 | 17,275 | -26.4% |
| 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 | 14,040 | -100.0% |
| 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 | 765 | -100.0% |
| NEPOOL NEW HAMP 5MW D AH | U2 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL NEW HAMP 5MW D AH | U3 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| 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 SE MASS 5MW D AH O | P5 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NEPOOL SE MASS 5MW D AH P | P4 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 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% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------------|-----|-------------------------------|-------------------------------|----------|---------------------|------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| 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 | 337 | 1,105 | -69.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12,028 | 9,250 | 30.0% |
| 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 | 1,300 | 600 | 116.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,748 | 4,674 | 1.6% |
| NGPL MIDCONTINENT INDEX | IW | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NGPL MIDCONTINENT SWING S | PX | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NGPL TEX/OK | PD | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,080 | 1,080 | 185.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 47,716 | 9,214 | 417.9% |
| NGPL TEXOK INDEX | OI | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ILLINOIS HUB DAILY | UD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 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 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,983 | 3,659 | -18.5% |
| 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 | 48 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 132 | -24.2% |
| NORTHERN ILLINOIS OFF-PEA | UO | 0 | 0 | 0.0% | 0 | 0 | 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% | 0 | 3,088 | -100.0% |
| N ROCKIES PIPE SWAP | XR | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 59 | 334 | -82.3% |
| NY1% VS GC SPREAD SWAP | VR | 0 | 0 | 0.0% | 0 | 0 | 0 | 510 | 1,505 | -66.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 13,908 | 23,477 | -40.8% |
| NY 2.2% FUEL OIL (PLATTS | Y3 | 0 | 0 | 0.0% | 0 | 0 | 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 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,795 | 3,260 | -44.9% |
| NY HARBOR 1% FUEL OIL BAL | VK | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 50 | 25 | 100.0% |
| NY HARBOR HEAT OIL SWP | MP | 0 | 0 | 0.0% | 10 | 0 | 0 | 4,713 | 1,067 | 341.7% | 0 | 0 | 0.0% | 77 | 3 | 2,466.7% | 27,706 | 23,481 | 18.0% |
| NY HARBOR LOW SULPUR GAS | NLS | 0 | 0 | 0.0% | 0 | 0 | 0 | 600 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,445 | 4,273 | -19.4% |
| NY HARBOR RESIDUAL FUEL 1 | MM | 0 | 0 | 0.0% | 0 | 0 | 0 | 621 | 780 | -20.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 11,413 | 26,062 | -56.2% |
| NY HARBOR RESIDUAL FUEL C | ML | 0 | - | - | 0 | - | | 50 | - | - | 0 | - | - | 0 | - | - | 50 | - | - |
| NYH NO 2 CRACK SPREAD CAL | HK | 0 | 0 | 0.0% | 0 | 0 | 0 | 534 | 420 | 27.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 8,576 | 14,034 | -38.9% |
| NY H OIL PLATTS VS NYMEX | YH | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYISO A | KA | 0 | 0 | 0.0% | 0 | 0 | 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 | 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% | 646 | 453 | 42.6% |
| NYISO CAPACITY | NNC | 0 | 0 | 0.0% | 0 | 0 | 0 | 60 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 795 | 2,306 | -65.5% |
| NYISO CAPACITY | NRS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 132 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 335 | 2,899 | -88.4% |
| NYISO G | KG | 0 | 0 | 0.0% | 0 | 0 | 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 | 0.0% | 0 | 0 | 0.0% |

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| Commodity Indicator | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|------------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|----------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|----------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| NYISO J | KJ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO J OFF-PEAK | KK | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE A 5MW D AH O P | K4 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 44,264 | 32,760 | 35.1% |
| NYISO ZONE A 5MW D AH PK | K3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,890 | 6,815 | -72.3% |
| NYISO ZONE C 5MW D AH O P | A3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE C 5MW D AH PK | Q5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 110 | -100.0% |
| NYISO ZONE G 5MW D AH O P | D2 | 0 | 0 | 0.0% | 0 | 0 | 0 | 11,550 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 626,384 | 780,585 | -19.8% |
| NYISO ZONE G 5MW D AH PK | T3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 635 | 2,560 | -75.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 21,159 | 57,604 | -63.3% |
| NYISO ZONE J 5MW D AH O P | D4 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 226,600 | -100.0% |
| NYISO ZONE J 5MW D AH PK | D3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,815 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 26,790 | -100.0% |
| NY JET FUEL (PLATTS) HEAT OI | 1U | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NYMEX ALUMINUM FUTURES | AN | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NYMEX ULSD VS NYMEX HO | UY | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| NY ULSD (ARGUS) VS HEATING | 7Y | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 13 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 213 | 8,245 | -97.4% |
| ONEOK OKLAHOMA NG BASIS | 8X | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,704 | 1,788 | 51.2% |
| ONTARIO POWER SWAPS | OFD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | OFM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | OPD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 10 | 505 | -98.0% |
| ONTARIO POWER SWAPS | OPM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 650 | -100.0% |
| PANHANDLE BASIS SWAP FUT | PH | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 275 | 3,060 | -91.0% |
| PANHANDLE INDEX SWAP FUT | IV | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PANHANDLE PIPE SWAP | XH | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 3,228 | -100.0% |
| PERMIAN BASIS SWAP | PM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1,381 | -100.0% |
| PETROCHEMICALS | 22 | 0 | 0 | 0.0% | 0 | 0 | 0 | 108 | 142 | -23.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,978 | 923 | 114.3% |
| PETROCHEMICALS | 32 | 0 | 0 | 0.0% | 0 | 0 | 0 | 51 | 151 | -66.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,634 | 1,201 | 36.1% |
| PETROCHEMICALS | 3NA | 0 | - | - | 0 | - | | 5 | - | - | 0 | - | - | 0 | - | - | 11 | - | - |
| PETROCHEMICALS | 51 | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 23 | - | - |
| PETROCHEMICALS | 8I | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 448 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,760 | 6,546 | 3.3% |
| PETROCHEMICALS | 9I | 0 | 0 | 0.0% | 0 | 0 | 0 | 477 | 837 | -43.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,798 | 3,090 | 55.3% |
| PETROCHEMICALS | HPE | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | JKM | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,335 | 165 | 1,921.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 15,679 | 725 | 2,062.6% |
| PETROCHEMICALS | LPE | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETROCHEMICALS | MAA | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 50 | - | - |
| PETROCHEMICALS | MAC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |

