

NYMEX/COMEX Exchange Open Interest Report - Monthly

| | Commodity | Open Interest JUL 2021 | Open Interest JUL 2020 | % CHG | Open Interest JUN 2021 | % CHG |
|-------------------------------------|-----------|---------------------------|---------------------------|---------|---------------------------|---------|
| Ag Products Futures | | | | | | |
| COCOA TAS | CJ | 0 | 0 | - | 0 | - |
| COFFEE | KT | 0 | 0 | - | 0 | - |
| COTTON | TT | 0 | 0 | - | 0 | - |
| SUGAR 11 | YO | 0 | 0 | - | 0 | - |
| | | | | | | |
| Energy Futures | | | | | | |
| CRUDE OIL PHY | CL | 2,319,540 | 2,006,292 | 15.6% | 2,390,245 | -3.0% |
| CRUDE OIL | WS | 8 | 36 | -77.8% | 8 | 0.0% |
| MINY WTI CRUDE OIL | QM | 3,999 | 3,359 | 19.1% | 3,476 | 15.0% |
| BRENT OIL LAST DAY | BZ | 200,398 | 223,222 | -10.2% | 207,576 | -3.5% |
| HEATING OIL PHY | HO | 399,410 | 360,112 | 10.9% | 414,933 | -3.7% |
| HTG OIL | BH | 148 | 148 | 0.0% | 157 | -5.7% |
| MINY HTG OIL | QH | 0 | 0 | 0.0% | 0 | - |
| RBOB PHY | RB | 342,141 | 326,894 | 4.7% | 380,329 | -10.0% |
| MINY RBOB GAS | QU | 1 | 0 | 0.0% | 1 | 0.0% |
| NATURAL GAS | HP | 144,431 | 123,581 | 16.9% | 137,581 | 5.0% |
| LTD NAT GAS | HH | 469,717 | 285,314 | 64.6% | 433,750 | 8.3% |
| MINY NATURAL GAS | QG | 4,575 | 5,447 | -16.0% | 5,072 | -9.8% |
| PJM MONTHLY | JM | 0 | 0 | - | 0 | - |
| NATURAL GAS PHY | NG | 1,434,026 | 1,307,193 | 9.7% | 1,413,818 | 1.4% |
| RBOB GAS | RT | 88 | 100 | -12.0% | 95 | -7.4% |
| 3.5% FUEL OIL CID MED SWA | 7D | 0 | 0 | - | 0 | - |
| 3.5% FUEL OIL CIF BALMO S | 8D | 0 | 0 | - | 0 | - |
| AEP-DAYTON HUB DAILY | VD | 10 | 84 | -88.1% | 10 | 0.0% |
| ANR OKLAHOMA | NE | 0 | 0 | - | 0 | - |
| ARGUS LLS VS. WTI (ARG) T | E5 | 24,943 | 11,139 | 123.9% | 29,105 | -14.3% |
| ARGUS PROPAN FAR EST INDE | 7E | 5,645 | 4,560 | 23.8% | 5,386 | 4.8% |
| ARGUS PROPAN(SAUDI ARAMCO | 9N | 1,703 | 2,127 | -19.9% | 1,714 | -0.6% |
| AUSTRIALIAN COKE COAL | ALW | 0 | 0 | - | 0 | - |
| BRENT BALMO SWAP | J9 | 139 | 0 | - | 0 | - |
| BRENT CALENDAR SWAP | CY | 14,065 | 17,547 | -19.8% | 15,354 | -8.4% |
| BRENT FINANCIAL FUTURES | BB | 0 | 2,200 | -100.0% | 0 | - |
| BRENT FINANCIAL FUTURES | MBC | 0 | 30 | -100.0% | 0 | - |
| BRENT FINANCIAL FUTURES | MDB | 26 | 130 | -80.0% | 34 | -23.5% |
| BRENT OIL LAST DAY | BZL | 0 | 0 | 0.0% | 0 | 0.0% |
| BRENT OIL LAST DAY | BZS | 0 | 0 | 0.0% | 0 | 0.0% |
| CAR VINTAGE | GEO | 457 | 0 | - | 227 | 101.3% |
| CENTERPOINT BASIS SWAP | PW | 0 | 0 | - | 0 | - |
| CHICAGO ETHANOL SWAP | CU | 39,974 | 30,525 | 31.0% | 38,898 | 2.8% |
| CHICAGO ULSD PL VS HO SPR | 5C | 1,422 | 2,983 | -52.3% | 1,403 | 1.4% |
| CHICAGO UNL GAS PL VS RBO | 3C | 0 | 330 | -100.0% | 320 | -100.0% |
| CIG BASIS | CI | 0 | 0 | - | 0 | - |
| CINERGY HUB OFF-PEAK MONT | EJ | 0 | 0 | - | 0 | - |
| CINERGY HUB PEAK MONTH | EM | 0 | 0 | - | 0 | - |
| CIN HUB 5MW D AH PK | H5 | 0 | 65 | -100.0% | 0 | - |
| CIN HUB 5MW REAL TIME O P | H4 | 0 | 13,832 | -100.0% | 0 | - |
| CIN HUB 5MW REAL TIME PK | H3 | 0 | 742 | -100.0% | 0 | - |
| COAL SWAP | ACM | 0 | 0 | - | 0 | - |
| COLUMB GULF MAINLINE NG B | 5Z | 0 | 110 | -100.0% | 0 | - |
| CONWAY NATURAL GASOLINE (OPIS) SWAP | 8L | 1,895 | 953 | 98.8% | 453 | 318.3% |
| CONWAY NORMAL BUTANE (OPIS) SWAP | 8M | 1,265 | 1,679 | -24.7% | 1,103 | 14.7% |

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| Energy Futures | | | | | | |
| CONWAY PROPANE 5 DECIMALS SWAP | 8K | 24,421 | 24,827 | -1.6% | 23,220 | 5.2% |
| CRUDE OIL | LPS | 0 | 5,600 | -100.0% | 0 | - |
| CRUDE OIL LAST DAY | 26 | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | 42 | 84 | 316 | -73.4% | 77 | 9.1% |
| CRUDE OIL OUTRIGHTS | CC5 | 3,407 | 1,110 | 206.9% | 3,394 | 0.4% |
| CRUDE OIL OUTRIGHTS | CSW | 3,170 | 0 | - | 3,416 | -7.2% |
| CRUDE OIL OUTRIGHTS | DAB | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | DBL | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | GSW | 2,762 | 330 | 737.0% | 3,048 | -9.4% |
| CRUDE OIL OUTRIGHTS | HTT | 143,942 | 172,142 | -16.4% | 149,234 | -3.5% |
| CRUDE OIL OUTRIGHTS | LSW | 4,013 | 2,704 | 48.4% | 4,666 | -14.0% |
| CRUDE OIL OUTRIGHTS | WCW | 9,690 | 5,155 | 88.0% | 11,859 | -18.3% |
| CRUDE OIL PHY | CLL | 0 | 0 | 0.0% | 0 | 0.0% |
| CRUDE OIL PHY | HCL | 15 | 438 | -96.6% | 26 | -42.3% |
| CRUDE OIL PHY | MCL | 5,811 | 0 | - | 0 | - |
| CRUDE OIL SPRDS | 38 | 0 | 0 | - | 0 | - |
| CRUDE OIL SPRDS | ANT | 1,342 | 540 | 148.5% | 1,310 | 2.4% |
| CRUDE OIL SPRDS | HIL | 15,096 | 13,860 | 8.9% | 15,989 | -5.6% |
| CRUDE OIL SPRDS | WTT | 82,351 | 112,897 | -27.1% | 84,605 | -2.7% |
| CRUDE OIL TRADE AT MARKER SINGAPORE | CLS | 0 | 0 | 0.0% | 0 | 0.0% |
| DAILY PJM | AOR | 600 | 1,440 | -58.3% | 480 | 25.0% |
| DAILY PJM | IDO | 19,152 | 17,360 | 10.3% | 18,848 | 1.6% |
| DAILY PJM | NOC | 1,200 | 480 | 150.0% | 960 | 25.0% |
| DAILY PJM | PAP | 0 | 260 | -100.0% | 0 | - |
| DAILY PJM | PEO | 0 | 4,960 | -100.0% | 0 | - |
| DAILY PJM | PNO | 0 | 0 | - | 0 | - |
| DAILY PJM | PNP | 0 | 0 | - | 0 | - |
