



NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity | | VOLUME NOV 2021 | VOLUME NOV 2020 | % CHG | VOIUME OCT 2021 | % CHG | VOLUME Y.T.D 2021 | VOLUME Y.T.D 2020 | % CHG |
|----------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Ag Products Futures | | | | | | | | | |
| COCOA TAS | CJ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| COFFEE | KT | 0 | 0 | 0.0% | 0 | 0.0% | 2 | 2 | 0.0% |
| COTTON | TT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 57 | -100.0% |
| SUGAR 11 | YO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 10 | -100.0% |
| Energy Futures | | | | | | | | | |
| CRUDE OIL PHY | CL | 22,982,482 | 17,680,268 | 30.0% | 24,524,061 | -6.3% | 230,984,726 | 258,746,203 | -10.7% |
| CRUDE OIL | WS | 0 | 10,000 | -100.0% | 0 | 0.0% | 3,732 | 31,422 | -88.1% |
| MINY WTI CRUDE OIL | QM | 618,678 | 300,288 | 106.0% | 431,708 | 43.3% | 4,781,553 | 6,555,526 | -27.1% |
| BRENT OIL LAST DAY | BZ | 2,227,127 | 1,821,166 | 22.3% | 2,115,787 | 5.3% | 22,473,372 | 24,472,707 | -8.2% |
| HEATING OIL PHY | HO | 3,817,258 | 3,420,396 | 11.6% | 3,886,372 | -1.8% | 35,906,565 | 41,027,253 | -12.5% |
| HTG OIL | BH | 0 | 0 | 0.0% | 12 | -100.0% | 124 | 108 | 14.8% |
| MINY HTG OIL | QH | 9 | 3 | 200.0% | 4 | 125.0% | 70 | 55 | 27.3% |
| RBOB PHY | RB | 4,136,008 | 3,385,991 | 22.2% | 3,996,121 | 3.5% | 44,525,093 | 43,053,907 | 3.4% |
| MINY RBOB GAS | QU | 8 | 8 | 0.0% | 7 | 14.3% | 94 | 78 | 20.5% |
| NATURAL GAS | HP | 142,005 | 131,638 | 7.9% | 265,311 | -46.5% | 1,772,135 | 1,721,888 | 2.9% |
| LTD NAT GAS | HH | 336,990 | 296,163 | 13.8% | 404,290 | -16.6% | 3,706,474 | 2,973,970 | 24.6% |
| MINY NATURAL GAS | QG | 326,126 | 151,621 | 115.1% | 529,394 | -38.4% | 2,110,945 | 1,414,476 | 49.2% |
| PJM MONTHLY | JM | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NATURAL GAS PHY | NG | 7,555,349 | 8,484,666 | -11.0% | 9,021,205 | -16.2% | 89,918,681 | 111,344,658 | -19.2% |
| RBOB GAS | RT | 0 | 0 | 0.0% | 24 | -100.0% | 84 | 84 | 0.0% |
| 3.5% FUEL OIL CID MED SWA | 7D | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 20 | -100.0% |
| 3.5% FUEL OIL CIF BALMO S | 8D | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| AEP-DAYTON HUB DAILY | VD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ANR OKLAHOMA | NE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ARGUS LLS VS. WTI (ARG) T | E5 | 5,661 | 13,790 | -58.9% | 5,370 | 5.4% | 93,008 | 70,795 | 31.4% |
| ARGUS PROPAN FAR EST INDE | 7E | 5,703 | 4,936 | 15.5% | 8,271 | -31.0% | 67,501 | 57,359 | 17.7% |
| ARGUS PROPAN(SAUDI ARAMCO | 9N | 1,901 | 2,226 | -14.6% | 2,271 | -16.3% | 20,144 | 25,224 | -20.1% |
| AUSTRIALIAN COKE COAL | ALW | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT BALMO SWAP | J9 | 0 | 100 | -100.0% | 0 | 0.0% | 1,314 | 1,506 | -12.7% |
| BRENT CALENDAR SWAP | CY | 13,493 | 2,161 | 524.4% | 6,171 | 118.7% | 112,681 | 76,297 | 47.7% |
| BRENT FINANCIAL FUTURES | BB | 0 | 0 | 0.0% | 0 | 0.0% | 4,000 | 2,200 | 81.8% |
| BRENT FINANCIAL FUTURES | MBC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 185 | -100.0% |



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|-------------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| BRENT FINANCIAL FUTURES | MDB | 0 | 0 | 0.0% | 0 | 0.0% | 68 | 260 | -73.8% |
| BRENT OIL LAST DAY | BZL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| BRENT OIL LAST DAY | BZS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CAR VINTAGE | GEO | 4,389 | 0 | - | 1,956 | 124.4% | 13,871 | 0 | - |
| CAR VINTAGE | NGO | 9,016 | 0 | - | 4,169 | 116.3% | 27,254 | 0 | - |