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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 NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| PETROCHEMICALS | MAE | 0 | 0 | 0.0% | 0 | 0 | 0 | 522 | 90 | 480.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,564 | 500 | 412.8% |
| PETROCHEMICALS | MAS | 0 | 0 | 0.0% | 0 | 0 | 0 | 370 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,081 | 375 | 454.9% |
| PETROCHEMICALS | MBE | 0 | 0 | 0.0% | 0 | 0 | 0 | 360 | 180 | 100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 8,890 | 12,240 | -27.4% |
| PETROCHEMICALS | MNB | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,272 | 2,021 | -37.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 19,650 | 19,235 | 2.2% |
| PETROCHEMICALS | MPS | 0 | 0 | 0.0% | 0 | 0 | 0 | 203 | 60 | 238.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,353 | 100 | 1,253.0% |
| 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 | 150 | -100.0% |
| PETRO CRCKS & SPRDS ASIA | STI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 182 | -100.0% |
| PETRO CRCKS & SPRDS ASIA | STR | 0 | 0 | 0.0% | 0 | 0 | 0 | 300 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 400 | 264 | 51.5% |
| PETRO CRCKS & SPRDS ASIA | STS | 0 | 0 | 0.0% | 0 | 0 | 0 | 30 | 378 | -92.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 539 | 1,688 | -68.1% |
| PETRO CRCKS & SPRDS NA | CRB | 0 | 0 | 0.0% | 0 | 0 | 0 | 6,935 | 350 | 1,881.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 29,825 | 2,780 | 972.8% |
| PETRO CRCKS & SPRDS NA | EXR | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,897 | 2,090 | -9.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 31,209 | 27,091 | 15.2% |
| PETRO CRCKS & SPRDS NA | FOC | 0 | 0 | 0.0% | 0 | 0 | 0 | 200 | 150 | 33.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,975 | 7,203 | -3.2% |
| PETRO CRCKS & SPRDS NA | GBB | 0 | 0 | 0.0% | 0 | 0 | 0 | 440 | 1,275 | -65.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12,725 | 12,903 | -1.4% |
| PETRO CRCKS & SPRDS NA | GCC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,740 | 1,310 | 32.8% |
| PETRO CRCKS & SPRDS NA | GCI | 0 | 0 | 0.0% | 0 | 0 | 0 | 539 | 350 | 54.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 14,600 | 10,598 | 37.8% |
| PETRO CRCKS & SPRDS NA | GCM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 163 | 59 | 176.3% |
| PETRO CRCKS & SPRDS NA | GCU | 0 | 0 | 0.0% | 0 | 0 | 0 | 6,359 | 9,956 | -36.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 122,174 | 65,632 | 86.2% |
| PETRO CRCKS & SPRDS NA | GFC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 40 | 535 | -92.5% |
| PETRO CRCKS & SPRDS NA | HOB | 0 | 0 | 0.0% | 0 | 0 | 0 | 453 | 3,207 | -85.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 9,122 | 32,936 | -72.3% |
| PETRO CRCKS & SPRDS NA | KSD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 75 | -100.0% |
| PETRO CRCKS & SPRDS NA | MFR | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | NFG | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 50 | 109 | -54.1% |
| PETRO CRCKS & SPRDS NA | NYF | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1,125 | -100.0% |
| PETRO CRCKS & SPRDS NA | NYH | 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 NA | RBB | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,315 | 6,552 | -49.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 57,610 | 84,679 | -32.0% |
| PETRO CRCKS & SPRDS NA | RVG | 0 | 0 | 0.0% | 0 | 0 | 0 | 14,599 | 15,915 | -8.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 174,729 | 173,227 | 0.9% |
| PETRO CRCKS & SPRDS NA | SF3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 25 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 346 | 15 | 2,206.7% |
| PETRO CRK&SPRD EURO | 1NB | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,625 | 645 | 151.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 19,716 | 13,219 | 49.1% |
| PETRO CRK&SPRD EURO | 1ND | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 425 | -76.5% |
| PETRO CRK&SPRD EURO | 43 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 141 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,414 | 3,496 | -2.3% |
| PETRO CRK&SPRD EURO | BFR | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | BOB | 0 | 0 | 0.0% | 0 | 0 | 0 | 980 | 1,325 | -26.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 17,716 | 19,524 | -9.3% |
| PETRO CRK&SPRD EURO | EGB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 5 | -100.0% |
| PETRO CRK&SPRD EURO | EGN | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 18 | -100.0% |

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| | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|-------------------------|-----|-------------------------------|-------------------------------|----------|---------------------|------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| PETRO CRK&SPRD EURO | EOB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 222 | 127 | 74.8% |
| PETRO CRK&SPRD EURO | EPN | 0 | 0 | 0.0% | 0 | 0 | 0 | 693 | 1,099 | -36.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 10,486 | 5,759 | 82.1% |
| PETRO CRK&SPRD EURO | EVC | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,138 | 3,454 | -67.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 21,132 | 26,811 | -21.2% |
| PETRO CRK&SPRD EURO | FBT | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETRO CRK&SPRD EURO | FVB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 30 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | GCB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 680 | 739 | -8.0% |
| PETRO CRK&SPRD EURO | GOC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 84 | 120 | -30.0% |
| PETRO CRK&SPRD EURO | MGB | 0 | 0 | 0.0% | 0 | 0 | 0 | 110 | 80 | 37.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 220 | 150 | 46.7% |
| PETRO CRK&SPRD EURO | MUD | 0 | 0 | 0.0% | 0 | 0 | 0 | 10 | 10 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 173 | 898 | -80.7% |
| PETRO CRK&SPRD EURO | NBB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 182 | 134 | 35.8% |
| PETRO CRK&SPRD EURO | NOB | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,271 | 1,125 | 101.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 20,710 | 11,950 | 73.3% |
| PETRO CRK&SPRD EURO | SFB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 125 | 178 | -29.8% |
| PETROLEUM PRODUCTS | D46 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETROLEUM PRODUCTS | EWB | 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 | EWG | 0 | 0 | 0.0% | 0 | 0 | 0 | 4,382 | 5,425 | -19.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 55,601 | 30,049 | 85.0% |
| PETROLEUM PRODUCTS | MBS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 80 | -100.0% |
| PETROLEUM PRODUCTS | MGS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 20 | -100.0% |
| PETROLEUM PRODUCTS | MHE | - | 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 | 30 | 30 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 60 | 50 | 20.0% |
| PETROLEUM PRODUCTS | MPE | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 100 | -100.0% |
| PETROLEUM PRODUCTS | VU | 0 | 0 | 0.0% | 0 | 0 | 0 | 295 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,339 | 3,014 | -55.6% |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 20 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 714 | 242 | 195.0% |
| PETROLEUM PRODUCTS ASIA | MJN | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,265 | 1,022 | 121.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 21,300 | 19,395 | 9.8% |
| PETROLEUM PRODUCTS ASIA | MSB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 45 | -100.0% |
| PETRO OUTRIGHT EURO | OB | 0 | 0 | 0.0% | 0 | 0 | 0 | 40 | 50 | -20.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 124 | 163 | -23.9% |
| PETRO OUTRIGHT EURO | OC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 40 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 23 | 70 | -67.1% |
