

NYMEX/COMEX Exchange Open Interest Report - Monthly

| Commodity | Open Interest SEP 2021 | Open Interest SEP 2020 | % CHG | Open Interest AUG 2021 | % CHG | |
|-------------------------------------|---------------------------|---------------------------|-----------|---------------------------|-----------|---------|
| Ag Products Futures | | | | | | |
| COCOA TAS | CJ | 0 | 0 | - | 0 | - |
| COFFEE | KT | 0 | 0 | - | 0 | - |
| COTTON | TT | 0 | 1 | -100.0% | 0 | - |
| SUGAR 11 | YO | 0 | 0 | - | 0 | - |
| Energy Futures | | | | | | |
| CRUDE OIL PHY | CL | 2,176,724 | 2,078,629 | 4.7% | 2,074,185 | 4.9% |
| CRUDE OIL | WS | 8 | 86 | -90.7% | 8 | 0.0% |
| MINY WTI CRUDE OIL | QM | 5,667 | 2,466 | 129.8% | 3,232 | 75.3% |
| BRENT OIL LAST DAY | BZ | 205,686 | 200,119 | 2.8% | 213,369 | -3.6% |
| HEATING OIL PHY | HO | 435,578 | 425,022 | 2.5% | 391,410 | 11.3% |
| HTG OIL | BH | 128 | 128 | 0.0% | 138 | -7.2% |
| MINY HTG OIL | QH | 0 | 0 | 0.0% | 2 | -100.0% |
| RBOB PHY | RB | 321,248 | 358,508 | -10.4% | 332,615 | -3.4% |
| MINY RBOB GAS | QU | 1 | 0 | 0.0% | 0 | 0.0% |
| NATURAL GAS | HP | 150,044 | 113,395 | 32.3% | 151,299 | -0.8% |
| LTD NAT GAS | HH | 563,174 | 328,589 | 71.4% | 547,541 | 2.9% |
| MINY NATURAL GAS | QG | 6,922 | 3,972 | 74.3% | 5,710 | 21.2% |
| PJM MONTHLY | JM | 0 | 0 | - | 0 | - |
| NATURAL GAS PHY | NG | 1,366,597 | 1,271,456 | 7.5% | 1,433,792 | -4.7% |
| RBOB GAS | RT | 74 | 86 | -14.0% | 81 | -8.6% |
| 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 | 14,105 | 8,008 | 76.1% | 21,315 | -33.8% |
| ARGUS PROPAN FAR EST INDE | 7E | 5,828 | 4,972 | 17.2% | 5,559 | 4.8% |
| ARGUS PROPAN(SAUDI ARAMCO | 9N | 1,696 | 2,095 | -19.0% | 1,578 | 7.5% |
| AUSTRIALIAN COKE COAL | ALW | 0 | 0 | - | 0 | - |
| BRENT BALMO SWAP | J9 | 300 | 76 | 294.7% | 125 | 140.0% |
| BRENT CALENDAR SWAP | CY | 18,898 | 12,359 | 52.9% | 10,953 | 72.5% |
| BRENT FINANCIAL FUTURES | BB | 0 | 0 | - | 0 | - |
| BRENT FINANCIAL FUTURES | MBC | 0 | 20 | -100.0% | 0 | - |
| BRENT FINANCIAL FUTURES | MDB | 4 | 110 | -96.4% | 13 | -69.2% |
| 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 | 1,881 | 0 | - | 835 | 125.3% |
| CAR VINTAGE | NGO | 7,128 | 0 | - | 6,092 | 17.0% |
| CENTERPOINT BASIS SWAP | PW | 0 | 0 | - | 0 | - |
| CHICAGO ETHANOL SWAP | CU | 36,482 | 28,170 | 29.5% | 32,909 | 10.9% |
| CHICAGO ULSD PL VS HO SPR | 5C | 996 | 1,925 | -48.3% | 1,216 | -18.1% |
| CHICAGO UNL GAS PL VS RBO | 3C | 0 | 195 | -100.0% | 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 | 0 | 0.0% | 0 | - |
| CIN HUB 5MW REAL TIME O P | H4 | 0 | 8,288 | -100.0% | 0 | - |
| CIN HUB 5MW REAL TIME PK | H3 | 0 | 448 | -100.0% | 0 | - |
| COAL SWAP | ACM | 0 | 0 | - | 0 | - |
| COLUMB GULF MAINLINE NG B | 5Z | 0 | 66 | -100.0% | 0 | - |
| CONWAY NATURAL GASOLINE (OPIS) SWAP | 8L | 2,328 | 910 | 155.8% | 2,396 | -2.8% |

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| Energy Futures | | | | | | |
| CONWAY NORMAL BUTANE (OPIS) SWAP | 8M | 1,674 | 1,817 | -7.9% | 1,568 | 6.8% |
| CONWAY PROPANE 5 DECIMALS SWAP | 8K | 27,075 | 27,023 | 0.2% | 25,379 | 6.7% |
| CRUDE OIL | LPS | 0 | 3,050 | -100.0% | 0 | - |
| CRUDE OIL LAST DAY | 26 | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | 42 | 572 | 236 | 142.4% | 518 | 10.4% |
| CRUDE OIL OUTRIGHTS | CC5 | 3,054 | 1,245 | 145.3% | 3,195 | -4.4% |
| CRUDE OIL OUTRIGHTS | CSW | 1,865 | 105 | 1,676.2% | 2,750 | -32.2% |
| CRUDE OIL OUTRIGHTS | DAB | 0 | 60 | -100.0% | 0 | - |
| CRUDE OIL OUTRIGHTS | DBL | 0 | 0 | - | 0 | - |
| CRUDE OIL OUTRIGHTS | GSW | 2,251 | 2,400 | -6.2% | 2,477 | -9.1% |
| CRUDE OIL OUTRIGHTS | HTT | 123,436 | 149,333 | -17.3% | 130,162 | -5.2% |
| CRUDE OIL OUTRIGHTS | LSW | 3,941 | 2,253 | 74.9% | 3,300 | 19.4% |
| CRUDE OIL OUTRIGHTS | WCW | 8,314 | 5,022 | 65.6% | 8,191 | 1.5% |
| CRUDE OIL PHY | CLL | 0 | 0 | 0.0% | 0 | 0.0% |
| CRUDE OIL PHY | HCL | 0 | 300 | -100.0% | 0 | - |
| CRUDE OIL PHY | MCL | 7,761 | 0 | - | 12,666 | -38.7% |
| CRUDE OIL SPRDS | 38 | 0 | 0 | - | 0 | - |
| CRUDE OIL SPRDS | ANT | 2,126 | 480 | 342.9% | 1,704 | 24.8% |
| CRUDE OIL SPRDS | HIL | 13,344 | 21,560 | -38.1% | 14,220 | -6.2% |
| CRUDE OIL SPRDS | WTT | 73,355 | 86,950 | -15.6% | 75,540 | -2.9% |
| CRUDE OIL TRADE AT MARKER SINGAPORE | CLS | 0 | 0 | 0.0% | 0 | 0.0% |
| DAILY PJM | AOR | 480 | 1,440 | -66.7% | 480 | 0.0% |
| DAILY PJM | IDO | 18,848 | 16,800 | 12.2% | 17,936 | 5.1% |
| DAILY PJM | NOC | 960 | 480 | 100.0% | 960 | 0.0% |
| DAILY PJM | PAP | 0 | 270 | -100.0% | 0 | - |