| DAILY PJM | PWO | 0 | 992 | -100.0% | 0 | - |
| DAILY PJM | PWP | 0 | 52 | -100.0% | 0 | - |
| DAILY PJM | WOR | 2,400 | 2,400 | 0.0% | 1,920 | 25.0% |
| DAILY PJM | ZAO | 0 | 992 | -100.0% | 0 | - |
| DAILY PJM | ZGO | 10,080 | 28,272 | -64.3% | 9,920 | 1.6% |
| DAILY PJM | ZJO | 0 | 1,488 | -100.0% | 0 | - |
| DATED BRENT (PLATTS) DAILY SWAP | 7G | 0 | 0 | - | 0 | - |
| DATED TO FRONTLINE BRENT | FY | 555 | 300 | 85.0% | 555 | 0.0% |
| DIESEL 10P BRG FOB RDM VS | 7X | 0 | 0 | - | 0 | - |
| DOMINION TRAN INC - APP I | IH | 0 | 0 | - | 0 | - |
| DOMINION TRANSMISSION INC | PG | 54 | 1,044 | -94.8% | 72 | -25.0% |
| DUBAI CRUDE OIL BALMO | BI | 0 | 0 | - | 0 | - |
| DUBAI CRUDE OIL CALENDAR | DC | 0 | 100 | -100.0% | 0 | - |
| DUTCH TTF NATURAL GAS CAL MONTH FUT | TTF | 20,483 | 28,073 | -27.0% | 24,504 | -16.4% |
| EAST/WEST FUEL OIL SPREAD | EW | 0 | 6 | -100.0% | 0 | - |
| EIA FLAT TAX ONHWAY DIESE | A5 | 3,652 | 4,309 | -15.2% | 3,747 | -2.5% |
| ELEC FINSETTLED | 47 | 0 | 258 | -100.0% | 0 | - |
| ELEC MISO PEAK | 4L | 0 | 0 | - | 0 | - |
| ELEC NYISO OFF-PEAK | 4M | 0 | 0 | - | 0 | - |
| ELECTRICITY OFF PEAK | 46 | 0 | 4,706 | -100.0% | 0 | - |
| ELECTRICITY OFF PEAK | 4P | 0 | 0 | - | 0 | - |
| ETHANOL | MTH | 0 | 0 | - | 0 | - |
| ETHANOL | Z1B | 0 | 0 | - | 0 | - |
| ETHANOL SWAP | MT2 | 925 | 487 | 89.9% | 795 | 16.4% |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1 | 7,610 | 5,022 | 51.5% | 8,287 | -8.2% |

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| Energy Futures | | | | | | |
| EURO 1% FUEL OIL NEW BALM | KX | 0 | 0 | - | 0 | - |
| EURO 3.5% FUEL OIL RDAM B | KR | 6 | 0 | - | 0 | - |
| EURO 3.5% FUEL OIL SPREAD | FK | 0 | 0 | - | 0 | - |
| EURO GASOIL 10PPM VS ICE | ET | 678 | 0 | - | 683 | -0.7% |
| EUROPE 1% FUEL OIL NWE CA | UF | 6 | 0 | - | 8 | -25.0% |
| EUROPE 1% FUEL OIL RDAM C | UH | 0 | 0 | - | 0 | - |
| EUROPE 3.5% FUEL OIL MED | UI | 13 | 0 | - | 13 | 0.0% |
| EUROPE 3.5% FUEL OIL RDAM | UV | 125 | 1,239 | -89.9% | 147 | -15.0% |
| EUROPEAN GASOIL (ICE) | 7F | 3,372 | 120 | 2,710.0% | 3,379 | -0.2% |
| EUROPEAN NAPHTHA BALMO | KZ | 4 | 10 | -60.0% | 0 | - |
| EUROPEAN NAPHTHA CRACK SPR | EN | 4,078 | 3,919 | 4.1% | 3,075 | 32.6% |
| EUROPE DATED BRENT SWAP | UB | 15 | 35 | -57.1% | 17 | -11.8% |
| EUROPE JET KERO NWE CALSW | UJ | 10 | 0 | - | 10 | 0.0% |
| EUROPE NAPHTHA CALSWAP | UN | 1,070 | 859 | 24.6% | 866 | 23.6% |
| EURO PROPANE CIF ARA SWA | PS | 2,225 | 2,396 | -7.1% | 2,305 | -3.5% |
| FREIGHT MARKETS | ACB | 0 | 450 | -100.0% | 0 | - |
| FREIGHT MARKETS | BF1 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | BF2 | 171 | 263 | -35.0% | 271 | -36.9% |
| FREIGHT MARKETS | BF3 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | BL2 | 40 | 0 | - | 40 | 0.0% |
| FREIGHT MARKETS | FLJ | 24 | 0 | - | 29 | -17.2% |
| FREIGHT MARKETS | FLP | 390 | 968 | -59.7% | 461 | -15.4% |
| FREIGHT MARKETS | FRC | 60 | 60 | 0.0% | 60 | 0.0% |
| FREIGHT MARKETS | FRS | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | T2D | 270 | 1,310 | -79.4% | 320 | -15.6% |
| FREIGHT MARKETS | T7C | 0 | 0 | 0.0% | 0 | - |
| FREIGHT MARKETS | T8C | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | TD3 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | TD8 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | USC | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | USE | 0 | 0 | - | 10 | -100.0% |
| FUEL OIL CRACK VS ICE | FO | 1,767 | 3,689 | -52.1% | 1,609 | 9.8% |
| FUEL OIL NWE CRACK VS ICE | FI | 72 | 78 | -7.7% | 72 | 0.0% |
| FUEL OIL (PLATS) CAR CM | 1W | 0 | 0 | - | 0 | - |
| FUEL OIL (PLATS) CAR CN | 1X | 0 | 0 | - | 0 | - |
| FUELOIL SWAP:CARGOES VS.B | FS | 54 | 248 | -78.2% | 63 | -14.3% |
| GAS EURO-BOB OXY NWE BARGES | 7H | 1,861 | 2,791 | -33.3% | 2,006 | -7.2% |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K | 13,445 | 19,525 | -31.1% | 13,920 | -3.4% |
| GASOIL 0.1CIF MED VS ICE | Z5 | 60 | 0 | - | 60 | 0.0% |
| GASOIL 0.1 CIF NWE VS ISE | TU | 0 | 0 | - | 0 | - |
| GASOIL 0.1 RDAM BRGS VS I | WQ | 33 | 0 | - | 27 | 22.2% |
| GASOIL 0.1 ROTTERDAM BARG | VL | 30 | 45 | -33.3% | 40 | -25.0% |
| GASOIL 10PPM VS ICE SWAP | TP | 0 | 0 | - | 0 | - |
| GASOIL CALENDAR SWAP | GX | 154 | 62 | 148.4% | 200 | -23.0% |
| GASOIL CRACK SPREAD CALEN | GZ | 5,913 | 4,713 | 25.5% | 4,763 | 24.1% |
| GASOIL MINI CALENDAR SWAP | QA | 1,629 | 1,048 | 55.4% | 1,675 | -2.7% |
| GERMAN POWER BASELOAD CAL MONTH FUT | DEB | 642 | 1,659 | -61.3% | 709 | -9.4% |
| GROUP THREE ULSD (PLATTS) | A7 | 0 | 0 | - | 0 | - |
| GROUP THREE UNLEAD GAS (P | A9 | 0 | 0 | - | 0 | - |
| GRP THREE ULSD(PLT)VS HEA | A6 | 7,826 | 8,802 | -11.1% | 8,903 | -12.1% |
| GRP THREE UNL GS (PLT) VS | A8 | 4,070 | 3,025 | 34.5% | 4,225 | -3.7% |
| GULF COAST 3% FUEL OIL BA | VZ | 107 | 0 | - | 0 | - |

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| Energy Futures | | | | | | |
| GULF COAST JET FUEL CLNDR | GE | 0 | 1,362 | -100.0% | 250 | -100.0% |
| GULF COAST JET VS NYM 2 H | ME | 28,139 | 21,055 | 33.6% | 26,306 | 7.0% |