| PETRO OUTRIGHT EURO | OD | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,491 | 1,804 | -17.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 14,592 | 25,276 | -42.3% |
| PETRO OUTRIGHT EURO | OE | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 8 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 238 | 4,104 | -94.2% |
| PETRO OUTRIGHT EURO | OF | 0 | 0 | 0.0% | 0 | 0 | 0 | 444 | 433 | 2.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,575 | 11,273 | -50.5% |
| PETRO OUTRIGHT EURO | 1T | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 39 | 102 | -61.8% |
| PETRO OUTRIGHT EURO | 33 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 80 | -100.0% |
| PETRO OUTRIGHT EURO | 5L | 0 | 0 | 0.0% | 0 | 0 | 0 | 40 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 264 | 709 | -62.8% |
| PETRO OUTRIGHT EURO | 63 | 0 | 0 | 0.0% | 0 | 0 | 0 | 40 | 10 | 300.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 217 | 777 | -72.1% |
| PETRO OUTRIGHT EURO | 6L | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 7 | -100.0% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| | Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|----------|------------------------|------------------------|-------|-----------------|-----------------|-------|--------------------------|--------------------------|----------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| PETRO OUTRIGHT EURO | 7I | 0 | 0 | 0.0% | 0 | 0 | 0 | 74 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,235 | 1,157 | 6.7% |
| PETRO OUTRIGHT EURO | 7R | 0 | 0 | 0.0% | 0 | 0 | 0 | 73 | 145 | -49.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,006 | 2,505 | 20.0% |
| PETRO OUTRIGHT EURO | 88 | 0 | 0 | 0.0% | 0 | 0 | 0 | 20 | 15 | 33.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 125 | 75 | 66.7% |
| PETRO OUTRIGHT EURO | CBB | 0 | 0 | 0.0% | 0 | 0 | 0 | 25 | 10 | 150.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 80 | 52 | 53.8% |
| PETRO OUTRIGHT EURO | CGB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| PETRO OUTRIGHT EURO | CPB | 0 | 0 | 0.0% | 0 | 0 | 0 | 127 | 5 | 2,440.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,453 | 2,853 | 21.0% |
| PETRO OUTRIGHT EURO | EFF | 0 | 0 | 0.0% | 0 | 0 | 0 | 21 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 185 | 310 | -40.3% |
| PETRO OUTRIGHT EURO | EFM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 453 | -100.0% |
| PETRO OUTRIGHT EURO | ENS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 145 | 180 | -19.4% |
| PETRO OUTRIGHT EURO | ESB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 69 | -100.0% |
| PETRO OUTRIGHT EURO | EWN | 0 | 0 | 0.0% | 0 | 0 | 0 | 719 | 385 | 86.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 7,862 | 7,491 | 5.0% |
| PETRO OUTRIGHT EURO | FBD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 20 | -100.0% |
| PETRO OUTRIGHT EURO | FLB | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 5 | - | - |
| PETRO OUTRIGHT EURO | GES | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 5 | - | - |
| PETRO OUTRIGHT EURO | MBB | 0 | 0 | 0.0% | 0 | 0 | 0 | 50 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 321 | 550 | -41.6% |
| PETRO OUTRIGHT EURO | MBN | 0 | 0 | 0.0% | 0 | 0 | 0 | 150 | 595 | -74.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 9,117 | 11,086 | -17.8% |
| PETRO OUTRIGHT EURO | MEF | 0 | - | - | 0 | - | | 361 | - | - | 0 | - | - | 0 | - | - | 1,500 | - | - |
| PETRO OUTRIGHT EURO | SMU | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 553 | 40 | 1,282.5% |
| PETRO OUTRIGHT EURO | T0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 9 | 164 | -94.5% |
| PETRO OUTRIGHT EURO | ULB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 375 | -100.0% |
| PETRO OUTRIGHT EURO | V0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 980 | 150 | 553.3% |
| PETRO OUTRIGHT EURO | W0 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETRO OUTRIGHT EURO | X0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 116 | 0 | 0.0% |
| PETRO OUTRIGHT NA | FCB | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 808 | 1,836 | -56.0% |
| PETRO OUTRIGHT NA | FOM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 8 | 50 | -84.0% |
| PETRO OUTRIGHT NA | GBA | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PETRO OUTRIGHT NA | GUD | - | 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 | 42 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 111 | 420 | -73.6% |
| PETRO OUTRIGHT NA | JET | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,965 | 2,726 | -27.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 33,390 | 44,086 | -24.3% |
| PETRO OUTRIGHT NA | JTB | 0 | 0 | 0.0% | 0 | 0 | 0 | 900 | 375 | 140.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 7,550 | 3,813 | 98.0% |
| PETRO OUTRIGHT NA | MBL | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 40 | 266 | -85.0% |
| PETRO OUTRIGHT NA | MEN | 0 | 0 | 0.0% | 0 | 0 | 0 | 373 | 591 | -36.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,752 | 6,548 | -27.4% |
| PETRO OUTRIGHT NA | MEO | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,497 | 2,753 | -9.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 38,503 | 91,604 | -58.0% |
| PETRO OUTRIGHT NA | MFD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 203 | -50.7% |

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| | | Open | Open | | ELEC | ELEC | % | CME | CME | % | Open | Open | % | ELEC | ELEC | % | CME | CME | |
|---------------------------|-----|-----------------|-----------------|-------|----------|----------|-----|--------------------|--------------------|---------|-------------------|-------------------|------|------------|------------|------|----------------------|----------------------|---------|
| Commodity Indicator | | Outcry NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| PETRO OUTRIGHT NA | MMF | 0 | 0 | 0.0% | 0 | 0 | 0 | 27 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 220 | 510 | -56.9% |
| PETRO OUTRIGHT NA | NYT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 625 | -100.0% |
| PETRO OUTRIGHT NA | XER | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 300 | 0 | 0.0% |
| PJM AD HUB 5MW REAL TIME | V3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 23,360 | 14,880 | 57.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 64,757 | 288,349 | -77.5% |
| PJM AD HUB 5MW REAL TIME | Z9 | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,285 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 14,358 | 22,831 | -37.1% |
| PJM AECO DA OFF-PEAK | X1 | 0 | 0 | 0.0% | 0 | 0 | 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 | 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 | 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 | 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 | 46,800 | -100.0% |
| PJM ATSI ELEC | MPD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 2,550 | -100.0% |
| 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 | 85,390 | -100.0% |
| 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 | 4,675 | -100.0% |
| 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 | 211,995 | -100.0% |
| 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 | 5,250 | -100.0% |
| PJM JCPL DA OFF-PEAK | F2 | 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 PEAK | J2 | 0 | 0 | 0.0% | 0 | 0 | 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 | 0 | 200 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,380 | 79,300 | -92.0% |
| PJM NI HUB 5MW REAL TIME | B6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 19,120 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,925 | 1,719,650 | -99.7% |
| PJM NILL DA OFF-PEAK | L3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,944 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 770 | 689,738 | -99.9% |
| PJM NILL DA PEAK | N3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 160 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 64 | 39,492 | -99.8% |