| DAILY PJM | PEO | 0 | 4,800 | -100.0% | 0 | - |
| DAILY PJM | PNO | 0 | 0 | - | 0 | - |
| DAILY PJM | PNP | 0 | 0 | - | 0 | - |
| DAILY PJM | PWO | 0 | 960 | -100.0% | 0 | - |
| DAILY PJM | PWP | 0 | 54 | -100.0% | 0 | - |
| DAILY PJM | WOR | 1,920 | 2,400 | -20.0% | 1,920 | 0.0% |
| DAILY PJM | ZAO | 0 | 960 | -100.0% | 0 | - |
| DAILY PJM | ZGO | 9,920 | 27,360 | -63.7% | 9,440 | 5.1% |
| DAILY PJM | ZJO | 0 | 1,440 | -100.0% | 0 | - |
| DATED BRENT (PLATTS) DAILY SWAP | 7G | 0 | 0 | - | 0 | - |
| DATED TO FRONTLINE BRENT | FY | 785 | 200 | 292.5% | 370 | 112.2% |
| DIESEL 10P BRG FOB RDM VS | 7X | 0 | 0 | - | 0 | - |
| DOMINION TRAN INC - APP I | IH | 0 | 0 | - | 0 | - |
| DOMINION TRANSMISSION INC | PG | 18 | 678 | -97.3% | 36 | -50.0% |
| 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 | 15,243 | 24,019 | -36.5% | 17,543 | -13.1% |
| EAST/WEST FUEL OIL SPREAD | EW | 0 | 4 | -100.0% | 0 | - |
| EIA FLAT TAX ONHWAY DIESE | A5 | 2,820 | 3,896 | -27.6% | 3,362 | -16.1% |
| ELEC FINSETTLED | 47 | 0 | 170 | -100.0% | 0 | - |
| ELEC MISO PEAK | 4L | 0 | 0 | - | 0 | - |
| ELEC NYISO OFF-PEAK | 4M | 0 | 0 | - | 0 | - |
| ELECTRICITY OFF PEAK | 46 | 0 | 3,138 | -100.0% | 0 | - |
| ELECTRICITY OFF PEAK | 4P | 0 | 0 | - | 0 | - |
| ETHANOL | MTH | 0 | 0 | 0.0% | 0 | - |
| ETHANOL | Z1B | 0 | 0 | - | 0 | - |
| ETHANOL SWAP | MT2 | 690 | 475 | 45.3% | 835 | -17.4% |

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| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1 | 8,161 | 6,491 | 25.7% | 6,839 | 19.3% |
| EURO 1% FUEL OIL NEW BALM | KX | 0 | 0 | - | 0 | - |
| EURO 3.5% FUEL OIL RDAM B | KR | 10 | 0 | - | 0 | - |
| EURO 3.5% FUEL OIL SPREAD | FK | 0 | 0 | - | 0 | - |
| EURO GASOIL 10PPM VS ICE | ET | 1,082 | 0 | - | 708 | 52.8% |
| EUROPE 1% FUEL OIL NWE CA | UF | 74 | 0 | - | 76 | -2.6% |
| EUROPE 1% FUEL OIL RDAM C | UH | 0 | 0 | - | 0 | - |
| EUROPE 3.5% FUEL OIL MED | UI | 0 | 0 | - | 0 | - |
| EUROPE 3.5% FUEL OIL RDAM | UV | 227 | 946 | -76.0% | 160 | 41.9% |
| EUROPEAN GASOIL (ICE) | 7F | 3,381 | 95 | 3,458.9% | 3,375 | 0.2% |
| EUROPEAN NAPHTHA BALMO | KZ | 23 | 0 | - | 0 | - |
| EUROPEAN NAPHTHA CRACK SPR | EN | 7,243 | 3,353 | 116.0% | 5,889 | 23.0% |
| EUROPE DATED BRENT SWAP | UB | 12 | 34 | -64.7% | 13 | -7.7% |
| EUROPE JET KERO NWE CALSW | UJ | 10 | 0 | - | 10 | 0.0% |
| EUROPE NAPHTHA CALSWAP | UN | 1,280 | 907 | 41.1% | 1,367 | -6.4% |
| EURO PROPANE CIF ARA SWA | PS | 2,559 | 2,696 | -5.1% | 2,335 | 9.6% |
| FREIGHT MARKETS | ACB | 0 | 320 | -100.0% | 0 | - |
| FREIGHT MARKETS | BF1 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | BF2 | 111 | 270 | -58.9% | 141 | -21.3% |
| FREIGHT MARKETS | BF3 | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | BL2 | 95 | 0 | - | 40 | 137.5% |
| FREIGHT MARKETS | FLJ | 43 | 0 | - | 36 | 19.4% |
| FREIGHT MARKETS | FLP | 247 | 873 | -71.7% | 297 | -16.8% |
| FREIGHT MARKETS | FRC | 60 | 40 | 50.0% | 60 | 0.0% |
| FREIGHT MARKETS | FRS | 0 | 0 | - | 0 | - |
| FREIGHT MARKETS | T2D | 295 | 640 | -53.9% | 250 | 18.0% |
| FREIGHT MARKETS | T7C | 0 | 50 | -100.0% | 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 | 60 | -100.0% | 0 | - |
| FUEL OIL CRACK VS ICE | FO | 1,832 | 3,137 | -41.6% | 1,936 | -5.4% |
| FUEL OIL NWE CRACK VS ICE | FI | 72 | 52 | 38.5% | 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 | 36 | 208 | -82.7% | 45 | -20.0% |
| GAS EURO-BOB OXY NWE BARGES | 7H | 1,792 | 2,596 | -31.0% | 1,658 | 8.1% |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K | 15,646 | 17,307 | -9.6% | 13,811 | 13.3% |
| 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 | 17 | 0 | - | 25 | -32.0% |
| GASOIL 0.1 ROTTERDAM BARG | VL | 83 | 25 | 232.0% | 78 | 6.4% |
| GASOIL 10PPM VS ICE SWAP | TP | 0 | 0 | - | 0 | - |
| GASOIL CALENDAR SWAP | GX | 352 | 66 | 433.3% | 178 | 97.8% |
| GASOIL CRACK SPREAD CALEN | GZ | 7,269 | 3,679 | 97.6% | 5,862 | 24.0% |
| GASOIL MINI CALENDAR SWAP | QA | 1,452 | 1,075 | 35.1% | 1,597 | -9.1% |
| GERMAN POWER BASELOAD CAL MONTH FUT | DEB | 418 | 1,221 | -65.8% | 575 | -27.3% |
| GROUP THREE ULSD (PLATTS) | A7 | 0 | 0 | - | 0 | - |
| GROUP THREE UNLEAD GAS (P | A9 | 0 | 0 | - | 0 | - |
| GRP THREE ULSD(PLT)VS HEA | A6 | 8,065 | 7,740 | 4.2% | 8,225 | -1.9% |
| GRP THREE UNL GS (PLT) VS | A8 | 4,258 | 2,495 | 70.7% | 4,499 | -5.4% |

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| Energy Futures | | | | | | |
| GULF COAST 3% FUEL OIL BA | VZ | 0 | 35 | -100.0% | 605 | -100.0% |
| GULF COAST JET FUEL CLNDR | GE | 0 | 2,495 | -100.0% | 0 | - |