| GULF COAST NO.6 FUEL OIL | MF | 2,974 | 13,143 | -77.4% | 4,287 | -30.6% |
| GULF COAST NO.6 FUEL OIL | MG | 3,095 | 210 | 1,373.8% | 1,755 | 76.4% |
| GULF COAST ULSD CALENDAR | LY | 3,874 | 5,527 | -29.9% | 4,023 | -3.7% |
| GULF COAST ULSD CRACK SPR | GY | 60 | 480 | -87.5% | 70 | -14.3% |
| HEATING OIL BALMO CLNDR S | 1G | 153 | 0 | - | 96 | 59.4% |
| HEATING OIL CRCK SPRD BAL | 1H | 0 | 0 | - | 0 | - |
| HEATING OIL PHY | HOL | 0 | 0 | 0.0% | 0 | 0.0% |
| HENRY HUB BASIS SWAP | HB | 0 | 1,840 | -100.0% | 0 | - |
| HENRY HUB FINANCIAL LAST | NBP | 0 | 0 | - | 0 | - |
| HENRY HUB INDEX SWAP FUTU | IN | 0 | 3,444 | -100.0% | 0 | - |
| HENRY HUB SWAP | NN | 558,904 | 721,835 | -22.6% | 582,164 | -4.0% |
| HOUSTON SHIP CHANNEL BASI | NH | 765 | 3,814 | -79.9% | 920 | -16.8% |
| ICE BRENT DUBAI SWAP | DB | 3,655 | 17,978 | -79.7% | 4,057 | -9.9% |
| ICE GASOIL BALMO SWAP | U9 | 0 | 0 | - | 0 | - |
| INDIANA MISO | FAD | 0 | 0 | - | 0 | - |
| INDIANA MISO | FTD | 0 | 672 | -100.0% | 0 | - |
| INDIANA MISO | PDD | 0 | 33 | -100.0% | 0 | - |
| INDIANA MISO | PTD | 0 | 49 | -100.0% | 0 | - |
| INDONESIAN COAL ICI4 | ICI | 309 | 487 | -36.6% | 309 | 0.0% |
| JAPAN C&F NAPHTHA CRACK S | JB | 0 | 0 | - | 0 | - |
| JAPAN C&F NAPHTHA SWAP | JA | 190 | 339 | -44.0% | 205 | -7.3% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 0 | 5 | -100.0% | 0 | - |
| JET AV FUEL (P) CAR FM ICE GAS SWAP | 1V | 0 | 0 | - | 0 | - |
| JET CIF NWE VS ICE | JC | 686 | 30 | 2,186.7% | 639 | 7.4% |
| JET FUEL CRG CIF NEW VS I | 6X | 0 | 0 | - | 0 | - |
| JET FUEL UP-DOWN BALMO CL | 1M | 1,475 | 1,045 | 41.1% | 1,370 | 7.7% |
| JKM LNG Futures | JKM | 3,393 | 4,427 | -23.4% | 3,830 | -11.4% |
| LA CARB DIESEL (OPIS) SWA | KL | 690 | 415 | 66.3% | 795 | -13.2% |
| LA CARBOB GASOLINE(OPIS)S | JL | 125 | 0 | - | 225 | -44.4% |
| LA JET (OPIS) SWAP | JS | 920 | 945 | -2.6% | 758 | 21.4% |
| LLS (ARGUS) CALENDAR SWAP | XA | 20 | 159 | -87.4% | 30 | -33.3% |
| LLS (ARGUS) VS WTI SWAP | WJ | 2,968 | 8,243 | -64.0% | 3,314 | -10.4% |
| LOS ANGELES CARB GASOLINE | MH | 0 | 15 | -100.0% | 0 | - |
| MARS (ARGUS) VS WTI SWAP | YX | 360 | 300 | 20.0% | 370 | -2.7% |
| MARS (ARGUS) VS WTI TRD M | YV | 24,035 | 16,832 | 42.8% | 31,630 | -24.0% |
| MARS BLEND CRUDE OIL | MB | 0 | 0 | - | 0 | - |
| MCCLOSKEY ARA ARGS COAL | MTF | 16,245 | 18,831 | -13.7% | 14,371 | 13.0% |
| MCCLOSKEY RCH BAY COAL | MFF | 1,052 | 1,777 | -40.8% | 989 | 6.4% |
| MGF FUT | MGF | 0 | 0 | - | 0 | - |
| MGN1 SWAP FUT | MGN | 10 | 190 | -94.7% | 20 | -50.0% |
| MICHIGAN BASIS | NF | 0 | 368 | -100.0% | 0 | - |
| MICHIGAN MISO | HMO | 0 | 0 | - | 0 | - |
| MICHIGAN MISO | HMW | 0 | 0 | - | 0 | - |
| MINI GAS EUROBOB OXY NWE ARGS BALMO | MEB | 13 | 50 | -74.0% | 10 | 30.0% |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | MXR | 100 | 0 | - | 60 | 66.7% |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | MXB | 966 | 1,111 | -13.1% | 983 | -1.7% |
| MJC FUT | MJC | 40 | 30 | 33.3% | 20 | 100.0% |
| MNC FUT | MNC | 2,140 | 1,393 | 53.6% | 1,512 | 41.5% |
| MONT BELVIEU ETHANE 5 DECIMAL | C0 | 48,431 | 59,104 | -18.1% | 46,546 | 4.0% |
| MONT BELVIEU ETHANE OPIS BALMO | 8C | 610 | 320 | 90.6% | 312 | 95.5% |

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| MONT BELVIEU LDH PROPANE 5 DECIMAL | B0 | 129,595 | 134,118 | -3.4% | 127,220 | 1.9% |
| MONT BELVIEU LDH PROPANE OPIS BALMO | 8O | 2,497 | 1,118 | 123.3% | 1,154 | 116.4% |
| MONT BELVIEU NATURAL GASOLINE 5 DEC | 7Q | 34,735 | 36,913 | -5.9% | 32,722 | 6.2% |
| MONT BELVIEU NATURAL GASOLINE BALMO | R0 | 265 | 834 | -68.2% | 590 | -55.1% |
| MONT BELVIEU NORMAL BUTANE 5 DECIMAL | D0 | 57,899 | 61,910 | -6.5% | 57,640 | 0.4% |
| MONT BELVIEU NORMAL BUTANE BALMO | 8J | 202 | 1,290 | -84.3% | 1,116 | -81.9% |
| NAT GAS BASIS SWAP | TZ6 | 0 | 0 | - | 0 | - |
| NATURAL GAS PEN SWP | NP | 219,397 | 189,425 | 15.8% | 224,142 | -2.1% |
| NEPOOL INTR HUB 5MW D AH | H2 | 59,660 | 221,283 | -73.0% | 74,556 | -20.0% |
| NEPOOL INTR HUB 5MW D AH | U6 | 2,855 | 10,590 | -73.0% | 3,471 | -17.7% |
| NEPOOL NE MASS 5MW D AH O | P8 | 0 | 0 | - | 0 | - |
| NEPOOL NE MASS 5MW D AH P | P7 | 0 | 0 | - | 0 | - |
| NEW ENGLAND HUB PEAK DAIL | CE | 924 | 1,120 | -17.5% | 896 | 3.1% |
| NEW YORK ETHANOL SWAP | EZ | 130 | 1,494 | -91.3% | 310 | -58.1% |
| NEW YORK HUB ZONE G PEAK | GN | 330 | 1,312 | -74.8% | 320 | 3.1% |
| NEW YORK HUB ZONE J PEAK | JN | 0 | 256 | -100.0% | 0 | - |
| NGPL MID-CONTINENT | NL | 0 | 520 | -100.0% | 0 | - |
| NGPL TEX/OK | PD | 0 | 120 | -100.0% | 0 | - |
| N ILLINOIS HUB DAILY | UD | 20 | 10 | 100.0% | 20 | 0.0% |
| NO 2 UP-DOWN SPREAD CALEN | UT | 0 | 0 | - | 0 | - |
| NORTHERN NATURAL GAS DEMAR | PE | 0 | 0 | - | 0 | - |
| NORTHERN NATURAL GAS VENTU | PF | 0 | 0 | - | 0 | - |
| NORTHWEST ROCKIES BASIS S | NR | 0 | 306 | -100.0% | 0 | - |
| N ROCKIES PIPE SWAP | XR | 0 | 0 | - | 0 | - |
| NY1% VS GC SPREAD SWAP | VR | 180 | 824 | -78.2% | 310 | -41.9% |
| NY 3.0% FUEL OIL (PLATTS | H1 | 0 | 0 | - | 0 | - |
| NY HARBOR 1% FUEL OIL BAL | VK | 0 | 0 | - | 0 | - |