| 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 | 2,960 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,960 | 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 | 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 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA OFF-PEAK | W6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 55,380 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 78,780 | 0 | 0.0% |
| PJM PSEG DA PEAK | L6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,960 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,235 | 0 | 0.0% |
| PJM WES HUB PEAK LMP 50 M | 4S | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| PJM WESTH DA OFF-PEAK | E4 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 101,810 | 54,300 | 87.5% |
| PJM WESTHDA PEAK | J4 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,525 | 8,620 | -35.9% |
| PJM WESTH RT OFF-PEAK | N9 | 0 | 0 | 0.0% | 0 | 0 | 0 | 23,360 | 27,120 | -13.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 372,480 | 2,185,415 | -83.0% |

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| | Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|----------------|------------------------|-------------------------------|-------------------------------|----------|---------------------|------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| | L1 | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,799 | 4,600 | -60.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 60,990 | 208,591 | -70.8% |
| | PGP | 0 | 0 | 0.0% | 0 | 0 | 0 | 709 | 270 | 162.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,023 | 5,984 | -16.1% |
| | 3G | 0 | 0 | 0.0% | 0 | 0 | 0 | 446 | 193 | 131.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,838 | 864 | 228.5% |
| | 8G | 0 | 0 | 0.0% | 0 | 0 | 0 | 5 | 10 | -50.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 443 | 162 | 173.5% |
| | 7N | 0 | 0 | 0.0% | 0 | 0 | 0 | 3 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 83 | 7 | 1,085.7% |
| | 7L | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 326 | 37 | 781.1% |
| | 1S | 0 | 0 | 0.0% | 0 | 0 | 0 | 7 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,196 | 4,927 | 5.5% |
| | 1R | 0 | 0 | 0.0% | 0 | 0 | 0 | 12,383 | 9,825 | 26.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 139,177 | 78,535 | 77.2% |
| | RL | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,612 | 7,924 | -54.4% | 0 | 0 | 0.0% | 0 | 5 | -100.0% | 62,151 | 79,933 | -22.2% |
| | RM | 0 | 0 | 0.0% | 0 | 0 | 0 | 55 | 650 | -91.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 9,583 | 10,807 | -11.3% |
| | 1E | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| | 1D | 0 | 0 | 0.0% | 0 | 0 | 0 | 396 | 815 | -51.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 11,178 | 10,365 | 7.8% |
| | RBL | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| | RY | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| | RI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| | RV | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| | RH | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 200 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,975 | 17,070 | -88.4% |
| | IR | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| | NJ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 58 | 2,254 | -97.4% |
| | XX | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 360 | - | - |
| | BS | 0 | 0 | 0.0% | 0 | 0 | 0 | 10 | 110 | -90.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 483 | 682 | -29.2% |
| | BT | 0 | 0 | 0.0% | 0 | 0 | 0 | 93 | 373 | -75.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,294 | 2,528 | -9.3% |
| | SE | 0 | 0 | 0.0% | 0 | 0 | 0 | 7,770 | 8,298 | -6.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 91,963 | 105,852 | -13.1% |
| | UA | 0 | 0 | 0.0% | 0 | 0 | 0 | 426 | 849 | -49.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 8,482 | 11,375 | -25.4% |
| | SD | 0 | 0 | 0.0% | 0 | 0 | 0 | 175 | 145 | 20.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,186 | 6,943 | -10.9% |
| | MAF | 0 | - | - | 0 | - | | 747 | - | - | 0 | - | - | 0 | - | - | 2,053 | - | - |
| | MTB | 0 | 0 | 0.0% | 0 | 0 | 0 | 48 | 30 | 60.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 554 | 1,520 | -63.6% |
| | MTS | 0 | 0 | 0.0% | 0 | 0 | 0 | 5,698 | 4,382 | 30.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 52,920 | 52,537 | 0.7% |
| | STL | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| | STZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,300 | 800 | 437.5% |
| | GDH | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 50 | - | - |
| | GDL | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 250 | - | - |
| | GHS | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - |
| | MGO | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 200 | - | - |

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| | | Open | Open | | ELEC | ELEC | % | CME | CME | % | Open | Open | % | ELEC | ELEC | % | CME | CME | |
|----------------------------|-----|-----------------|-----------------|-------|----------|----------|-----|--------------------|--------------------|----------|-------------------|-------------------|------|------------|------------|--------|----------------------|----------------------|-----------|
| Commodity Indicator | | Outcry NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| SINGAPORE GASOIL CALEND | MSG | 0 | 0 | 0.0% | 0 | 0 | 0 | 130 | 493 | -73.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,882 | 3,153 | 54.8% |
| SINGAPORE GASOIL CALEND | SGG | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 325 | - | - |
| SINGAPORE GASOIL SWAP | SG | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,585 | 1,163 | 36.3% | 0 | 0 | 0.0% | 2 | 36 | -94.4% | 47,257 | 89,033 | -46.9% |
| SINGAPORE GASOIL VS ICE | GA | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,403 | 40 | 5,907.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 128,813 | 70,169 | 83.6% |
| 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 | 536 | -59.9% |
| SINGAPORE JET KERO GASOIL | RK | 0 | 0 | 0.0% | 0 | 0 | 0 | 675 | 225 | 200.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 34,820 | 18,310 | 90.2% |
| SINGAPORE JET KEROSENE S | KS | 0 | 0 | 0.0% | 0 | 0 | 0 | 275 | 350 | -21.4% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 13,275 | 12,979 | 2.3% |
| SINGAPORE JET KERO VS. GAS | Z0 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 400 | 50 | 700.0% |
| SINGAPORE MOGAS 92 UNLEA | 1P | 0 | 0 | 0.0% | 0 | 0 | 0 | 50 | 265 | -81.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,771 | 1,796 | 221.3% |
| SINGAPORE MOGAS 92 UNLEA | 1N | 0 | 0 | 0.0% | 0 | 0 | 0 | 14,066 | 9,249 | 52.1% | 0 | 0 | 0.0% | 2 | 5 | -60.0% | 151,952 | 81,956 | 85.4% |
| SINGAPORE NAPHTHA BALMO | KU | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| SINGAPORE NAPHTHA SWAP | SP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 200 | - | - |
| SING FUEL | MSD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 50 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 120 | -16.7% |
| SOCAL PIPE SWAP | XN | 0 | 0 | 0.0% | 0 | 0 | 0 | 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 | 0 | 0.0% | 0 | 0 | 0.0% |
| SOUTHERN NAT LA NAT GAS | M8 | - | 0 | 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 | 0.0% |
| Sumas Basis Swap | NK | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 91 | 6,238 | -98.5% |
| SUMAS NAT GAS PLATTS FIXE | DVS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 306 | -100.0% |
| TC2 ROTTERDAM TO USAC 37K | TM | 0 | 0 | 0.0% | 0 | 0 | 0 | 195 | 80 | 143.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,052 | 80 | 1,215.0% |
| TC5 RAS TANURA TO YOKOHA | TH | 0 | 0 | 0.0% | 0 | 0 | 0 | 160 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,185 | 0 | 0.0% |
| TCO BASIS SWAP | TC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 667 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 8,949 | -100.0% |