| GULF COAST JET VS NYM 2 H | ME | 19,835 | 17,931 | 10.6% | 23,986 | -17.3% |
| GULF COAST NO.6 FUEL OIL | MF | 3,008 | 11,342 | -73.5% | 3,220 | -6.6% |
| GULF COAST NO.6 FUEL OIL | MG | 5,875 | 140 | 4,096.4% | 3,435 | 71.0% |
| GULF COAST ULSD CALENDAR | LY | 2,859 | 5,256 | -45.6% | 3,515 | -18.7% |
| GULF COAST ULSD CRACK SPR | GY | 40 | 360 | -88.9% | 50 | -20.0% |
| HEATING OIL BALMO CLNDR S | 1G | 200 | 0 | - | 318 | -37.1% |
| 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 | 620 | -100.0% | 0 | - |
| HENRY HUB FINANCIAL LAST | NBP | 0 | 75 | -100.0% | 0 | - |
| HENRY HUB INDEX SWAP FUTU | IN | 0 | 1,708 | -100.0% | 0 | - |
| HENRY HUB SWAP | NN | 543,173 | 707,030 | -23.2% | 550,722 | -1.4% |
| HOUSTON SHIP CHANNEL BASI | NH | 460 | 3,021 | -84.8% | 610 | -24.6% |
| ICE BRENT DUBAI SWAP | DB | 2,772 | 12,927 | -78.6% | 3,333 | -16.8% |
| 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 | 50 | -100.0% | 0 | - |
| INDIANA MISO | PTD | 0 | 49 | -100.0% | 0 | - |
| INDONESIAN COAL ICI4 | ICI | 60 | 298 | -79.9% | 196 | -69.4% |
| JAPAN C&F NAPHTHA CRACK S | JB | 0 | 0 | - | 0 | - |
| JAPAN C&F NAPHTHA SWAP | JA | 207 | 379 | -45.4% | 167 | 24.0% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 12 | 0 | - | 0 | - |
| JET AV FUEL (P) CAR FM ICE GAS SWAP | 1V | 0 | 0 | - | 0 | - |
| JET CIF NWE VS ICE | JC | 741 | 20 | 3,605.0% | 673 | 10.1% |
| JET FUEL CRG CIF NEW VS I | 6X | 0 | 0 | - | 0 | - |
| JET FUEL UP-DOWN BALMO CL | 1M | 3,040 | 2,310 | 31.6% | 3,170 | -4.1% |
| JKM LNG Futures | JKM | 2,761 | 7,864 | -64.9% | 3,050 | -9.5% |
| LA CARB DIESEL (OPIS) SWA | KL | 620 | 313 | 98.1% | 695 | -10.8% |
| LA CARBOB GASOLINE(OPIS)S | JL | 0 | 0 | - | 0 | - |
| LA JET (OPIS) SWAP | JS | 1,220 | 647 | 88.6% | 1,315 | -7.2% |
| LLS (ARGUS) CALENDAR SWAP | XA | 0 | 125 | -100.0% | 10 | -100.0% |
| LLS (ARGUS) VS WTI SWAP | WJ | 2,598 | 6,139 | -57.7% | 2,773 | -6.3% |
| LOS ANGELES CARB GASOLINE | MH | 0 | 0 | - | 0 | - |
| MARS (ARGUS) VS WTI SWAP | YX | 340 | 200 | 70.0% | 350 | -2.9% |
| MARS (ARGUS) VS WTI TRD M | YV | 15,090 | 16,574 | -9.0% | 16,075 | -6.1% |
| MARS BLEND CRUDE OIL | MB | 0 | 0 | - | 0 | - |
| MCCLOSKEY ARA ARGS COAL | MTF | 18,164 | 15,133 | 20.0% | 18,246 | -0.4% |
| MCCLOSKEY RCH BAY COAL | MFF | 1,232 | 953 | 29.3% | 1,012 | 21.7% |
| MGF FUT | MGF | 0 | 0 | - | 0 | - |
| MGN1 SWAP FUT | MGN | 0 | 120 | -100.0% | 0 | - |
| MICHIGAN BASIS | NF | 0 | 124 | -100.0% | 0 | - |
| MICHIGAN MISO | HMO | 0 | 0 | - | 0 | - |
| MICHIGAN MISO | HMW | 0 | 0 | - | 0 | - |
| MINI GAS EUROBOB OXY NWE ARGS BALMO | MEB | 17 | 0 | - | 10 | 70.0% |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | MXR | 0 | 640 | -100.0% | 0 | - |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | MXB | 1,117 | 1,015 | 10.0% | 1,160 | -3.7% |
| MJC FUT | MJC | 40 | 20 | 100.0% | 40 | 0.0% |
| MNC FUT | MNC | 2,222 | 1,074 | 106.9% | 1,815 | 22.4% |
| MONT BELVIEU ETHANE 5 DECIMAL | CO | 53,976 | 65,695 | -17.8% | 52,489 | 2.8% |

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| MONT BELVIEU ETHANE OPIS BALMO | 8C | 665 | 1,295 | -48.6% | 245 | 171.4% |
| MONT BELVIEU LDH PROPANE 5 DECIMAL | B0 | 132,814 | 138,631 | -4.2% | 133,168 | -0.3% |
| MONT BELVIEU LDH PROPANE OPIS BALMO | 8O | 3,363 | 1,513 | 122.3% | 2,609 | 28.9% |
| MONT BELVIEU NATURAL GASOLINE 5 DEC | 7Q | 32,970 | 36,475 | -9.6% | 31,907 | 3.3% |
| MONT BELVIEU NATURAL GASOLINE BALMO | R0 | 1,195 | 1,060 | 12.7% | 849 | 40.8% |
| MONT BELVIEU NORMAL BUTANE 5 DECIMAL | D0 | 64,768 | 67,056 | -3.4% | 60,557 | 7.0% |
| MONT BELVIEU NORMAL BUTANE BALMO | 8J | 1,448 | 1,216 | 19.1% | 1,150 | 25.9% |
| NAT GAS BASIS SWAP | TZ6 | 0 | 0 | - | 0 | - |
| NATURAL GAS PEN SWP | NP | 204,059 | 193,464 | 5.5% | 210,794 | -3.2% |
| NEPOOL INTR HUB 5MW D AH | H2 | 29,564 | 194,123 | -84.8% | 45,068 | -34.4% |
| NEPOOL INTR HUB 5MW D AH | U6 | 1,679 | 9,085 | -81.5% | 2,267 | -25.9% |
| 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 | 896 | 1,155 | -22.4% | 896 | 0.0% |
| NEW YORK ETHANOL SWAP | EZ | 345 | 835 | -58.7% | 200 | 72.5% |
| NEW YORK HUB ZONE G PEAK | GN | 320 | 1,353 | -76.3% | 320 | 0.0% |
| NEW YORK HUB ZONE J PEAK | JN | 0 | 264 | -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 | - |
| NORTHEN NATURAL GAS DEMAR | PE | 0 | 0 | - | 0 | - |
| NORTHEN NATURAL GAS VENTU | PF | 0 | 0 | - | 0 | - |
| NORTHWEST ROCKIES BASIS S | NR | 0 | 184 | -100.0% | 0 | - |
| N ROCKIES PIPE SWAP | XR | 0 | 0 | - | 0 | - |
| NY1% VS GC SPREAD SWAP | VR | 120 | 578 | -79.2% | 150 | -20.0% |