| CENTERPOINT BASIS SWAP | PW | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CHICAGO ETHANOL SWAP | CU | 77,780 | 65,034 | 19.6% | 83,120 | -6.4% | 812,487 | 815,660 | -0.4% |
| CHICAGO ULSD PL VS HO SPR | 5C | 25 | 100 | -75.0% | 135 | -81.5% | 3,722 | 7,147 | -47.9% |
| CHICAGO UNL GAS PL VS RBO | 3C | 75 | 825 | -90.9% | 0 | 0.0% | 500 | 2,115 | -76.4% |
| CIG BASIS | CI | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CINERGY HUB OFF-PEAK MONT | EJ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CINERGY HUB PEAK MONTH | EM | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CIN HUB 5MW D AH PK | H5 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,346 | -100.0% |
| CIN HUB 5MW REAL TIME O P | H4 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CIN HUB 5MW REAL TIME PK | H3 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| COAL SWAP | ACM | 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% |
| CONWAY NATURAL GASOLINE (OPIS) SWAP | 8L | 50 | 20 | 150.0% | 113 | -55.8% | 3,308 | 2,700 | 22.5% |
| CONWAY NORMAL BUTANE (OPIS) SWAP | 8M | 215 | 346 | -37.9% | 475 | -54.7% | 3,197 | 4,399 | -27.3% |
| CONWAY PROPANE 5 DECIMALS SWAP | 8K | 14,895 | 7,981 | 86.6% | 16,141 | -7.7% | 163,489 | 173,788 | -5.9% |
| CRUDE OIL | LPS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 4,295 | -100.0% |
| CRUDE OIL LAST DAY | 26 | 457 | 241 | 89.6% | 266 | 71.8% | 3,130 | 936 | 234.4% |
| CRUDE OIL OUTRIGHTS | 42 | 309 | 362 | -14.6% | 129 | 139.5% | 3,342 | 12,876 | -74.0% |
| CRUDE OIL OUTRIGHTS | CC5 | 0 | 468 | -100.0% | 480 | -100.0% | 9,906 | 5,774 | 71.6% |
| CRUDE OIL OUTRIGHTS | CSW | 0 | 370 | -100.0% | 30 | -100.0% | 14,019 | 4,274 | 228.0% |
| CRUDE OIL OUTRIGHTS | DAB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 340 | -100.0% |
| CRUDE OIL OUTRIGHTS | DBL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | GSW | 0 | 0 | 0.0% | 0 | 0.0% | 2,464 | 2,720 | -9.4% |
| CRUDE OIL OUTRIGHTS | HTT | 90,500 | 42,987 | 110.5% | 77,908 | 16.2% | 697,020 | 804,228 | -13.3% |
| CRUDE OIL OUTRIGHTS | LSW | 90 | 180 | -50.0% | 585 | -84.6% | 10,372 | 9,487 | 9.3% |
| CRUDE OIL OUTRIGHTS | WCW | 7,295 | 3,155 | 131.2% | 3,030 | 140.8% | 41,637 | 27,270 | 52.7% |
| CRUDE OIL PHY | CLL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| CRUDE OIL PHY | HCL | 0 | 2,040 | -100.0% | 0 | 0.0% | 20,147 | 40,518 | -50.3% |
| CRUDE OIL PHY | MCL | 2,015,644 | 0 | - | 1,296,285 | 55.5% | 6,654,042 | 0 | - |
| CRUDE OIL SPRDS | 38 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |

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| Energy Futures | | | | | | | | | |
| CRUDE OIL SPRDS | ANT | 1,564 | 0 | 0.0% | 660 | 137.0% | 5,711 | 1,330 | 329.4% |
| CRUDE OIL SPRDS | HIL | 240 | 15,035 | -98.4% | 250 | -4.0% | 5,590 | 47,567 | -88.2% |
| CRUDE OIL SPRDS | WTT | 41,441 | 5,533 | 649.0% | 43,423 | -4.6% | 294,639 | 232,363 | 26.8% |
| CRUDE OIL TRADE AT MARKER SINGAPORE | CLS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | AOR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | IDO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | NOC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PAP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PEO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PNO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PNP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PWO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | PWP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | WOR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | ZAO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | ZGO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DAILY PJM | ZJO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DATED BRENT (PLATTS) DAILY SWAP | 7G | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 640 | -100.0% |