| TCO NG INDEX SWAP | Q1 | 0 | 0 | 0.0% | 0 | 0 | 0 | 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 | 5,110 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 17,546 | 30 | 58,386.7% |
| TENN 800 LEG NAT GAS INDE | L4 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| TENNESSEE 500 LEG BASIS S | NM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 428 | -100.0% |
| TENNESSEE 800 LEG NG BASI | 6Z | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 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 | 484 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 484 | -100.0% |
| TETCO M-3 INDEX | IX | 0 | 0 | 0.0% | 0 | 0 | 0 | 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 | 0.0% |
| TEXAS EASTERN ZONE M-3 BA | NX | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 908 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 9,512 | -100.0% |
| 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 | 0.0% |
| 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 | 302 | -100.0% |
| TRANSCO ZONE 3 NG INDEX S | Y6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 6,256 | -100.0% |

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|---------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|----------|------------------------|------------------------|-------|-----------------|-----------------|--------|--------------------------|--------------------------|---------|
| Energy Futures | | | | | | | | | | | | | | | | | | | |
| 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 | 13,239 | -100.0% |
| TRANSCO ZONE 4 NAT GAS IN | B2 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 465 | -100.0% |
| TRANSCO ZONE 6 BASIS SWAP | NZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 856 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 3,726 | -100.0% |
| TRANSCO ZONE 6 INDEX | IT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 856 | -100.0% |
| UCM FUT | UCM | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 30 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 60 | 295 | -79.7% |
| ULSD 10PPM CIF MED BALMO | X7 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| ULSD 10PPM CIF MED SWAP | Z6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 30 | -100.0% |
| ULSD 10PPM CIF MED VS ICE | Z7 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 15 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 14 | 81 | -82.7% |
| ULSD 10PPM CIF NW BALMO S | B1 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 6 | -100.0% |
| ULSD 10PPM CIF VS ICE GAS | 7V | - | 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 | 7,971 | 6,771 | 17.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 64,075 | 53,463 | 19.8% |
| UP DOWN GC ULSD VS NMX H | LT | 0 | 0 | 0.0% | 0 | 0 | 0 | 35,075 | 41,802 | -16.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 362,695 | 516,471 | -29.8% |
| USGC UNL 87 CRACK SPREAD | RU | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| WAHA BASIS | NW | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,201 | 6,064 | -47.2% |
| WAHA INDEX SWAP FUTURE | IY | 0 | 0 | 0.0% | 0 | 0 | 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 | 120 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 25 | 2,520 | -99.0% |
| WTI-BRENT BULLET SWAP | BY | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,650 | 904 | 635.6% |
| WTI-BRENT CALENDAR SWAP | BK | 0 | 0 | 0.0% | 0 | 0 | 0 | 18,361 | 38,056 | -51.8% | 0 | 0 | 0.0% | 6 | 120 | -95.0% | 333,505 | 209,302 | 59.3% |
| WTI CALENDAR | CS | 0 | 0 | 0.0% | 0 | 0 | 0 | 37,140 | 37,055 | 0.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 373,579 | 405,892 | -8.0% |
| WTS (ARGUS) VS WTI SWAP | FF | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,138 | 6,022 | -47.9% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 88,728 | 59,192 | 49.9% |
| WTS (ARGUS) VS WTI TRD MT | FH | 0 | 0 | 0.0% | 0 | 0 | 0 | 120 | 1,626 | -92.6% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,225 | 9,936 | -37.3% |
| Energy Options | | | | | | | | | | | | | | | | | | | |
| 12 MO GASOIL CAL SWAP SPR | GXZ | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 200 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 830 | -100.0% |
| 1 MO GASOIL CAL SWAP SPR | GXA | - | 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 | - | - | 3,000 | - | - |
| BRENT CALENDAR SWAP | BA | 0 | 0 | 0.0% | 12 | 0 | 0 | 274 | 0 | 0.0% | 0 | 0 | 0.0% | 24 | 0 | 0.0% | 13,438 | 5,347 | 151.3% |
| 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% | 2,000 | 2,000 | 0.0% |
| BRENT CRUDE OIL 1 M CSO | 9C | 0 | - | - | 100 | - | - | 500 | - | - | 0 | - | - | 3,000 | - | - | 408,088 | - | - |
| BRENT CRUDE OIL 6 M CSO | 9L | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - | 1,000 | - | - |
| BRENT OIL LAST DAY | BE | 0 | 0 | 0.0% | 0 | 0 | 0 | 104,456 | 1,709 | 6,012.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 404,176 | 37,281 | 984.1% |
| BRENT OIL LAST DAY | BZO | 0 | 0 | 0.0% | 126,936 | 26,233 | 3.84 | 54,150 | 42,207 | 28.3% | 0 | 0 | 0.0% | 804,459 | 129,419 | 521.6% | 1,064,258 | 336,835 | 216.0% |

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|----------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|----------|--------------------------|--------------------------|---------|
| Energy Options | | | | | | | | | | | | | | | | | | | |
| BRENT OIL LAST DAY | OS | 0 | 0 | 0.0% | 0 | 48 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 190 | 192 | -1.0% | 1,000 | 3,700 | -73.0% |
| COAL API2 INDEX | CLA | 0 | 0 | 0.0% | 0 | 0 | 0 | 165 | 325 | -49.2% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,590 | 10,208 | -35.4% |
| COAL API2 INDEX | CQA | 0 | 0 | 0.0% | 0 | 0 | 0 | 175 | 20 | 775.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,655 | 775 | 371.6% |
| COAL API2 INDEX | MTC | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 50 | -100.0% |
| COAL API4 INDEX | RLA | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 25 | 0 | 0.0% |
| COAL API4 INDEX | RQA | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 30 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 60 | 30 | 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 | 180 | -100.0% |
| COAL SWAP | RPF | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 605 | -100.0% |
| CRUDE OIL 1MO | WA | 0 | 0 | 0.0% | 37,230 | 62,490 | -0.4 | 166,015 | 156,650 | 6.0% | 0 | 0 | 0.0% | 188,985 | 385,190 | -50.9% | 2,042,165 | 1,594,989 | 28.0% |
| CRUDE OIL APO | AO | 0 | 0 | 0.0% | 5 | 65 | -0.92 | 53,097 | 65,300 | -18.7% | 0 | 0 | 0.0% | 336 | 135 | 148.9% | 486,562 | 545,083 | -10.7% |
| CRUDE OIL CALNDR STRIP | 6F | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 170 | - | - |
| CRUDE OIL OUTRIGHTS | AH | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 8,000 | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | DBP | 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 | WCI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 390 | 11,770 | -96.7% |
| CRUDE OIL PHY | CD | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 2,140 | -100.0% | 0 | 0 | 0.0% | 0 | 25 | -100.0% | 20,850 | 31,235 | -33.2% |
| CRUDE OIL PHY | LC | 0 | 0 | 0.0% | 0 | 0 | 0 | 24,764 | 15,815 | 56.6% | 0 | 0 | 0.0% | 724 | 13 | 5,469.2% | 128,251 | 248,629 | -48.4% |
| CRUDE OIL PHY | LO | 0 | 0 | 0.0% | 4,712,119 | 3,320,547 | 0.42 | 1,141,431 | 702,319 | 62.5% | 0 | 0 | 0.0% | 33,798,750 | 32,397,260 | 4.3% | 7,496,204 | 8,166,309 | -8.2% |
| CRUDE OIL PHY | LO1 | 0 | 0 | 0.0% | 11,326 | 16,401 | -0.31 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 169,105 | 159,009 | 6.3% | 483 | 750 | -35.6% |
| CRUDE OIL PHY | LO2 | 0 | 0 | 0.0% | 20,248 | 26,199 | -0.23 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 178,384 | 149,782 | 19.1% | 450 | 250 | 80.0% |
| CRUDE OIL PHY | LO3 | 0 | 0 | 0.0% | 28,426 | 13,257 | 1.14 | 0 | 50 | -100.0% | 0 | 0 | 0.0% | 134,768 | 95,792 | 40.7% | 325 | 250 | 30.0% |