| NY HARBOR HEAT OIL SWP | MP | 9,069 | 12,280 | -26.1% | 9,557 | -5.1% |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 1,505 | 690 | 118.1% | 1,630 | -7.7% |
| NY HARBOR RESIDUAL FUEL 1 | MM | 475 | 1,262 | -62.4% | 475 | 0.0% |
| NY HARBOR RESIDUAL FUEL C | ML | 0 | 0 | - | 0 | - |
| NYH NO 2 CRACK SPREAD CAL | HK | 8,950 | 3,650 | 145.2% | 9,267 | -3.4% |
| NYISO CAPACITY | LHV | 0 | 125 | -100.0% | 0 | - |
| NYISO CAPACITY | NNC | 0 | 0 | - | 0 | - |
| NYISO CAPACITY | NRS | 0 | 0 | - | 0 | - |
| NYISO ZONE A 5MW D AH O P | K4 | 0 | 3,138 | -100.0% | 0 | - |
| NYISO ZONE A 5MW D AH PK | K3 | 0 | 0 | - | 0 | - |
| NYISO ZONE G 5MW D AH O P | D2 | 15,840 | 142,298 | -88.9% | 23,680 | -33.1% |
| NYISO ZONE G 5MW D AH PK | T3 | 7,235 | 11,685 | -38.1% | 7,455 | -3.0% |
| NYISO ZONE J 5MW D AH O P | D4 | 0 | 4,707 | -100.0% | 0 | - |
| NYISO ZONE J 5MW D AH PK | D3 | 0 | 680 | -100.0% | 0 | - |
| NYMEX ALUMINUM FUTURES | AN | 0 | 0 | - | 0 | - |
| NYMEX ULSD VS NYMEX HO | UY | 0 | 100 | -100.0% | 0 | - |
| NY ULSD (ARGUS) VS HEATING OIL | 7Y | 65 | 1,874 | -96.5% | 90 | -27.8% |
| ONEOK OKLAHOMA NG BASIS | 8X | 0 | 0 | - | 0 | - |
| ONTARIO POWER SWAPS | OPD | 0 | 0 | - | 0 | - |
| ONTARIO POWER SWAPS | OPM | 0 | 0 | - | 0 | - |
| PANHANDLE BASIS SWAP FUTU | PH | 116 | 640 | -81.9% | 155 | -25.2% |
| PERMIAN BASIS SWAP | PM | 0 | 1,377 | -100.0% | 0 | - |
| PETROCHEMICALS | 22 | 137 | 15 | 813.3% | 93 | 47.3% |
| PETROCHEMICALS | 32 | 21 | 56 | -62.5% | 25 | -16.0% |
| PETROCHEMICALS | 3NA | 51 | 8 | 537.5% | 48 | 6.3% |

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| Commodity | Open Interest JUL 2021 | Open Interest JUL 2020 | % CHG | Open Interest JUN 2021 | % CHG |
|--------------------------|---------------------------|---------------------------|---------|---------------------------|---------|
| Energy Futures | | | | | |
| PETROCHEMICALS | 51 | 6 | -100.0% | 0 | - |
| PETROCHEMICALS | 81 | 0 | - | 50 | 20.0% |
| PETROCHEMICALS | 8I | 7,316 | 12.7% | 7,938 | -7.8% |
| PETROCHEMICALS | 91 | 842 | 2.9% | 806 | 4.5% |
| PETROCHEMICALS | MAA | 15 | -95.9% | 15 | 0.0% |
| PETROCHEMICALS | MAE | 1,874 | -9.7% | 1,509 | 24.2% |
| PETROCHEMICALS | MAS | 890 | 119.8% | 520 | 71.2% |
| PETROCHEMICALS | MBE | 110 | -73.2% | 105 | 4.8% |
| PETROCHEMICALS | MNB | 1,691 | 6.1% | 729 | 132.0% |
| PETROCHEMICALS | MPS | 1,448 | 32.2% | 1,327 | 9.1% |
| PETROCHEMICALS | PMF | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STI | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STR | 0 | -100.0% | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STS | 225 | -25.0% | 225 | 0.0% |
| PETRO CRCKS & SPRDS NA | CRB | 19,303 | -1.9% | 17,831 | 8.3% |
| PETRO CRCKS & SPRDS NA | EXR | 1,207 | 11.0% | 1,397 | -13.6% |
| PETRO CRCKS & SPRDS NA | FOC | 0 | -100.0% | 0 | - |
| PETRO CRCKS & SPRDS NA | GBB | 200 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | GCC | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | GCI | 100 | -67.8% | 100 | 0.0% |
| PETRO CRCKS & SPRDS NA | GCM | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | GCU | 710 | -86.6% | 790 | -10.1% |
| PETRO CRCKS & SPRDS NA | GFC | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | HOB | 4,024 | -52.0% | 4,446 | -9.5% |
| PETRO CRCKS & SPRDS NA | MFR | 114 | - | 12 | 850.0% |
| PETRO CRCKS & SPRDS NA | NYF | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | RBB | 4,533 | -55.4% | 4,788 | -5.3% |
| PETRO CRCKS & SPRDS NA | RVG | 2,487 | -55.6% | 3,009 | -17.3% |
| PETRO CRCKS & SPRDS NA | SF3 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | 1NB | 233 | -83.6% | 233 | 0.0% |
| PETRO CRK&SPRD EURO | 43 | 7 | - | 0 | - |
| PETRO CRK&SPRD EURO | BFR | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | BOB | 519 | -67.2% | 558 | -7.0% |
| PETRO CRK&SPRD EURO | EOB | 0 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | EPN | 797 | -10.4% | 754 | 5.7% |
| PETRO CRK&SPRD EURO | EVC | 324 | 54.3% | 311 | 4.2% |
| PETRO CRK&SPRD EURO | FBT | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | FVB | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | GCB | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | GOC | 0 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | MGB | 60 | - | 0 | - |
| PETRO CRK&SPRD EURO | MUD | 0 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | NBB | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | NOB | 323 | -49.3% | 250 | 29.2% |
| PETRO CRK&SPRD EURO | SFB | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | 1NM | 50 | -78.3% | 112 | -55.4% |
| PETROLEUM PRODUCTS | BEB | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | BEF | 0 | - | 1 | -100.0% |
| PETROLEUM PRODUCTS | CMS | 110 | - | 110 | 0.0% |
| PETROLEUM PRODUCTS | EWG | 1,518 | 95.9% | 1,518 | 0.0% |
| PETROLEUM PRODUCTS | H5F | 60 | -77.3% | 10 | 500.0% |
| PETROLEUM PRODUCTS | JCC | 518 | -75.5% | 952 | -45.6% |

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|-------------------------|-----------|---------------------------|---------------------------|----------|---------------------------|--------|