| 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 | 9,257 | 11,220 | -17.5% | 8,487 | 9.1% |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 1,105 | 640 | 72.7% | 1,305 | -15.3% |
| NY HARBOR RESIDUAL FUEL 1 | MM | 675 | 1,182 | -42.9% | 575 | 17.4% |
| NY HARBOR RESIDUAL FUEL C | ML | 0 | 0 | - | 0 | - |
| NYH NO 2 CRACK SPREAD CAL | HK | 9,414 | 2,787 | 237.8% | 8,962 | 5.0% |
| NYISO CAPACITY | LHV | 0 | 83 | -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 | 1,586 | -100.0% | 0 | - |
| NYISO ZONE A 5MW D AH PK | K3 | 0 | 0 | - | 0 | - |
| NYISO ZONE G 5MW D AH O P | D2 | 0 | 98,066 | -100.0% | 8,160 | -100.0% |
| NYISO ZONE G 5MW D AH PK | T3 | 6,815 | 9,922 | -31.3% | 7,025 | -3.0% |
| NYISO ZONE J 5MW D AH O P | D4 | 0 | 2,379 | -100.0% | 0 | - |
| NYISO ZONE J 5MW D AH PK | D3 | 0 | 336 | -100.0% | 0 | - |
| NYMEX ALUMINUM FUTURES | AN | 0 | 0 | - | 0 | - |
| NYMEX ULSD VS NYMEX HO | UY | 0 | 0 | - | 0 | - |
| NY ULSD (ARGUS) VS HEATING OIL | 7Y | 41 | 1,763 | -97.7% | 53 | -22.6% |
| 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 | 39 | 453 | -91.4% | 77 | -49.4% |
| PERMIAN BASIS SWAP | PM | 0 | 828 | -100.0% | 0 | - |
| PETROCHEMICALS | 22 | 216 | 112 | 92.9% | 104 | 107.7% |
| PETROCHEMICALS | 32 | 39 | 65 | -40.0% | 32 | 21.9% |

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|--------------------------|---------------------------|---------------------------|--------|---------------------------|--------|---------|
| Energy Futures | | | | | | |
| PETROCHEMICALS | 3NA | 51 | 14 | 264.3% | 48 | 6.3% |
| PETROCHEMICALS | 51 | 0 | 10 | -100.0% | 0 | - |
| PETROCHEMICALS | 81 | 60 | 0 | - | 60 | 0.0% |
| PETROCHEMICALS | 8I | 7,333 | 6,786 | 8.1% | 7,753 | -5.4% |
| PETROCHEMICALS | 91 | 1,042 | 757 | 37.6% | 949 | 9.8% |
| PETROCHEMICALS | MAA | 45 | 130 | -65.4% | 70 | -35.7% |
| PETROCHEMICALS | MAE | 2,043 | 2,278 | -10.3% | 1,974 | 3.5% |
| PETROCHEMICALS | MAS | 676 | 572 | 18.2% | 881 | -23.3% |
| PETROCHEMICALS | MBE | 60 | 140 | -57.1% | 95 | -36.8% |
| PETROCHEMICALS | MNB | 1,590 | 1,290 | 23.3% | 1,553 | 2.4% |
| PETROCHEMICALS | MPS | 1,611 | 1,514 | 6.4% | 1,418 | 13.6% |
| PETROCHEMICALS | PMF | 5 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STI | 0 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STR | 0 | 80 | -100.0% | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STS | 175 | 250 | -30.0% | 200 | -12.5% |
| PETRO CRCKS & SPRDS NA | CRB | 28,372 | 14,068 | 101.7% | 23,318 | 21.7% |
| PETRO CRCKS & SPRDS NA | EXR | 1,040 | 1,481 | -29.8% | 1,142 | -8.9% |
| PETRO CRCKS & SPRDS NA | FOC | 0 | 240 | -100.0% | 0 | - |
| PETRO CRCKS & SPRDS NA | GBB | 55 | 0 | - | 300 | -81.7% |
| PETRO CRCKS & SPRDS NA | GCC | 0 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | GCI | 50 | 666 | -92.5% | 50 | 0.0% |
| PETRO CRCKS & SPRDS NA | GCM | 0 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | GCU | 690 | 4,071 | -83.1% | 850 | -18.8% |
| PETRO CRCKS & SPRDS NA | GFC | 460 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | HOB | 4,743 | 7,871 | -39.7% | 4,000 | 18.6% |
| PETRO CRCKS & SPRDS NA | MFR | 72 | 0 | - | 114 | -36.8% |
| PETRO CRCKS & SPRDS NA | NYF | 0 | 0 | - | 0 | - |
| PETRO CRCKS & SPRDS NA | RBB | 3,467 | 9,372 | -63.0% | 3,984 | -13.0% |
| PETRO CRCKS & SPRDS NA | RVG | 570 | 4,213 | -86.5% | 1,483 | -61.6% |
| PETRO CRCKS & SPRDS NA | SF3 | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | 1NB | 183 | 675 | -72.9% | 203 | -9.9% |
| PETRO CRK&SPRD EURO | 43 | 0 | 0 | - | 5 | -100.0% |
| PETRO CRK&SPRD EURO | BFR | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | BOB | 630 | 1,176 | -46.4% | 480 | 31.3% |
| PETRO CRK&SPRD EURO | EOB | 0 | 6 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | EPN | 879 | 980 | -10.3% | 773 | 13.7% |
| PETRO CRK&SPRD EURO | EVC | 418 | 134 | 211.9% | 327 | 27.8% |
| PETRO CRK&SPRD EURO | FBT | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | FVB | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | GCB | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | GOC | 0 | 4 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | MGB | 60 | 0 | - | 60 | 0.0% |
| PETRO CRK&SPRD EURO | MUD | 0 | 30 | -100.0% | 0 | - |
| PETRO CRK&SPRD EURO | NBB | 0 | 0 | - | 0 | - |
| PETRO CRK&SPRD EURO | NOB | 484 | 565 | -14.3% | 344 | 40.7% |
| PETRO CRK&SPRD EURO | SFB | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | 1NM | 100 | 20 | 400.0% | 120 | -16.7% |