| CRUDE OIL PHY | LO4 | 0 | 0 | 0.0% | 24,112 | 17,281 | 0.4 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 183,252 | 179,251 | 2.2% | 350 | 300 | 16.7% |
| CRUDE OIL PHY | LO5 | 0 | 0 | 0.0% | 21,680 | 0 | 0 | 250 | 0 | 0.0% | 0 | 0 | 0.0% | 71,160 | 53,239 | 33.7% | 475 | 250 | 90.0% |
| ELEC FINSETTLED | PML | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| ELEC MISO PEAK | 9T | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 820 | -100.0% |
| ETHANOL | CE1 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 275 | 75 | 266.7% |
| ETHANOL | CE3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 150 | 325 | -53.8% |
| ETHANOL SWAP | CVR | 0 | 0 | 0.0% | 0 | 0 | 0 | 3,155 | 10,218 | -69.1% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 66,358 | 67,303 | -1.4% |
| ETHANOL SWAP | GVR | 0 | 0 | 0.0% | 0 | 0 | 0 | 375 | 78 | 380.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,493 | 1,658 | 110.7% |
| EURO-DENOMINATED PETRO P | NWE | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| EUROPEAN JET KEROSENE N | 30 | 0 | 0 | 0.0% | 0 | 0 | 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 | 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 | 0.0% | 0 | 100 | -100.0% |
| HEATING OIL CRK SPD AVG PR | 3W | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% |
| HEATING OIL PHY | LB | 0 | 0 | 0.0% | 0 | 0 | 0 | 699 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 8 | -100.0% | 1,719 | 2,720 | -36.8% |

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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 | % | NOV | NOV | CHG | ClearPort | ClearPort | CHG | Outcry | Outcry | CHG | Y.T.D | Y.T.D | CHG | ClearPort | ClearPort | % |
| Indicator | | NOV | NOV | | 2018 | 2017 | | NOV | NOV | | Y.T.D | Y.T.D | | 2018 | 2017 | | Y.T.D | Y.T.D | |
| | | 2018 | 2017 | | | | | 2018 | 2017 | | 2018 | 2017 | | | | | 2018 | 2017 | % |
| Energy Options | | | | | | | | | | | | | | | | | | | |
| HEATING OIL PHY | OH | 0 | 0 | 0.0% | 7,385 | 4,252 | 0.74 | 47,086 | 30,036 | 56.8% | 0 | 0 | 0.0% | 58,392 | 53,911 | 8.3% | 291,086 | 302,914 | -3.9% |
| HENRY HUB FINANCIAL LAST | E7 | 0 | 0 | 0.0% | 0 | 0 | 0 | 4,073 | 2,722 | 49.6% | 0 | 0 | 0.0% | 5 | 0 | 0.0% | 48,003 | 41,398 | 16.0% |
| HO 1 MONTH CLNDR OPTIONS | FA | 0 | 0 | 0.0% | 0 | 0 | 0 | 2,500 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,600 | 1,700 | 52.9% |
| HUSTN SHIP CHNL PIPE SWP | PK | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| LLS CRUDE OIL | WJO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,800 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 6,900 | -98.6% |
| LLS CRUDE OIL | YVO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 3,750 | -100.0% |
| MCCLOSKY ARA ARGS COAL | MTO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 150 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 290 | 1,600 | -81.9% |
| MCCLOSKY RCH BAY COAL | MFO | 0 | 0 | 0.0% | 0 | 0 | 0 | 70 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,145 | 0 | 0.0% |
| NATURAL GAS | G10 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 450 | -100.0% |
| NATURAL GAS 1 M CSO FIN | G4 | 0 | 0 | 0.0% | 250 | 0 | 0 | 122,900 | 42,765 | 187.4% | 0 | 0 | 0.0% | 2,629 | 3,920 | -32.9% | 489,641 | 427,074 | 14.7% |
| NATURAL GAS 2 M CSO FIN | G2 | 0 | 0 | 0.0% | 0 | 0 | 0 | 30 | 2,000 | -98.5% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,430 | 11,550 | -87.6% |
| NATURAL GAS 3 M CSO FIN | G3 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 26,000 | -100.0% | 0 | 0 | 0.0% | 1 | 0 | 0.0% | 44,245 | 146,425 | -69.8% |
| NATURAL GAS 5 M CSO FIN | G5 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,550 | 4,050 | -37.0% |
| NATURAL GAS 6 M CSO FIN | G6 | 0 | 0 | 0.0% | 0 | 0 | 0 | 12,100 | 6,600 | 83.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 96,500 | 57,270 | 68.5% |
| NATURAL GAS OPTION ON CAL | 6J | 0 | 0 | 0.0% | 0 | 0 | 0 | 6,660 | 2,900 | 129.7% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 34,302 | 12,670 | 170.7% |
| NATURAL GAS PHY | KD | 0 | 0 | 0.0% | 2,290 | 37,557 | -0.94 | 3,750 | 15,230 | -75.4% | 0 | 0 | 0.0% | 123,504 | 135,512 | -8.9% | 78,085 | 320,305 | -75.6% |
| NATURAL GAS PHY | LN | 0 | 0 | 0.0% | 1,822,630 | 1,669,852 | 0.09 | 1,145,449 | 1,088,805 | 5.2% | 0 | 0 | 0.0% | 12,981,852 | 11,941,723 | 8.7% | 8,146,196 | 12,979,849 | -37.2% |
| NATURAL GAS PHY | ON | 0 | 0 | 0.0% | 357,252 | 255,081 | 0.4 | 63,148 | 7,862 | 703.2% | 0 | 0 | 0.0% | 2,079,227 | 2,145,533 | -3.1% | 155,736 | 78,922 | 97.3% |
| NATURAL GAS PHY | ON1 | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| NATURAL GAS WINTER STRIP | 6I | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 0 | - | - | 2,700 | - | - |
| NG HH 3 MONTH CAL | IC | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| N ROCKIES PIPE SWAP | ZR | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,540 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,556 | 4,030 | -11.8% |
| NY HARBOR HEAT OIL SWP | AT | 0 | 0 | 0.0% | 44 | 26 | 0.69 | 5,965 | 2,847 | 109.5% | 0 | 0 | 0.0% | 602 | 509 | 18.3% | 31,500 | 34,870 | -9.7% |
| 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 | 19,830 | -100.0% |
| NYMEX EUROPEAN GASOIL AP | F7 | 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 OP | F8 | - | 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 | 8,640 | -100.0% |
| PETROCHEMICALS | 4H | 0 | 0 | 0.0% | 0 | 8 | -1 | 10 | 635 | -98.4% | 0 | 0 | 0.0% | 23 | 16 | 43.8% | 6,639 | 8,361 | -20.6% |
| PETROCHEMICALS | 4J | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,350 | 2,945 | -54.2% |
| PETROCHEMICALS | 4K | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,300 | 1,200 | 175.0% |
| PETROCHEMICALS | CPR | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 18 | -100.0% |
| PETRO OUTRIGHT EURO | 8H | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 300 | -100.0% |
| PETRO OUTRIGHT NA | DAP | 0 | 0 | 0.0% | 0 | 0 | 0 | 360 | 72 | 400.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 552 | 72 | 666.7% |
| PJM MONTHLY | JO | - | 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 NOV 2018 | Outcry NOV 2017 | % CHG | NOV 2018 | NOV 2017 | CHG | ClearPort NOV 2018 | ClearPort NOV 2017 | CHG | Outcry Y.T.D 2018 | Outcry Y.T.D 2017 | CHG | Y.T.D 2018 | Y.T.D 2017 | CHG | ClearPort Y.T.D 2018 | ClearPort Y.T.D 2017 | % CHG |
| Energy Options | | | | | | | | | | | | | | | | | | | |
| PJM WES HUB PEAK CAL MTH | 6OA | 0 | 0 | 0.0% | 0 | 0 | 0 | 80 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 800 | 3,960 | -79.8% |
| 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% | 880 | 0 | 0.0% |
| PJM WES HUB PEAK LMP 50MW | PMA | 0 | 0 | 0.0% | 0 | 0 | 0 | 84 | 788 | -89.3% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 7,488 | 13,817 | -45.8% |
| RBOB 1MO CAL SPD OPTIONS | ZA | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,200 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 700 | 6,708 | -89.6% |
| RBOB CALENDAR SWAP | RA | 0 | 0 | 0.0% | 0 | 0 | 0 | 75 | 50 | 50.0% | 0 | 0 | 0.0% | 0 | 10 | -100.0% | 1,125 | 2,855 | -60.6% |
| RBOB CRACK | RX | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - | 2 | - | - | 0 | - | - |
| RBOB PHY | OB | 0 | 0 | 0.0% | 2,901 | 6,740 | -0.57 | 11,775 | 6,925 | 70.0% | 0 | 0 | 0.0% | 36,662 | 75,996 | -51.8% | 99,462 | 206,761 | -51.9% |
| RBOB PHY | RF | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 175 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 125 | 1,335 | -90.6% |
| 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 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,149 | 3,240 | -33.7% |
| SHORT TERM | C15 | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - | 0 | - | - | 500 | - | - |
| SHORT TERM | U11 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 111 | 30 | 270.0% | 1,125 | 5,940 | -81.1% |
| SHORT TERM | U12 | 0 | 0 | 0.0% | 0 | 0 | 0 | 800 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 0 | 0.0% | 1,800 | 4,604 | -60.9% |