| Energy Futures | | | | | | |
| PETROLEUM PRODUCTS | MME | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | MPE | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | NCC | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | R5E | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | R5F | 156 | 40 | 290.0% | 152 | 2.6% |
| PETROLEUM PRODUCTS | S53 | 12 | 48 | -75.0% | 14 | -14.3% |
| PETROLEUM PRODUCTS | UCS | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | UP5 | 0 | 153 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS | VU | 0 | 14 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS ASIA | MJN | 860 | 1,308 | -34.3% | 535 | 60.7% |
| PETROLEUM PRODUCTS ASIA | MSB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | OB | 67 | 104 | -35.6% | 49 | 36.7% |
| PETRO OUTRIGHT EURO | OC | 40 | 0 | - | 35 | 14.3% |
| PETRO OUTRIGHT EURO | OD | 304 | 784 | -61.2% | 339 | -10.3% |
| PETRO OUTRIGHT EURO | OE | 20 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | OF | 7 | 45 | -84.4% | 9 | -22.2% |
| PETRO OUTRIGHT EURO | 1T | 10 | 0 | - | 10 | 0.0% |
| PETRO OUTRIGHT EURO | 5L | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | 63 | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | 7I | 50 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | 7R | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | 88 | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | CBB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | CGB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | CPB | 142 | 60 | 136.7% | 275 | -48.4% |
| PETRO OUTRIGHT EURO | EFF | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | EFM | 6 | 0 | - | 8 | -25.0% |
| PETRO OUTRIGHT EURO | ENS | 0 | 18 | -100.0% | 0 | - |
| PETRO OUTRIGHT EURO | EWN | 597 | 27 | 2,111.1% | 113 | 428.3% |
| PETRO OUTRIGHT EURO | FLB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | GNO | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | H5G | 0 | 522 | -100.0% | 0 | - |
| PETRO OUTRIGHT EURO | JFB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | M1B | 5,812 | 2,589 | 124.5% | 6,425 | -9.5% |
| PETRO OUTRIGHT EURO | M35 | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | MBB | 0 | 30 | -100.0% | 0 | - |
| PETRO OUTRIGHT EURO | MBN | 1,208 | 1,632 | -26.0% | 1,270 | -4.9% |
| PETRO OUTRIGHT EURO | MEF | 549 | 310 | 77.1% | 575 | -4.5% |
| PETRO OUTRIGHT EURO | R53 | 45 | 36 | 25.0% | 50 | -10.0% |
| PETRO OUTRIGHT EURO | R5B | 10 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | R5M | 3,526 | 1,367 | 157.9% | 2,567 | 37.4% |
| PETRO OUTRIGHT EURO | R5O | 2,053 | 2,997 | -31.5% | 2,275 | -9.8% |
| PETRO OUTRIGHT EURO | RBM | 17 | 10 | 70.0% | 0 | - |
| PETRO OUTRIGHT EURO | S5B | 0 | 1 | -100.0% | 0 | - |
| PETRO OUTRIGHT EURO | S5F | 205 | 344 | -40.4% | 250 | -18.0% |
| PETRO OUTRIGHT EURO | S5M | 3,662 | 3,671 | -0.2% | 3,232 | 13.3% |
| PETRO OUTRIGHT EURO | S5O | 1,839 | 1,659 | 10.8% | 1,931 | -4.8% |
| PETRO OUTRIGHT EURO | SMU | 1,050 | 60 | 1,650.0% | 300 | 250.0% |
| PETRO OUTRIGHT EURO | T0 | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | T2B | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | TMB | 0 | 0 | - | 0 | - |

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|-------------------------------------|-----------|---------------------------|---------------------------|---------|---------------------------|--------|
| Energy Futures | | | | | | |
| PETRO OUTRIGHT EURO | ULB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | UNB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT EURO | V0 | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | A8B | 150 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | AB6 | 60 | 125 | -52.0% | 160 | -62.5% |
| PETRO OUTRIGHT NA | BCR | 1,250 | 425 | 194.1% | 470 | 166.0% |
| PETRO OUTRIGHT NA | DBB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | FCB | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | H5B | 0 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | JE | 380 | 765 | -50.3% | 355 | 7.0% |
| PETRO OUTRIGHT NA | JET | 425 | 850 | -50.0% | 600 | -29.2% |
| PETRO OUTRIGHT NA | JTB | 325 | 0 | - | 0 | - |
| PETRO OUTRIGHT NA | MBL | 214 | 241 | -11.2% | 252 | -15.1% |
| PETRO OUTRIGHT NA | MEN | 183 | 68 | 169.1% | 23 | 695.7% |
| PETRO OUTRIGHT NA | MEO | 875 | 2,211 | -60.4% | 1,065 | -17.8% |
| PETRO OUTRIGHT NA | MFD | 0 | 30 | -100.0% | 0 | - |
| PETRO OUTRIGHT NA | MMF | 65 | 0 | - | 65 | 0.0% |
| PJM AD HUB 5MW REAL TIME | V3 | 33,125 | 76,375 | -56.6% | 35,165 | -5.8% |
| PJM AD HUB 5MW REAL TIME | Z9 | 1,815 | 7,007 | -74.1% | 1,920 | -5.5% |
| PJM BGE DA OFF-PEAK | R3 | 0 | 0 | - | 0 | - |
| PJM BGE DA PEAK | E3 | 0 | 0 | - | 0 | - |
| PJM COMED 5MW D AH O PK | D9 | 0 | 0 | - | 0 | - |
| PJM COMED 5MW D AH PK | D8 | 0 | 0 | - | 0 | - |
| PJM DAILY | JD | 312 | 354 | -11.9% | 296 | 5.4% |
| PJM DAYTON DA OFF-PEAK | R7 | 0 | 15,690 | -100.0% | 0 | - |