| PETROLEUM PRODUCTS | BEB | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | BEF | 2 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | CMS | 60 | 0 | - | 160 | -62.5% |
| PETROLEUM PRODUCTS | EWG | 1,903 | 825 | 130.7% | 1,311 | 45.2% |
| PETROLEUM PRODUCTS | H5F | 0 | 234 | -100.0% | 30 | -100.0% |

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| Energy Futures | | | | | | |
| PETROLEUM PRODUCTS | JCC | 522 | 1,550 | -66.3% | 708 | -26.3% |
| PETROLEUM PRODUCTS | MME | 0 | 60 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS | MPE | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | NCC | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | R5E | 0 | 0 | - | 0 | - |
| PETROLEUM PRODUCTS | R5F | 129 | 46 | 180.4% | 141 | -8.5% |
| PETROLEUM PRODUCTS | S53 | 8 | 40 | -80.0% | 10 | -20.0% |
| PETROLEUM PRODUCTS | UCS | 0 | 65 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS | UP5 | 0 | 117 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS | VU | 0 | 75 | -100.0% | 0 | - |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 5 | -100.0% | 10 | -100.0% |
| PETROLEUM PRODUCTS ASIA | MJN | 760 | 861 | -11.7% | 709 | 7.2% |
| PETROLEUM PRODUCTS ASIA | MSB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | OB | 176 | 90 | 95.6% | 198 | -11.1% |
| PETRO OUTFRIGHT EURO | OC | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | OD | 210 | 608 | -65.5% | 294 | -28.6% |
| PETRO OUTFRIGHT EURO | OE | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | OF | 3 | 10 | -70.0% | 5 | -40.0% |
| PETRO OUTFRIGHT EURO | 1T | 10 | 0 | - | 10 | 0.0% |
| PETRO OUTFRIGHT EURO | 5L | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | 63 | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | 7I | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | 7R | 5 | 22 | -77.3% | 32 | -84.4% |
| PETRO OUTFRIGHT EURO | 88 | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | CBB | 0 | 0 | - | 11 | -100.0% |
| PETRO OUTFRIGHT EURO | CGB | 0 | 15 | -100.0% | 0 | - |
| PETRO OUTFRIGHT EURO | CPB | 167 | 140 | 19.3% | 176 | -5.1% |
| PETRO OUTFRIGHT EURO | EFF | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | EFM | 2 | 0 | - | 4 | -50.0% |
| PETRO OUTFRIGHT EURO | ENS | 0 | 12 | -100.0% | 0 | - |
| PETRO OUTFRIGHT EURO | EWN | 474 | 17 | 2,688.2% | 666 | -28.8% |
| PETRO OUTFRIGHT EURO | FLB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | GNO | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | H5G | 0 | 358 | -100.0% | 0 | - |
| PETRO OUTFRIGHT EURO | JFB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | M1B | 4,416 | 3,694 | 19.5% | 4,554 | -3.0% |
| PETRO OUTFRIGHT EURO | M35 | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | MBB | 30 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | MBN | 977 | 1,350 | -27.6% | 1,065 | -8.3% |
| PETRO OUTFRIGHT EURO | MEF | 581 | 275 | 111.3% | 704 | -17.5% |
| PETRO OUTFRIGHT EURO | MQA | 30 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | R53 | 67 | 24 | 179.2% | 40 | 67.5% |
| PETRO OUTFRIGHT EURO | R5B | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | R5M | 4,431 | 1,091 | 306.1% | 4,134 | 7.2% |
| PETRO OUTFRIGHT EURO | R5O | 1,904 | 2,766 | -31.2% | 1,893 | 0.6% |
| PETRO OUTFRIGHT EURO | RBM | 7 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | S5B | 0 | 4 | -100.0% | 0 | - |
| PETRO OUTFRIGHT EURO | S5F | 220 | 399 | -44.9% | 207 | 6.3% |
| PETRO OUTFRIGHT EURO | S5M | 3,404 | 3,828 | -11.1% | 3,294 | 3.3% |
| PETRO OUTFRIGHT EURO | S5O | 2,203 | 2,050 | 7.5% | 2,006 | 9.8% |
| PETRO OUTFRIGHT EURO | SMU | 1,200 | 40 | 2,900.0% | 1,200 | 0.0% |
| PETRO OUTFRIGHT EURO | T0 | 0 | 0 | - | 0 | - |

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| Energy Futures | | | | | | |
| PETRO OUTFRIGHT EURO | T2B | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | TMB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | ULB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | UNB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT EURO | V0 | 234 | 0 | - | 168 | 39.3% |
| PETRO OUTFRIGHT NA | A8B | 75 | 0 | - | 300 | -75.0% |
| PETRO OUTFRIGHT NA | AB6 | 50 | 22 | 127.3% | 0 | - |
| PETRO OUTFRIGHT NA | BCR | 1,525 | 100 | 1,425.0% | 1,310 | 16.4% |
| PETRO OUTFRIGHT NA | DBB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT NA | FCB | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT NA | H5B | 0 | 0 | - | 0 | - |
| PETRO OUTFRIGHT NA | JE | 260 | 645 | -59.7% | 330 | -21.2% |
| PETRO OUTFRIGHT NA | JET | 1,475 | 2,100 | -29.8% | 625 | 136.0% |
| PETRO OUTFRIGHT NA | JTB | 340 | 0 | - | 0 | - |