| SHORT TERM | U13 | 0 | 0 | 0.0% | 0 | 52 | -1 | 100 | 1,350 | -92.6% | 0 | 0 | 0.0% | 0 | 124 | -100.0% | 500 | 3,835 | -87.0% |
| SHORT TERM | U14 | 0 | 0 | 0.0% | 0 | 225 | -1 | 0 | 50 | -100.0% | 0 | 0 | 0.0% | 13 | 225 | -94.2% | 850 | 3,405 | -75.0% |
| SHORT TERM | U15 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 500 | -100.0% | 0 | 0 | 0.0% | 147 | 25 | 488.0% | 650 | 5,200 | -87.5% |
| SHORT TERM | U22 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 100 | -100.0% | 0 | 0 | 0.0% | 96 | 25 | 284.0% | 1,175 | 2,957 | -60.3% |
| SHORT TERM | U23 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 148 | 100 | 48.0% | 750 | 1,572 | -52.3% |
| SHORT TERM | U24 | 0 | 0 | 0.0% | 0 | 5 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 379 | 5 | 7,480.0% | 500 | 3,220 | -84.5% |
| SHORT TERM | U25 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2 | 0 | 0.0% | 150 | 940 | -84.0% |
| SHORT TERM | U26 | 0 | 0 | 0.0% | 0 | 0 | 0 | 200 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 600 | 292 | 105.5% |
| SHORT TERM NATURAL GAS | U01 | 0 | 0 | 0.0% | 0 | 201 | -1 | 0 | 200 | -100.0% | 0 | 0 | 0.0% | 0 | 201 | -100.0% | 550 | 3,515 | -84.4% |
| SHORT TERM NATURAL GAS | U02 | 0 | 0 | 0.0% | 0 | 100 | -1 | 0 | 375 | -100.0% | 0 | 0 | 0.0% | 98 | 158 | -38.0% | 2,700 | 3,800 | -28.9% |
| SHORT TERM NATURAL GAS | U03 | 0 | 0 | 0.0% | 0 | 53 | -1 | 750 | 0 | 0.0% | 0 | 0 | 0.0% | 54 | 53 | 1.9% | 2,225 | 2,220 | 0.2% |
| SHORT TERM NATURAL GAS | U04 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 125 | 0 | 0.0% | 1,850 | 1,170 | 58.1% |
| SHORT TERM NATURAL GAS | U05 | 0 | 0 | 0.0% | 0 | 0 | 0 | 200 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 35 | 185.7% | 1,530 | 10,105 | -84.9% |
| SHORT TERM NATURAL GAS | U06 | 0 | 0 | 0.0% | 0 | 100 | -1 | 0 | 525 | -100.0% | 0 | 0 | 0.0% | 50 | 285 | -82.5% | 1,450 | 8,385 | -82.7% |
| SHORT TERM NATURAL GAS | U07 | 0 | 0 | 0.0% | 0 | 115 | -1 | 250 | 100 | 150.0% | 0 | 0 | 0.0% | 1 | 115 | -99.1% | 1,850 | 3,385 | -45.3% |
| SHORT TERM NATURAL GAS | U08 | 0 | 0 | 0.0% | 0 | 162 | -1 | 0 | 600 | -100.0% | 0 | 0 | 0.0% | 52 | 162 | -67.9% | 1,425 | 5,070 | -71.9% |
| SHORT TERM NATURAL GAS | U09 | 0 | 0 | 0.0% | 0 | 173 | -1 | 100 | 260 | -61.5% | 0 | 0 | 0.0% | 34 | 314 | -89.2% | 1,600 | 4,900 | -67.3% |
| SHORT TERM NATURAL GAS | U10 | 0 | 0 | 0.0% | 0 | 277 | -1 | 0 | 100 | -100.0% | 0 | 0 | 0.0% | 0 | 277 | -100.0% | 1,250 | 5,752 | -78.3% |
| SHORT TERM NATURAL GAS | U16 | 0 | 0 | 0.0% | 0 | 115 | -1 | 0 | 450 | -100.0% | 0 | 0 | 0.0% | 150 | 390 | -61.5% | 550 | 6,620 | -91.7% |
| SHORT TERM NATURAL GAS | U17 | 0 | 0 | 0.0% | 0 | 33 | -1 | 0 | 925 | -100.0% | 0 | 0 | 0.0% | 96 | 43 | 123.3% | 2,200 | 5,104 | -56.9% |
| SHORT TERM NATURAL GAS | U18 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 22 | 85 | -74.1% | 1,600 | 1,612 | -0.7% |

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| | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------------|-----|-------------------------------|-------------------------------|----------|---------------------|------------------|----------|------------------------------|------------------------------|----------|---------------------------------|---------------------------------|----------|-----------------------|-----------------------|----------|-----------------------------------|-----------------------------------|----------|
| Energy Options | | | | | | | | | | | | | | | | | | | |
| SHORT TERM NATURAL GAS | U19 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 123 | 175 | -29.7% | 225 | 4,385 | -94.9% |
| SHORT TERM NATURAL GAS | U20 | 0 | 0 | 0.0% | 0 | 127 | -1 | 0 | 350 | -100.0% | 0 | 0 | 0.0% | 25 | 210 | -88.1% | 1,400 | 3,795 | -63.1% |
| SHORT TERM NATURAL GAS | U21 | 0 | 0 | 0.0% | 0 | 188 | -1 | 0 | 300 | -100.0% | 0 | 0 | 0.0% | 13 | 188 | -93.1% | 350 | 3,024 | -88.4% |
| SHORT TERM NATURAL GAS | U27 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 25 | 0 | 0.0% | 400 | 1,870 | -78.6% |
| SHORT TERM NATURAL GAS | U28 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 100 | 3,255 | -96.9% |
| SHORT TERM NATURAL GAS | U29 | 0 | 0 | 0.0% | 0 | 221 | -1 | 50 | 100 | -50.0% | 0 | 0 | 0.0% | 10 | 221 | -95.5% | 500 | 535 | -6.5% |
| SHORT TERM NATURAL GAS | U30 | 0 | 0 | 0.0% | 0 | 670 | -1 | 0 | 300 | -100.0% | 0 | 0 | 0.0% | 0 | 675 | -100.0% | 100 | 4,070 | -97.5% |
| SHORT TERM NATURAL GAS | U31 | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 27 | 50 | -46.0% | 0 | 6,200 | -100.0% |
| 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 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | BV | 0 | 0 | 0.0% | 2,300 | 13,024 | -0.82 | 29,135 | 57,050 | -48.9% | 0 | 0 | 0.0% | 148,335 | 54,628 | 171.5% | 690,395 | 450,923 | 53.1% |
| WTI CRUDE OIL 1 M CSO FI | 7A | 0 | 0 | 0.0% | 0 | 3,700 | -1 | 144,140 | 125,600 | 14.8% | 0 | 0 | 0.0% | 15,050 | 7,700 | 95.5% | 851,990 | 693,115 | 22.9% |

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| Commodity Indicator | | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|-----------------------------|-----|----------------------|----------------------|-------|---------------|---------------|-------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|-----------|--------------------------|--------------------------|----------|
| Metals Futures | | | | | | | | | | | | | | | | | | | |
| COMEX GOLD | GC | 0 | 0 | 0.0% | 6,115,530 | 8,313,211 | -0.26 | 235,710 | 310,127 | -24.0% | 0 | 0 | 0.0% | 73,507,108 | 65,353,608 | 12.5% | 2,662,473 | 2,261,536 | 17.7% |
| NYMEX HOT ROLLED STEEL | HR | 0 | 0 | 0.0% | 3,633 | 837 | 3.34 | 8,353 | 3,761 | 122.1% | 0 | 0 | 0.0% | 33,933 | 4,742 | 615.6% | 78,431 | 52,956 | 48.1% |
| NYMEX PLATINUM | PL | 0 | 0 | 0.0% | 361,546 | 373,171 | -0.03 | 11,303 | 7,833 | 44.3% | 0 | 0 | 0.0% | 4,829,803 | 4,151,624 | 16.3% | 135,831 | 131,001 | 3.7% |
| PALLADIUM | PA | 0 | 0 | 0.0% | 143,577 | 148,736 | -0.03 | 4,533 | 4,481 | 1.2% | 0 | 0 | 0.0% | 1,304,704 | 1,265,327 | 3.1% | 54,120 | 64,523 | -16.1% |
| URANIUM | UX | 0 | 0 | 0.0% | 27 | 2 | 12.5 | 2,142 | 976 | 119.5% | 0 | 0 | 0.0% | 793 | 429 | 84.8% | 5,655 | 5,023 | 12.6% |
| COMEX SILVER | SI | 0 | 0 | 0.0% | 2,239,156 | 2,468,023 | -0.09 | 59,969 | 71,491 | -16.1% | 0 | 0 | 0.0% | 22,056,704 | 21,142,786 | 4.3% | 629,727 | 504,097 | 24.9% |
| COMEX E-Mini GOLD | QO | 0 | 0 | 0.0% | 9,527 | 7,107 | 0.34 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 91,830 | 87,450 | 5.0% | 0 | 0 | 0.0% |
| COMEX E-Mini SILVER | QI | 0 | 0 | 0.0% | 1,047 | 806 | 0.3 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 12,554 | 8,890 | 41.2% | 0 | 0 | 0.0% |
| COMEX COPPER | HG | 0 | 0 | 0.0% | 2,521,183 | 2,961,088 | -0.15 | 25,540 | 31,341 | -18.5% | 0 | 0 | 0.0% | 31,009,521 | 24,409,645 | 27.0% | 294,445 | 288,227 | 2.2% |
| COMEX MINY COPPER | QC | 0 | 0 | 0.0% | 337 | 629 | -0.46 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 4,933 | 7,642 | -35.4% | 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% | 72 | 30 | 140.0% |
| ALUMINUM | AEP | 0 | 0 | 0.0% | 118 | 0 | 0 | 3,729 | 2,886 | 29.2% | 0 | 0 | 0.0% | 118 | 78 | 51.3% | 18,459 | 27,545 | -33.0% |
| ALUMINUM | ALA | 0 | 0 | 0.0% | 0 | 0 | 0 | 240 | 75 | 220.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,755 | 5,425 | 6.1% |
| ALUMINUM | ALI | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 4,197 | -100.0% | 0 | 1,061 | -100.0% |
| ALUMINUM | AUP | 0 | 0 | 0.0% | 357 | 398 | -0.1 | 7,769 | 4,364 | 78.0% | 0 | 0 | 0.0% | 8,155 | 2,665 | 206.0% | 87,333 | 73,682 | 18.5% |
| ALUMINUM | CUP | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 25 | - | - | 180 | - | - |
| ALUMINUM | EDP | 0 | 0 | 0.0% | 75 | 0 | 0 | 1,530 | 480 | 218.8% | 0 | 0 | 0.0% | 122 | 44 | 177.3% | 16,974 | 9,586 | 77.1% |
| ALUMINUM | MJP | 0 | 0 | 0.0% | 0 | 0 | 0 | 540 | 1,695 | -68.1% | 0 | 0 | 0.0% | 76 | 260 | -70.8% | 12,299 | 15,303 | -19.6% |