| PJM DAYTON DA PEAK | D7 | 0 | 850 | -100.0% | 0 | - |
| PJM NI HUB 5MW REAL TIME | B3 | 1,080 | 3,090 | -65.0% | 1,290 | -16.3% |
| PJM NI HUB 5MW REAL TIME | B6 | 19,450 | 56,525 | -65.6% | 23,530 | -17.3% |
| PJM NILL DA OFF-PEAK | L3 | 0 | 0 | - | 0 | - |
| PJM NILL DA PEAK | N3 | 0 | 0 | - | 0 | - |
| PJM OFF-PEAK LMP SWAP FUT | JP | 0 | 0 | - | 0 | - |
| PJM PECO ZONE5MW PEAK CAL MO DAY AH | 4N | 0 | 0 | - | 0 | - |
| PJM PSEG DA OFF-PEAK | W6 | 0 | 0 | - | 0 | - |
| PJM PSEG DA PEAK | L6 | 0 | 0 | - | 0 | - |
| PJM WESTH DA OFF-PEAK | E4 | 0 | 3,138 | -100.0% | 0 | - |
| PJM WESTHDA PEAK | J4 | 0 | 170 | -100.0% | 0 | - |
| PJM WESTH RT OFF-PEAK | N9 | 249,500 | 353,305 | -29.4% | 257,660 | -3.2% |
| PJM WESTH RT PEAK | L1 | 32,827 | 38,439 | -14.6% | 35,927 | -8.6% |
| PLASTICS | PGP | 1,803 | 4,476 | -59.7% | 1,965 | -8.2% |
| PREMIUM UNLND 10P FOB MED | 3G | 5 | 21 | -76.2% | 5 | 0.0% |
| PREMIUM UNLEAD 10PPM FOB | 8G | 0 | 0 | - | 0 | - |
| PREM UNL GAS 10PPM RDAM FOB BALMO | 7N | 0 | 0 | - | 0 | - |
| PREM UNL GAS 10PPM RDAM FOB SWAP | 7L | 0 | 0 | - | 0 | - |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S | 465 | 863 | -46.1% | 826 | -43.7% |
| PROPANE NON-LDH MT. BEL (OPIS) SWP | 1R | 54,167 | 53,058 | 2.1% | 55,101 | -1.7% |
| RBOB CALENDAR SWAP | RL | 17,870 | 13,900 | 28.6% | 15,103 | 18.3% |
| RBOB CRACK SPREAD | RM | 13,008 | 3,385 | 284.3% | 13,562 | -4.1% |
| RBOB CRACK SPREAD BALMO S | 1E | 0 | 0 | - | 0 | - |
| RBOB GASOLINE BALMO CLNDR | 1D | 411 | 1,031 | -60.1% | 1,183 | -65.3% |
| RBOB PHY | RBL | 0 | 0 | 0.0% | 0 | 0.0% |
| RBOB VS HEATING OIL SWAP | RH | 495 | 750 | -34.0% | 565 | -12.4% |
| SAN JUAN BASIS SWAP | NJ | 0 | 184 | -100.0% | 0 | - |

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|-----------------------------------|-----|---------------------------|---------------------------|---------|---------------------------|---------|
| Energy Futures | | | | | | |
| SAN JUAN PIPE SWAP | XX | 0 | 0 | - | 0 | - |
| SINGAPORE 180CST BALMO | BS | 0 | 0 | - | 0 | - |
| SINGAPORE 380CST BALMO | BT | 0 | 0 | - | 0 | - |
| SINGAPORE 380CST FUEL OIL | SE | 445 | 492 | -9.6% | 422 | 5.5% |
| SINGAPORE FUEL 180CST CAL | UA | 0 | 27 | -100.0% | 0 | - |
| SINGAPORE FUEL OIL SPREAD | SD | 0 | 120 | -100.0% | 0 | - |
| SINGAPORE GASOIL | MAF | 469 | 265 | 77.0% | 507 | -7.5% |
| SINGAPORE GASOIL | MTB | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL | MTS | 731 | 653 | 11.9% | 558 | 31.0% |
| SINGAPORE GASOIL | SBM | 0 | 102 | -100.0% | 0 | - |
| SINGAPORE GASOIL | STZ | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | GHS | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | MGO | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | MSG | 1,408 | 1,664 | -15.4% | 1,286 | 9.5% |
| SINGAPORE GASOIL SWAP | SG | 3,927 | 1,100 | 257.0% | 4,565 | -14.0% |
| SINGAPORE GASOIL VS ICE | GA | 3,936 | 3,309 | 18.9% | 2,321 | 69.6% |
| SINGAPORE JET KERO BALMO | BX | 0 | 0 | - | 0 | - |
| SINGAPORE JET KERO GASOIL | RK | 1,050 | 0 | - | 500 | 110.0% |
| SINGAPORE JET KEROSENE SW | KS | 570 | 705 | -19.1% | 785 | -27.4% |
| SINGAPORE MOGAS 92 UNLEADED BALMO | 1P | 10 | 0 | - | 0 | - |
| SINGAPORE MOGAS 92 UNLEADED SWP | 1N | 1,025 | 8,274 | -87.6% | 1,167 | -12.2% |
| SING FUEL | MSD | 0 | 0 | - | 0 | - |
| Sumas Basis Swap | NK | 0 | 0 | - | 0 | - |
| TC2 ROTTERDAM TO USAC 37K | TM | 15 | 90 | -83.3% | 45 | -66.7% |
| TC5 RAS TANURA TO YOKOHAM | TH | 90 | 495 | -81.8% | 105 | -14.3% |
| TCO BASIS SWAP | TC | 0 | 368 | -100.0% | 0 | - |
| TD3 MEG TO JAPAN 250K MT | TL | 5,541 | 6,648 | -16.7% | 5,911 | -6.3% |
| TEXAS EASTERN ZONE M-3 BA | NX | 0 | 306 | -100.0% | 0 | - |
| TRANSCO ZONE4 BASIS SWAP | TR | 0 | 630 | -100.0% | 0 | - |
| TRANSCO ZONE 6 BASIS SWAP | NZ | 0 | 0 | - | 0 | - |
| UCM FUT | UCM | 0 | 0 | - | 0 | - |
| UK NBP NAT GAS CAL MTH FUT | UKG | 0 | 241 | -100.0% | 25 | -100.0% |
| ULSD UP-DOWN BALMO SWP | 1L | 2,275 | 2,365 | -3.8% | 4,530 | -49.8% |
| UP DOWN GC ULSD VS NMX HO | LT | 55,288 | 71,344 | -22.5% | 51,941 | 6.4% |
| WAHA BASIS | NW | 0 | 224 | -100.0% | 0 | - |
| WTI-BRENT BULLET SWAP | BY | 0 | 51 | -100.0% | 0 | - |
| WTI-BRENT CALENDAR SWAP | BK | 95,985 | 99,880 | -3.9% | 94,324 | 1.8% |
| WTI CALENDAR | CS | 158,747 | 169,994 | -6.6% | 159,871 | -0.7% |
| WTI MIDLAND CRUDE OIL | WTL | 780 | 200 | 290.0% | 975 | -20.0% |
| WTS (ARGUS) VS WTI SWAP | FF | 51,296 | 80,230 | -36.1% | 53,050 | -3.3% |
| WTS (ARGUS) VS WTI TRD MT | FH | 9,384 | 9,272 | 1.2% | 10,059 | -6.7% |
| Energy Options | | | | | | |
| BRENT CALENDAR SWAP | BA | 3,229 | 5,058 | -36.2% | 2,887 | 11.8% |
| BRENT CRUDE OIL 1 M CSO | 9C | 47,900 | 11,700 | 309.4% | 56,000 | -14.5% |
| BRENT OIL LAST DAY | BE | 120,327 | 61,150 | 96.8% | 123,372 | -2.5% |
| BRENT OIL LAST DAY | BZO | 57,650 | 60,539 | -4.8% | 67,840 | -15.0% |
| BRENT OIL LAST DAY | OS | 0 | 0 | - | 0 | - |
| COAL API2 INDEX | CLA | 0 | 0 | - | 0 | - |
| COAL API2 INDEX | CQA | 0 | 0 | - | 0 | - |
| COAL API2 INDEX | F2C | 670 | 0 | - | 670 | 0.0% |