| PETRO OUTFRIGHT NA | MBL | 136 | 209 | -34.9% | 175 | -22.3% |
| PETRO OUTFRIGHT NA | MEN | 87 | 0 | - | 35 | 148.6% |
| PETRO OUTFRIGHT NA | MEO | 941 | 1,042 | -9.7% | 850 | 10.7% |
| PETRO OUTFRIGHT NA | MFD | 0 | 20 | -100.0% | 0 | - |
| PETRO OUTFRIGHT NA | MMF | 0 | 0 | - | 0 | - |
| PJM AD HUB 5MW REAL TIME | V3 | 29,245 | 64,495 | -54.7% | 31,165 | -6.2% |
| PJM AD HUB 5MW REAL TIME | Z9 | 1,600 | 5,243 | -69.5% | 1,705 | -6.2% |
| 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 | 286 | 9.1% | 312 | 0.0% |
| PJM DAYTON DA OFF-PEAK | R7 | 0 | 7,930 | -100.0% | 0 | - |
| PJM DAYTON DA PEAK | D7 | 0 | 420 | -100.0% | 0 | - |
| PJM NI HUB 5MW REAL TIME | B3 | 650 | 2,880 | -77.4% | 860 | -24.4% |
| PJM NI HUB 5MW REAL TIME | B6 | 11,690 | 52,565 | -77.8% | 15,530 | -24.7% |
| 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 | 1,586 | -100.0% | 0 | - |
| PJM WESTHDA PEAK | J4 | 0 | 84 | -100.0% | 0 | - |
| PJM WESTH RT OFF-PEAK | N9 | 233,980 | 333,505 | -29.8% | 241,660 | -3.2% |
| PJM WESTH RT PEAK | L1 | 26,455 | 31,719 | -16.6% | 29,563 | -10.5% |
| PLASTICS | PGP | 2,264 | 3,846 | -41.1% | 1,869 | 21.1% |
| PREMIUM UNLD 10P FOB MED | 3G | 0 | 21 | -100.0% | 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 | 879 | 942 | -6.7% | 2,171 | -59.5% |
| PROPANE NON-LDH MT. BEL (OPIS) SWP | 1R | 52,291 | 59,534 | -12.2% | 55,062 | -5.0% |
| RBOB CALENDAR SWAP | RL | 14,588 | 13,676 | 6.7% | 17,319 | -15.8% |
| RBOB CRACK SPREAD | RM | 12,042 | 2,695 | 346.8% | 12,375 | -2.7% |
| RBOB CRACK SPREAD BALMO S | 1E | 0 | 0 | - | 0 | - |
| RBOB GASOLINE BALMO CLNDR | 1D | 1,885 | 295 | 539.0% | 1,825 | 3.3% |
| RBOB PHY | RBL | 0 | 0 | 0.0% | 0 | 0.0% |

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| Energy Futures | | | | | | |
| RBOB VS HEATING OIL SWAP | RH | 430 | 700 | -38.6% | 575 | -25.2% |
| SAN JUAN BASIS SWAP | NJ | 0 | 62 | -100.0% | 0 | - |
| SAN JUAN PIPE SWAP | XX | 0 | 0 | - | 0 | - |
| SINGAPORE 180CST BALMO | BS | 0 | 0 | - | 0 | - |
| SINGAPORE 380CST BALMO | BT | 10 | 0 | - | 0 | - |
| SINGAPORE 380CST FUEL OIL | SE | 321 | 293 | 9.6% | 395 | -18.7% |
| SINGAPORE FUEL 180CST CAL | UA | 0 | 19 | -100.0% | 0 | - |
| SINGAPORE FUEL OIL 180 CS | GMS | 12 | 0 | - | 0 | - |
| SINGAPORE FUEL OIL SPREAD | SD | 0 | 70 | -100.0% | 0 | - |
| SINGAPORE GASOIL | MAF | 591 | 243 | 143.2% | 527 | 12.1% |
| SINGAPORE GASOIL | MTB | 0 | 0 | - | 18 | -100.0% |
| SINGAPORE GASOIL | MTS | 901 | 421 | 114.0% | 904 | -0.3% |
| SINGAPORE GASOIL | SBM | 25 | 57 | -56.1% | 8 | 212.5% |
| SINGAPORE GASOIL | STZ | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | GHS | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | MGO | 0 | 0 | - | 0 | - |
| SINGAPORE GASOIL CALENDAR | MSG | 1,652 | 1,844 | -10.4% | 1,773 | -6.8% |
| SINGAPORE GASOIL SWAP | SG | 2,656 | 1,339 | 98.4% | 3,263 | -18.6% |
| SINGAPORE GASOIL VS ICE | GA | 5,111 | 2,243 | 127.9% | 4,721 | 8.3% |
| SINGAPORE JET KERO BALMO | BX | 0 | 0 | - | 0 | - |
| SINGAPORE JET KERO GASOIL | RK | 2,040 | 0 | - | 1,490 | 36.9% |
| SINGAPORE JET KEROSENE SW | KS | 600 | 775 | -22.6% | 455 | 31.9% |
| SINGAPORE MOGAS 92 UNLEADED BALMO | 1P | 300 | 0 | - | 0 | - |
| SINGAPORE MOGAS 92 UNLEADED SWP | 1N | 1,567 | 6,883 | -77.2% | 1,267 | 23.7% |
| SING FUEL | MSD | 0 | 0 | - | 0 | - |
| Sumas Basis Swap | NK | 0 | 0 | - | 0 | - |
| TC2 ROTTERDAM TO USAC 37K | TM | 15 | 60 | -75.0% | 15 | 0.0% |
| TC5 RAS TANURA TO YOKOHAM | TH | 195 | 315 | -38.1% | 75 | 160.0% |
| TCO BASIS SWAP | TC | 0 | 124 | -100.0% | 0 | - |
| TD3 MEG TO JAPAN 250K MT | TL | 5,310 | 6,531 | -18.7% | 5,238 | 1.4% |
| TEXAS EASTERN ZONE M-3 BA | NX | 0 | 1,241 | -100.0% | 0 | - |
| TRANSCO ZONE4 BASIS SWAP | TR | 0 | 376 | -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 | 180 | -100.0% | 0 | - |
| ULSD UP-DOWN BALMO SWP | 1L | 3,670 | 4,220 | -13.0% | 2,930 | 25.3% |
| UP DOWN GC ULSD VS NMX HO | LT | 67,425 | 51,352 | 31.3% | 64,646 | 4.3% |
| WAHA BASIS | NW | 0 | 92 | -100.0% | 0 | - |
| WTI-BRENT BULLET SWAP | BY | 0 | 17 | -100.0% | 0 | - |
| WTI-BRENT CALENDAR SWAP | BK | 97,990 | 92,137 | 6.4% | 91,855 | 6.7% |
| WTI CALENDAR | CS | 151,765 | 153,779 | -1.3% | 148,395 | 2.3% |
| WTI MIDLAND CRUDE OIL | WTL | 840 | 100 | 740.0% | 1,260 | -33.3% |
| WTS (ARGUS) VS WTI SWAP | FF | 44,430 | 74,145 | -40.1% | 48,031 | -7.5% |
| WTS (ARGUS) VS WTI TRD MT | FH | 8,261 | 9,802 | -15.7% | 8,709 | -5.1% |
| Energy Options | | | | | | |
| BRENT CALENDAR SWAP | BA | 2,263 | 1,802 | 25.6% | 2,703 | -16.3% |