| COPPER | HGS | 0 | 0 | 0.0% | 0 | 0 | 0 | 1,417 | 3,437 | -58.8% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 16,263 | 5,043 | 222.5% |
| E-MICRO GOLD | MGC | 0 | 0 | 0.0% | 161,742 | 112,421 | 0.44 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,645,616 | 1,058,548 | 55.5% | 0 | 0 | 0.0% |
| FERROUS PRODUCTS | BUS | 0 | 0 | 0.0% | 305 | 0 | 0 | 1,583 | 170 | 831.2% | 0 | 0 | 0.0% | 1,123 | 85 | 1,221.2% | 17,852 | 1,305 | 1,268.0% |
| GOLD | GPS | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 1 | -100.0% | 0 | 0 | 0.0% |
| Gold Kilo | GCK | 0 | 0 | 0.0% | 0 | 285 | -1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 136 | 3,561 | -96.2% | 0 | 0 | 0.0% |
| IRON ORE 62 CHINA PLATTS FL | PIO | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 870 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 9,432 | -100.0% |
| IRON ORE 62 CHINA TSI FUTUR | TIO | 0 | 0 | 0.0% | 23 | 30 | -0.23 | 4,770 | 3,670 | 30.0% | 0 | 0 | 0.0% | 172 | 2,840 | -93.9% | 42,374 | 84,534 | -49.9% |
| LNDN ZINC | ZNC | 0 | 0 | 0.0% | 2,931 | 10 | 292.1 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 13,475 | 125 | 10,680.0% | 0 | 0 | 0.0% |
| METALS | LED | - | 0 | 0.0% | - | 0 | 0 | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% | - | 0 | 0.0% |
| SILVER | SIL | 0 | 0 | 0.0% | 12,447 | 7,866 | 0.58 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 89,789 | 66,270 | 35.5% | 0 | 0 | 0.0% |

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NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| | Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|------------------------------|---------------------|----------------------|----------------------|-------|---------------|---------------|--------|------------------------|------------------------|---------|------------------------|------------------------|-------|-----------------|-----------------|-----------|--------------------------|--------------------------|----------|
| Metals Options | | | | | | | | | | | | | | | | | | | |
| COMEX COPPER | HX | 0 | 0 | 0.0% | 33,435 | 11,975 | 1.79 | 7,542 | 700 | 977.4% | 0 | 0 | 0.0% | 240,145 | 82,241 | 192.0% | 86,098 | 5,120 | 1,581.6% |
| COMEX GOLD | OG | 0 | 0 | 0.0% | 719,309 | 564,034 | 0.28 | 169,658 | 174,293 | -2.7% | 0 | 0 | 0.0% | 8,548,130 | 7,077,375 | 20.8% | 2,232,220 | 2,067,924 | 7.9% |
| COMEX SILVER | SO | 0 | 0 | 0.0% | 131,793 | 84,947 | 0.55 | 37,209 | 19,791 | 88.0% | 0 | 0 | 0.0% | 1,415,708 | 1,161,289 | 21.9% | 316,742 | 165,656 | 91.2% |
| COPPER | H1E | 0 | - | - | 15 | - | | 100 | - | - | 0 | - | - | 62 | - | - | 100 | - | - |
| COPPER | H2E | 0 | - | - | 12 | - | | 0 | - | - | 0 | - | - | 148 | - | - | 0 | - | - |
| COPPER | H3E | 0 | - | - | 6 | - | | 0 | - | - | 0 | - | - | 113 | - | - | 0 | - | - |
| COPPER | H4E | 0 | - | - | 2 | - | | 0 | - | - | 0 | - | - | 171 | - | - | 0 | - | - |
| COPPER | H5E | 0 | - | - | 0 | - | | 0 | - | - | 0 | - | - | 12 | - | - | 0 | - | - |
| GOLD | OG1 | 0 | 0 | 0.0% | 8,864 | 8,140 | 0.09 | 450 | 150 | 200.0% | 0 | 0 | 0.0% | 120,630 | 41,064 | 193.8% | 1,910 | 1,650 | 15.8% |
| GOLD | OG2 | 0 | 0 | 0.0% | 10,640 | 8,959 | 0.19 | 150 | 0 | 0.0% | 0 | 0 | 0.0% | 109,378 | 39,641 | 175.9% | 3,520 | 2,658 | 32.4% |
| GOLD | OG3 | 0 | 0 | 0.0% | 16,931 | 4,609 | 2.67 | 100 | 0 | 0.0% | 0 | 0 | 0.0% | 122,037 | 39,520 | 208.8% | 4,000 | 1,915 | 108.9% |
| GOLD | OG4 | 0 | 0 | 0.0% | 6,663 | 3,274 | 1.04 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 76,733 | 22,763 | 237.1% | 1,750 | 250 | 600.0% |
| GOLD | OG5 | 0 | 0 | 0.0% | 6,833 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 32,861 | 9,631 | 241.2% | 0 | 0 | 0.0% |
| HOT ROLLED COIL STEEL CALL | HRO | 0 | 0 | 0.0% | 0 | 0 | 0 | 300 | 0 | 0.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 300 | 330 | -9.1% |
| IRON ORE 62 CHINA TSI CALL C | ICT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 1,284 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 200 | 18,094 | -98.9% |
| IRON ORE 62 CHINA TSI PUT O | ICT | 0 | 0 | 0.0% | 0 | 0 | 0 | 0 | 750 | -100.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 1,280 | 26,105 | -95.1% |
| NYMEX PLATINUM | PO | 0 | 0 | 0.0% | 1,421 | 2,124 | -0.33 | 1,300 | 1,575 | -17.5% | 0 | 0 | 0.0% | 20,018 | 13,008 | 53.9% | 22,801 | 17,556 | 29.9% |
| PALLADIUM | PAO | 0 | 0 | 0.0% | 443 | 1,724 | -0.74 | 510 | 5,142 | -90.1% | 0 | 0 | 0.0% | 15,010 | 13,313 | 12.7% | 13,678 | 51,777 | -73.6% |
| SILVER | SO1 | 0 | 0 | 0.0% | 572 | 15 | 37.13 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,550 | 656 | 746.0% | 0 | 25 | -100.0% |
| SILVER | SO2 | 0 | 0 | 0.0% | 914 | 4 | 227.5 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 5,118 | 217 | 2,258.5% | 0 | 0 | 0.0% |
| SILVER | SO3 | 0 | 0 | 0.0% | 747 | 18 | 40.5 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 6,771 | 607 | 1,015.5% | 0 | 0 | 0.0% |
| SILVER | SO4 | 0 | 0 | 0.0% | 742 | 1 | 741 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 3,919 | 188 | 1,984.6% | 0 | 0 | 0.0% |
| SILVER | SO5 | 0 | 0 | 0.0% | 654 | 0 | 0 | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 2,746 | 4 | 68,550.0% | 0 | 0 | 0.0% |
| TOTAL FUTURES GROUP | | | | | | | | | | | | | | | | | | | |
| Ag Products Futures | | 0 | 0 | 0.0% | 1 | 5 | -80.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 84 | 189 | -55.6% | 0 | 0 | 0.0% |
| Energy Futures | | 0 | 0 | 0.0% | 52,292,846 | 45,570,497 | 14.8% | 3,039,663 | 3,016,031 | 0.8% | 0 | 0 | 0.0% | 493,918,471 | 484,489,080 | 1.9% | 30,308,230 | 39,610,951 | -23.5% |
| Metals Futures | | 0 | 0 | 0.0% | 11,573,561 | 14,394,620 | -19.6% | 369,128 | 447,657 | -17.5% | 0 | 0 | 0.0% | 134,610,690 | 117,570,817 | 14.5% | 4,078,243 | 3,540,309 | 15.2% |
| TOTAL FUTURES | | 0 | 0 | 0.0% | 63,866,408 | 59,965,122 | 6.5% | 3,408,791 | 3,463,688 | -1.6% | 0 | 0 | 0.0% | 628,529,245 | 602,060,086 | 4.4% | 34,386,473 | 43,151,260 | -20.3% |

NYMEX/COMEX Exchange Volume Comparison Report - Monthly

| Commodity Indicator | Open Outcry NOV 2018 | Open Outcry NOV 2017 | % CHG | ELEC NOV 2018 | ELEC NOV 2017 | % CHG | CME ClearPort NOV 2018 | CME ClearPort NOV 2017 | % CHG | Open Outcry Y.T.D 2018 | Open Outcry Y.T.D 2017 | % CHG | ELEC Y.T.D 2018 | ELEC Y.T.D 2017 | % CHG | CME ClearPort Y.T.D 2018 | CME ClearPort Y.T.D 2017 | % CHG |
|---------------------|----------------------|----------------------|-------|---------------|---------------|--------|------------------------|------------------------|--------|------------------------|------------------------|-------|-----------------|-----------------|--------|--------------------------|--------------------------|--------|
| TOTAL OPTIONS GROUP | | | | | | | | | | | | | | | | | | |
| Energy Options | 0 | 0 | 0.0% | 7,177,246 | 5,475,578 | 31.1% | 3,152,886 | 2,425,858 | 30.0% | 0 | 0 | 0.0% | 50,981,422 | 47,972,944 | 6.3% | 23,294,035 | 27,051,201 | -13.9% |
| Metals Options | 0 | 0 | 0.0% | 939,996 | 689,824 | 36.3% | 217,319 | 203,685 | 6.7% | 0 | 0 | 0.0% | 10,725,260 | 8,501,517 | 26.2% | 2,684,599 | 2,359,060 | 13.8% |
| TOTAL OPTIONS | 0 | 0 | 0.0% | 8,117,242 | 6,165,402 | 31.7% | 3,370,205 | 2,629,543 | 28.2% | 0 | 0 | 0.0% | 61,706,682 | 56,474,461 | 9.3% | 25,978,634 | 29,410,261 | -11.7% |
| | | | | | | | | | | | | | | | | | | |
| TOTAL COMBINED | | | | | | | | | | | | | | | | | | |
| Ag Products | 0 | 0 | 0.0% | 1 | 5 | -80.0% | 0 | 0 | 0.0% | 0 | 0 | 0.0% | 84 | 189 | -55.6% | 0 | 0 | 0.0% |
| Energy | 0 | 0 | 0.0% | 59,470,092 | 51,046,075 | 16.5% | 6,192,549 | 5,441,889 | 13.8% | 0 | 0 | 0.0% | 544,899,893 | 532,462,024 | 2.3% | 53,602,265 | 66,662,152 | -19.6% |
| Metals | 0 | 0 | 0.0% | 12,513,557 | 15,084,444 | -17.0% | 586,447 | 651,342 | -10.0% | 0 | 0 | 0.0% | 145,335,950 | 126,072,334 | 15.3% | 6,762,842 | 5,899,369 | 14.6% |
| GRAND TOTAL | 0 | 0 | 0.0% | 71,983,650 | 66,130,524 | 8.9% | 6,778,996 | 6,093,231 | 11.3% | 0 | 0 | 0.0% | 690,235,927 | 658,534,547 | 4.8% | 60,365,107 | 72,561,521 | -16.8% |