| COAL API2 INDEX | F2Q | 385 | 0 | - | 285 | 35.1% |
| CRUDE OIL | 6Y | 0 | 0 | - | 0 | 0.0% |

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| Energy Options | | | | | | |
| CRUDE OIL 1MO | WA | 339,015 | 432,397 | -21.6% | 309,750 | 9.4% |
| CRUDE OIL APO | AO | 241,654 | 327,300 | -26.2% | 252,317 | -4.2% |
| CRUDE OIL CALNDR STRIP | 6F | 0 | 50 | -100.0% | 0 | - |
| CRUDE OIL OUTRIGHTS | AH | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | WCI | 0 | 0 | - | 0 | - |
| CRUDE OIL PHY | CD | 0 | 0 | - | 0 | - |
| CRUDE OIL PHY | LC | 29,369 | 38,791 | -24.3% | 29,555 | -0.6% |
| CRUDE OIL PHY | LO | 2,105,098 | 1,955,470 | 7.7% | 2,009,832 | 4.7% |
| CRUDE OIL PHY | LO1 | 6,277 | 2,747 | 128.5% | 9,907 | -36.6% |
| CRUDE OIL PHY | LO2 | 591 | 107 | 452.3% | 2,092 | -71.7% |
| CRUDE OIL PHY | LO3 | 76 | 27 | 181.5% | 589 | -87.1% |
| CRUDE OIL PHY | LO4 | 0 | 0 | - | 26 | -100.0% |
| CRUDE OIL PHY | LO5 | 0 | 0 | 0.0% | 0 | - |
| ELEC FINSETTLED | PJN | 43 | 0 | - | 43 | 0.0% |
| ETHANOL SWAP | CVR | 6,416 | 10,405 | -38.3% | 7,056 | -9.1% |
| ETHANOL SWAP | GVR | 0 | 690 | -100.0% | 0 | - |
| FREIGHT MARKETS | TDT | 0 | 0 | - | 0 | - |
| HEATING OIL CRK SPD AVG PRICE OPTIONS | 3W | 3,875 | 0 | - | 3,930 | -1.4% |
| HEATING OIL PHY | LB | 1,089 | 428 | 154.4% | 1,208 | -9.9% |
| HEATING OIL PHY | OH | 11,667 | 20,964 | -44.3% | 10,499 | 11.1% |
| HENRY HUB FINANCIAL LAST | E7 | 38,333 | 31,323 | 22.4% | 39,317 | -2.5% |
| HO 1 MONTH CLNDR OPTIONS | FA | 0 | 0 | - | 0 | - |
| LLS CRUDE OIL | WJO | 0 | 0 | - | 0 | - |
| LLS CRUDE OIL | WTO | 400 | 0 | - | 500 | -20.0% |
| MCCLOSKEY ARA ARGS COAL | MTO | 1,023 | 5,517 | -81.5% | 783 | 30.7% |
| MCCLOSKEY RCH BAY COAL | MFO | 0 | 100 | -100.0% | 0 | - |
| NATURAL GAS 1 M CSO FIN | G4 | 89,500 | 120,950 | -26.0% | 70,650 | 26.7% |
| NATURAL GAS 2 M CSO FIN | G2 | 5,800 | 5,100 | 13.7% | 5,800 | 0.0% |
| NATURAL GAS 3 M CSO FIN | G3 | 47,896 | 157,110 | -69.5% | 43,546 | 10.0% |
| NATURAL GAS 5 M CSO FIN | G5 | 2,000 | 0 | - | 2,000 | 0.0% |
| NATURAL GAS 6 M CSO FIN | G6 | 15,350 | 0 | - | 500 | 2,970.0% |
| NATURAL GAS OPT | JKO | 8,950 | 0 | - | 7,450 | 20.1% |
| NATURAL GAS OPT | TFO | 62,220 | 96,900 | -35.8% | 84,480 | -26.3% |
| NATURAL GAS OPTION ON CALENDAR STRP | 6J | 42,184 | 20,420 | 106.6% | 35,704 | 18.1% |
| NATURAL GAS PHY | KD | 0 | 0 | 0.0% | 0 | 0.0% |
| NATURAL GAS PHY | LN | 2,362,233 | 2,403,687 | -1.7% | 2,341,928 | 0.9% |
| NATURAL GAS PHY | ON | 58,720 | 74,561 | -21.2% | 52,131 | 12.6% |
| NATURAL GAS SUMMER STRIP | 4D | 0 | 400 | -100.0% | 0 | - |
| NATURAL GAS WINTER STRIP | 6I | 0 | 600 | -100.0% | 0 | - |
| N ROCKIES PIPE SWAP | ZR | 0 | 0 | - | 0 | - |
| NY HARBOR HEAT OIL SWP | AT | 6,093 | 10,842 | -43.8% | 6,105 | -0.2% |
| PETROCHEMICALS | 4H | 5,334 | 603 | 784.6% | 4,962 | 7.5% |
| PETROCHEMICALS | 4J | 915 | 630 | 45.2% | 1,015 | -9.9% |
| PETROCHEMICALS | 4K | 0 | 0 | - | 0 | - |
| PETROCHEMICALS | CPR | 90 | 63 | 42.9% | 90 | 0.0% |
| PETRO OUTRIGHT EURO | BCO | 0 | 12 | -100.0% | 0 | - |
| PETRO OUTRIGHT NA | 1N5 | 0 | 200 | -100.0% | 0 | - |
| PETRO OUTRIGHT NA | DAP | 1,080 | 990 | 9.1% | 945 | 14.3% |
| PJM WES HUB PEAK CAL MTH | 6OA | 850 | 1,510 | -43.7% | 850 | 0.0% |
| PJM WES HUB PEAK LMP 50MW | PMA | 172 | 512 | -66.4% | 216 | -20.4% |
| RBOB 1MO CAL SPD OPTIONS | ZA | 0 | 0 | - | 0 | - |
| RBOB CALENDAR SWAP | RA | 1,244 | 499 | 149.3% | 1,424 | -12.6% |

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|--------------------------|-----|---------------------------|---------------------------|--------|---------------------------|--------|
| Energy Options | | | | | | |
| RBOB CRACK | RX | 0 | 0 | - | 0 | - |
| RBOB PHY | OB | 17,581 | 8,619 | 104.0% | 17,899 | -1.8% |
| RBOB PHY | RF | 4 | 290 | -98.6% | 23 | -82.6% |
| SAN JUAN PIPE SWAP | PJ | 0 | 0 | - | 0 | - |
| SHORT TERM | U11 | 0 | 0 | - | 0 | - |
| SHORT TERM | U12 | 0 | 0 | - | 0 | - |
| SHORT TERM | U13 | 0 | 0 | - | 0 | - |
| SHORT TERM | U14 | 0 | 0 | - | 0 | - |
| SHORT TERM | U15 | 0 | 0 | - | 0 | - |
| SHORT TERM | U22 | 0 | 0 | - | 0 | - |
| SHORT TERM | U23 | 0 | 0 | - | 0 | - |
| SHORT TERM | U24 | 0 | 0 | - | 0 | - |
| SHORT TERM | U25 | 0 | 0 | - | 0 | - |
| SHORT TERM | U26 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U01 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U02 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U03 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U04 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U05 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U06 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U07 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U08 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U09 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U10 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U16 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U17 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U18 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U19 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U20 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U21 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U27 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U28 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U29 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U30 | 0 | 0 | - | 0 | - |