| BRENT CRUDE OIL 1 M CSO | 9C | 155,700 | 7,500 | 1,976.0% | 145,550 | 7.0% |
| BRENT OIL LAST DAY | BE | 111,612 | 115,531 | -3.4% | 119,821 | -6.9% |
| BRENT OIL LAST DAY | BZO | 58,003 | 79,648 | -27.2% | 52,076 | 11.4% |
| BRENT OIL LAST DAY | OS | 0 | 25 | -100.0% | 0 | - |
| COAL API2 INDEX | CLA | 0 | 0 | - | 0 | - |
| COAL API2 INDEX | CQA | 0 | 0 | - | 0 | - |

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| Energy Options | | | | | | |
| COAL API2 INDEX | F2C | 880 | 0 | - | 640 | 37.5% |
| COAL API2 INDEX | F2Q | 100 | 0 | - | 385 | -74.0% |
| CRUDE OIL | 6Y | 0 | 0 | - | 0 | - |
| CRUDE OIL 1MO | WA | 306,110 | 425,840 | -28.1% | 320,180 | -4.4% |
| CRUDE OIL APO | AO | 226,570 | 269,440 | -15.9% | 225,815 | 0.3% |
| 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 | 33,483 | 36,187 | -7.5% | 29,383 | 14.0% |
| CRUDE OIL PHY | LO | 2,180,292 | 1,805,238 | 20.8% | 2,032,727 | 7.3% |
| CRUDE OIL PHY | LO1 | 15,351 | 5,587 | 174.8% | 8,263 | 85.8% |
| CRUDE OIL PHY | LO2 | 4,536 | 1,152 | 293.7% | 883 | 413.7% |
| CRUDE OIL PHY | LO3 | 0 | 1,022 | -100.0% | 215 | -100.0% |
| CRUDE OIL PHY | LO4 | 251 | 40 | 527.5% | 162 | 54.9% |
| CRUDE OIL PHY | LO5 | 36 | 0 | - | 0 | - |
| ELEC FINSETTLED | PJN | 43 | 43 | 0.0% | 43 | 0.0% |
| ETHANOL SWAP | CVR | 5,888 | 11,640 | -49.4% | 6,049 | -2.7% |
| ETHANOL SWAP | GVR | 0 | 360 | -100.0% | 0 | - |
| FREIGHT MARKETS | TDT | 0 | 0 | - | 0 | - |
| HEATING OIL CRK SPD AVG PRICE OPTIONS | 3W | 4,215 | 0 | - | 3,820 | 10.3% |
| HEATING OIL PHY | FZ | 275 | 0 | - | 1,000 | -72.5% |
| HEATING OIL PHY | LB | 825 | 499 | 65.3% | 1,020 | -19.1% |
| HEATING OIL PHY | OH | 28,351 | 16,915 | 67.6% | 11,054 | 156.5% |
| HENRY HUB FINANCIAL LAST | E7 | 31,157 | 34,117 | -8.7% | 34,085 | -8.6% |
| HO 1 MONTH CLNDR OPTIONS | FA | 200 | 0 | - | 0 | - |
| LLS CRUDE OIL | WJO | 0 | 0 | - | 0 | - |
| LLS CRUDE OIL | WTO | 200 | 1,400 | -85.7% | 300 | -33.3% |
| MCCLOSKEY ARA ARGS COAL | MTO | 726 | 4,467 | -83.7% | 924 | -21.4% |
| MCCLOSKEY RCH BAY COAL | MFO | 0 | 0 | - | 0 | - |
| NATURAL GAS 1 M CSO FIN | G4 | 133,275 | 141,225 | -5.6% | 107,850 | 23.6% |
| NATURAL GAS 2 M CSO FIN | G2 | 16,200 | 5,200 | 211.5% | 16,200 | 0.0% |
| NATURAL GAS 3 M CSO FIN | G3 | 0 | 0 | - | 52,880 | -100.0% |
| NATURAL GAS 5 M CSO FIN | G5 | 0 | 1,000 | -100.0% | 4,150 | -100.0% |
| NATURAL GAS 6 M CSO FIN | G6 | 27,200 | 15,400 | 76.6% | 25,700 | 5.8% |
| NATURAL GAS OPT | JKO | 6,280 | 0 | - | 7,390 | -15.0% |
| NATURAL GAS OPT | TFO | 39,200 | 74,690 | -47.5% | 46,080 | -14.9% |
| NATURAL GAS OPTION ON CALENDAR STRP | 6J | 47,384 | 21,020 | 125.4% | 47,384 | 0.0% |
| NATURAL GAS PHY | KD | 0 | 0 | 0.0% | 0 | - |
| NATURAL GAS PHY | LN | 2,504,976 | 2,225,751 | 12.5% | 2,580,834 | -2.9% |
| NATURAL GAS PHY | ON | 73,799 | 52,633 | 40.2% | 59,464 | 24.1% |
| 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 | 7,725 | 8,213 | -5.9% | 6,519 | 18.5% |
| PETROCHEMICALS | 4H | 7,974 | 645 | 1,136.3% | 7,461 | 6.9% |
| PETROCHEMICALS | 4J | 1,315 | 630 | 108.7% | 815 | 61.3% |
| PETROCHEMICALS | 4K | 0 | 0 | - | 0 | - |
| PETROCHEMICALS | CPR | 30 | 21 | 42.9% | 60 | -50.0% |
| PETRO OUTRIGHT EURO | BCO | 0 | 8 | -100.0% | 0 | - |
| PETRO OUTRIGHT NA | 1N5 | 0 | 200 | -100.0% | 0 | - |
| PETRO OUTRIGHT NA | DAP | 1,000 | 840 | 19.0% | 1,040 | -3.8% |



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| Commodity | Open Interest SEP 2021 | Open Interest SEP 2020 | % CHG | Open Interest AUG 2021 | % CHG | |
|---------------------------|---------------------------|---------------------------|---------|---------------------------|---------|---------|
| Energy Options | | | | | | |
| PJM WES HUB PEAK CAL MTH | 60A | 850 | 1,510 | -43.7% | 850 | 0.0% |
| PJM WES HUB PEAK LMP 50MW | PMA | 88 | 512 | -82.8% | 130 | -32.3% |
| RBOB 1MO CAL SPD OPTIONS | ZA | 0 | 0 | - | 0 | - |
| RBOB CALENDAR SWAP | RA | 826 | 540 | 53.0% | 1,035 | -20.2% |
| RBOB CRACK | RX | 0 | 0 | - | 0 | - |
| RBOB PHY | OB | 10,875 | 8,021 | 35.6% | 12,378 | -12.1% |
| RBOB PHY | RF | 0 | 0 | - | 0 | - |
| 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 | - | 150 | -100.0% |
| 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 | 0.0% | 0 | - |
| SHORT TERM NATURAL GAS | U30 | 0 | 0 | 0.0% | 0 | - |
| SHORT TERM NATURAL GAS | U31 | 0 | 0 | - | 0 | - |
| WTI-BRENT BULLET SWAP | BV | 220,575 | 159,280 | 38.5% | 188,900 | 16.8% |
| WTI CRUDE OIL 1 M CSO FI | 7A | 103,700 | 210,215 | -50.7% | 134,950 | -23.2% |