| SHORT TERM NATURAL GAS | U31 | 0 | 0 | - | 0 | - |
| WTI-BRENT BULLET SWAP | BV | 200,465 | 168,200 | 19.2% | 188,815 | 6.2% |
| WTI CRUDE OIL 1 M CSO FI | 7A | 147,850 | 253,385 | -41.7% | 220,725 | -33.0% |
| Metals Futures | | | | | | |
| COMEX GOLD | GC | 488,404 | 559,609 | -12.7% | 455,621 | 7.2% |
| NYMEX HOT ROLLED STEEL | HR | 29,882 | 21,869 | 36.6% | 34,398 | -13.1% |
| NYMEX PLATINUM | PL | 61,712 | 54,287 | 13.7% | 57,305 | 7.7% |
| PALLADIUM | PA | 10,193 | 10,189 | 0.0% | 9,276 | 9.9% |
| URANIUM | UX | 1,280 | 322 | 297.5% | 1,160 | 10.3% |
| COMEX SILVER | SI | 144,930 | 193,375 | -25.1% | 155,488 | -6.8% |
| COMEX E-Mini GOLD | QO | 2,069 | 1,830 | 13.1% | 2,250 | -8.0% |
| COMEX E-Mini SILVER | QI | 571 | 693 | -17.6% | 550 | 3.8% |
| COMEX COPPER | HG | 214,550 | 229,957 | -6.7% | 199,612 | 7.5% |
| COMEX MINY COPPER | QC | 473 | 119 | 297.5% | 382 | 23.8% |
| ALUMINUM | A38 | 147 | 0 | - | 174 | -15.5% |
| ALUMINUM | AEP | 12,195 | 10,640 | 14.6% | 8,832 | 38.1% |

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| Metals Futures | | | | | |
| ALUMINUM ALA | 1,350 | 639 | 111.3% | 1,520 | -11.2% |
| ALUMINUM ALI | 420 | 176 | 138.6% | 384 | 9.4% |
| ALUMINUM AUP | 23,239 | 37,975 | -38.8% | 24,240 | -4.1% |
| ALUMINUM CUP | 0 | 0 | - | 0 | - |
| ALUMINUM EDP | 15,104 | 14,552 | 3.8% | 13,249 | 14.0% |
| ALUMINUM MJP | 3,150 | 4,205 | -25.1% | 2,660 | 18.4% |
| COBALT METAL FUTURES COB | 1,750 | 0 | - | 1,780 | -1.7% |
| COPPER HGS | 21,579 | 19,765 | 9.2% | 20,673 | 4.4% |
| FERROUS PRODUCTS BUS | 4,351 | 3,958 | 9.9% | 4,696 | -7.3% |
| GOLD 4GC | 0 | 58 | -100.0% | 0 | - |
| GOLD SGC | 596 | 140 | 325.7% | 362 | 64.6% |
| GOLD SGU | 533 | 128 | 316.4% | 430 | 24.0% |
| HOT ROLLED COIL STEEL FUTURES EHR | 2,294 | 910 | 152.1% | 2,420 | -5.2% |
| IRON ORE 62 CHINA PLATTS FUTURES PIO | 0 | 0 | - | 0 | - |
| IRON ORE 62 CHINA TSI FUTURES TIO | 0 | 0 | - | 0 | - |
| IRON ORE CHINA TIO | 1,544 | 3,195 | -51.7% | 1,714 | -9.9% |
| LNDN ZINC ZNC | 0 | 0 | - | 0 | - |
| METALS HDG | 0 | 25 | -100.0% | 0 | - |
| METALS LTH | 0 | 0 | - | 0 | - |
| MICRO GOLD MGC | 23,023 | 25,147 | -8.4% | 30,351 | -24.1% |
| SILVER SIL | 7,672 | 4,804 | 59.7% | 7,720 | -0.6% |
| Metals Options | | | | | |
| ALUMINUM ALO | 2,250 | 150 | 1,400.0% | 2,250 | 0.0% |
| COMEX COPPER HX | 66,499 | 17,632 | 277.1% | 67,845 | -2.0% |
| COMEX GOLD OG | 774,560 | 1,243,838 | -37.7% | 780,011 | -0.7% |
| COMEX SILVER SO | 107,348 | 134,185 | -20.0% | 98,939 | 8.5% |
| COPPER H1E | 0 | 0 | - | 9 | -100.0% |
| COPPER H2E | 0 | 0 | - | 0 | - |
| COPPER H3E | 0 | 0 | - | 0 | - |
| COPPER H4E | 0 | 0 | - | 0 | - |
| COPPER H5E | 0 | 0 | - | 0 | - |
| GOLD OG1 | 10,991 | 10,833 | 1.5% | 17,741 | -38.0% |
| GOLD OG2 | 4,294 | 3,155 | 36.1% | 11,411 | -62.4% |
| GOLD OG3 | 881 | 1,216 | -27.5% | 3,053 | -71.1% |
| GOLD OG4 | 0 | 0 | - | 165 | -100.0% |
| GOLD OG5 | 0 | 0 | 0.0% | 0 | - |
| HOT ROLLED COIL STEEL CALL OPTION HRO | 0 | 0 | - | 0 | - |
| HOT ROLLED COIL STEEL PUT OPTION HRO | 0 | 0 | - | 0 | - |
| IRON ORE 62 CHINA TSI CALL OPTION ICT | 0 | 0 | - | 0 | - |
| IRON ORE 62 CHINA TSI PUT OPTION ICT | 0 | 0 | - | 0 | - |
| IRON ORE CHINA ICT | 2,204 | 4,880 | -54.8% | 1,794 | 22.9% |
| NYMEX HOT ROLLED STEEL HRO | 955 | 50 | 1,810.0% | 1,480 | -35.5% |
| NYMEX PLATINUM PO | 14,522 | 2,468 | 488.4% | 14,714 | -1.3% |
| PALLADIUM PAO | 1,586 | 1,315 | 20.6% | 1,480 | 7.2% |
| SILVER SO1 | 2,074 | 639 | 224.6% | 1,854 | 11.9% |
| SILVER SO2 | 716 | 563 | 27.2% | 1,533 | -53.3% |
| SILVER SO3 | 200 | 203 | -1.5% | 380 | -47.4% |
| SILVER SO4 | 0 | 0 | - | 21 | -100.0% |
| SILVER SO5 | 0 | 0 | 0.0% | 0 | - |



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|----------------------------|---------------------------|---------------------------|--------------|---------------------------|--------------|
| TOTAL FUTURES GROUP | | | | | |
| Ag Products Futures | 0 | 0 | - | 0 | - |
| Energy Futures | 7,978,758 | 8,173,852 | -2.4% | 8,121,969 | -1.8% |
| Metals Futures | 1,073,011 | 1,198,567 | -10.5% | 1,037,247 | 3.4% |
| TOTAL FUTURES | 9,051,769 | 9,372,419 | -3.4% | 9,159,216 | -1.2% |
| TOTAL OPTIONS GROUP | | | | | |
| Energy Options | 6,091,618 | 6,290,846 | -3.2% | 6,015,716 | 1.3% |
| Metals Options | 989,080 | 1,421,127 | -30.4% | 1,004,680 | -1.6% |
| TOTAL OPTIONS | 7,080,698 | 7,711,973 | -8.2% | 7,020,396 | 0.9% |
| TOTAL COMBINED | | | | | |
| Ag Products | 0 | 0 | - | 0 | - |
| Energy | 14,070,376 | 14,464,698 | -2.7% | 14,137,685 | -0.5% |
| Metals | 2,062,091 | 2,619,694 | -21.3% | 2,041,927 | 1.0% |
| GRAND TOTAL | 16,132,467 | 17,084,392 | -5.6% | 16,179,612 | -0.3% |