| Metals Futures | | | | | | |
| COMEX GOLD | GC | 487,410 | 555,967 | -12.3% | 507,113 | -3.9% |
| NYMEX HOT ROLLED STEEL | HR | 41,655 | 23,780 | 75.2% | 31,337 | 32.9% |
| NYMEX PLATINUM | PL | 61,910 | 54,143 | 14.3% | 67,072 | -7.7% |
| PALLADIUM | PA | 9,548 | 9,132 | 4.6% | 8,595 | 11.1% |
| URANIUM | UX | 960 | 302 | 217.9% | 1,160 | -17.2% |
| COMEX SILVER | SI | 140,479 | 154,828 | -9.3% | 140,937 | -0.3% |
| COMEX E-Mini GOLD | QO | 1,893 | 2,621 | -27.8% | 2,095 | -9.6% |
| COMEX E-Mini SILVER | QI | 661 | 840 | -21.3% | 521 | 26.9% |

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|-----------------------------------|-----|---------------------------|---------------------------|----------|---------------------------|----------|
| Metals Futures | | | | | | |
| COMEX COPPER | HG | 183,473 | 238,885 | -23.2% | 190,030 | -3.5% |
| COMEX MINY COPPER | QC | 561 | 257 | 118.3% | 393 | 42.7% |
| ALUMINUM | A38 | 90 | 0 | - | 120 | -25.0% |
| ALUMINUM | AEP | 9,960 | 11,323 | -12.0% | 11,500 | -13.4% |
| ALUMINUM | ALA | 1,245 | 536 | 132.3% | 1,260 | -1.2% |
| ALUMINUM | ALI | 513 | 139 | 269.1% | 507 | 1.2% |
| ALUMINUM | AUP | 22,923 | 36,696 | -37.5% | 23,246 | -1.4% |
| ALUMINUM | CUP | 0 | 0 | - | 0 | - |
| ALUMINUM | EDP | 15,108 | 12,317 | 22.7% | 14,318 | 5.5% |
| ALUMINUM | MJP | 2,440 | 4,445 | -45.1% | 2,915 | -16.3% |
| COBALT METAL FUTURES | COB | 1,837 | 0 | - | 1,842 | -0.3% |
| COPPER | HGS | 19,399 | 18,349 | 5.7% | 20,515 | -5.4% |
| FERROUS PRODUCTS | BUS | 4,348 | 3,352 | 29.7% | 4,349 | 0.0% |
| GOLD | 4GC | 0 | 81 | -100.0% | 0 | - |
| GOLD | SGC | 354 | 212 | 67.0% | 734 | -51.8% |
| GOLD | SGU | 627 | 705 | -11.1% | 733 | -14.5% |
| HOT ROLLED COIL STEEL FUTURES | EHR | 1,997 | 722 | 176.6% | 2,129 | -6.2% |
| IRON ORE 62 CHINA PLATTS FUTURES | PIO | 0 | 0 | - | 0 | - |
| IRON ORE 62 CHINA TSI FUTURES | TIO | 0 | 0 | - | 0 | - |
| IRON ORE CHINA | TIO | 2,392 | 2,964 | -19.3% | 1,818 | 31.6% |
| LNDN ZINC | ZNC | 0 | 0 | - | 0 | - |
| METALS | HDG | 100 | 20 | 400.0% | 0 | - |
| METALS | LTH | 5 | 0 | - | 0 | - |
| MICRO GOLD | MGC | 32,027 | 72,241 | -55.7% | 32,324 | -0.9% |
| SILVER | SIL | 6,034 | 4,926 | 22.5% | 6,559 | -8.0% |
| Metals Options | | | | | | |
| ALUMINUM | ALO | 1,850 | 90 | 1,955.6% | 2,050 | -9.8% |
| COMEX COPPER | HX | 68,197 | 13,619 | 400.7% | 55,266 | 23.4% |
| COMEX GOLD | OG | 745,900 | 1,115,927 | -33.2% | 727,034 | 2.6% |
| COMEX SILVER | SO | 104,148 | 124,880 | -16.6% | 95,849 | 8.7% |
| COPPER | H1E | 1 | 0 | - | 2 | -50.0% |
| COPPER | H2E | 1 | 0 | - | 0 | - |
| COPPER | H3E | 1 | 0 | - | 0 | - |
| COPPER | H4E | 0 | 0 | - | 0 | - |
| COPPER | H5E | 0 | 0 | - | 0 | - |
| GOLD | OG1 | 15,986 | 13,140 | 21.7% | 12,768 | 25.2% |
| GOLD | OG2 | 9,145 | 7,763 | 17.8% | 4,577 | 99.8% |
| GOLD | OG3 | 3,387 | 2,615 | 29.5% | 3,925 | -13.7% |
| GOLD | OG4 | 413 | 33 | 1,151.5% | 107 | 286.0% |
| GOLD | OG5 | 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 | 1,624 | 2,960 | -45.1% | 2,004 | -19.0% |
| NYMEX HOT ROLLED STEEL | HRO | 1,555 | 625 | 148.8% | 1,055 | 47.4% |
| NYMEX PLATINUM | PO | 11,060 | 1,679 | 558.7% | 16,933 | -34.7% |
| PALLADIUM | PAO | 731 | 1,651 | -55.7% | 1,486 | -50.8% |
| SILVER | SO1 | 1,451 | 1,306 | 11.1% | 1,702 | -14.7% |
| SILVER | SO2 | 936 | 470 | 99.1% | 888 | 5.4% |
| SILVER | SO3 | 475 | 124 | 283.1% | 217 | 118.9% |
| SILVER | SO4 | 19 | 52 | -63.5% | 1 | 1,800.0% |



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|----------------------------|-----------|---------------------------|---------------------------|--------------|---------------------------|-------------|
| Metals Options | | | | | | |
| SILVER | SO5 | 0 | 0 | - | 0 | - |
| TOTAL FUTURES GROUP | | | | | | |
| Ag Products | Futures | 0 | 1 | -100.0% | 0 | - |
| Energy | Futures | 7,761,716 | 8,037,093 | -3.4% | 7,727,057 | 0.4% |
| Metals | Futures | 1,049,949 | 1,209,783 | -13.2% | 1,074,122 | -2.3% |
| TOTAL FUTURES | | 8,811,665 | 9,246,877 | -4.7% | 8,801,179 | 0.1% |
| TOTAL OPTIONS GROUP | | | | | | |
| Energy | Options | 6,370,339 | 5,747,057 | 10.8% | 6,299,318 | 1.1% |
| Metals | Options | 966,880 | 1,286,934 | -24.9% | 925,864 | 4.4% |
| TOTAL OPTIONS | | 7,337,219 | 7,033,991 | 4.3% | 7,225,182 | 1.6% |
| TOTAL COMBINED | | | | | | |
| Ag Products | | 0 | 1 | -100.0% | 0 | - |
| Energy | | 14,132,055 | 13,784,150 | 2.5% | 14,026,375 | 0.8% |
| Metals | | 2,016,829 | 2,496,717 | -19.2% | 1,999,986 | 0.8% |
| GRAND TOTAL | | 16,148,884 | 16,280,868 | -0.8% | 16,026,361 | 0.8% |