| DATED TO FRONTLINE BRENT | FY | 0 | 0 | 0.0% | 900 | -100.0% | 2,715 | 244 | 1,012.7% |
| DIESEL 10P BRG FOB RDM VS | 7X | 0 | 0 | - | 0 | 0.0% | 30 | 0 | - |
| DOMINION TRAN INC - APP I | IH | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| DOMINION TRANSMISSION INC | PG | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| DUBAI CRUDE OIL BALMO | BI | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 300 | -100.0% |
| DUBAI CRUDE OIL CALENDAR | DC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 10,650 | -100.0% |
| DUTCH TTF NATURAL GAS CAL MONTH FUT | TTF | 1,712 | 27,631 | -93.8% | 9,556 | -82.1% | 433,381 | 368,419 | 17.6% |
| EAST/WEST FUEL OIL SPREAD | EW | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| EIA FLAT TAX ONHWAY DIESE | A5 | 28 | 180 | -84.4% | 36 | -22.2% | 4,367 | 9,425 | -53.7% |
| ELEC FINSETTLED | 47 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELEC MISO PEAK | 4L | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ELEC NYISO OFF-PEAK | 4M | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ELECTRICITY OFF PEAK | 46 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ELECTRICITY OFF PEAK | 4P | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ETHANOL | MTH | 0 | 10 | -100.0% | 0 | 0.0% | 10 | 70 | -85.7% |
| ETHANOL | Z1B | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ETHANOL SWAP | MT2 | 315 | 730 | -56.8% | 220 | 43.2% | 2,128 | 2,168 | -1.8% |

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|------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| Energy Futures | | | | | | | | | |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1 | 3,929 | 5,038 | -22.0% | 4,932 | -20.3% | 40,870 | 46,334 | -11.8% |
| EURO 1% FUEL OIL NEW BALM | KX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| EURO 3.5% FUEL OIL RDAM B | KR | 35 | 0 | 0.0% | 30 | 16.7% | 81 | 65 | 24.6% |
| EURO 3.5% FUEL OIL SPREAD | FK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 22 | -100.0% |
| EURO GASOIL 10PPM VS ICE | ET | 45 | 0 | 0.0% | 1,187 | -96.2% | 2,812 | 75 | 3,649.3% |
| EUROPE 1% FUEL OIL NWE CA | UF | 0 | 0 | 0.0% | 0 | 0.0% | 84 | 0 | 0.0% |
| EUROPE 1% FUEL OIL RDAM C | UH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| EUROPE 3.5% FUEL OIL MED | UI | 0 | 0 | 0.0% | 0 | 0.0% | 13 | 37 | -64.9% |
| EUROPE 3.5% FUEL OIL RDAM | UV | 99 | 0 | 0.0% | 46 | 115.2% | 541 | 2,372 | -77.2% |
| EUROPEAN GASOIL (ICE) | 7F | 371 | 32 | 1,059.4% | 2,606 | -85.8% | 8,353 | 339 | 2,364.0% |
| EUROPEAN NAPHTHA BALMO | KZ | 75 | 3 | 2,400.0% | 0 | 0.0% | 118 | 86 | 37.2% |
| EUROPEAN NAPHTHA CRACK SPR | EN | 2,502 | 712 | 251.4% | 1,529 | 63.6% | 18,928 | 13,928 | 35.9% |
| EUROPE DATED BRENT SWAP | UB | 0 | 0 | 0.0% | 0 | 0.0% | 710 | 70 | 914.3% |
| EUROPE JET KERO NWE CALSW | UJ | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 0 | 0.0% |
| EURO NAPHTHA CALSWAP | UN | 681 | 402 | 69.4% | 771 | -11.7% | 6,760 | 5,398 | 25.2% |
| EURO PROPANE CIF ARA SWA | PS | 1,907 | 1,140 | 67.3% | 1,975 | -3.4% | 17,333 | 17,667 | -1.9% |
| FREIGHT MARKETS | ACB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 735 | -100.0% |
| FREIGHT MARKETS | BF1 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 15 | -100.0% |
| FREIGHT MARKETS | BF2 | 5 | 150 | -96.7% | 0 | 0.0% | 124 | 1,407 | -91.2% |
| FREIGHT MARKETS | BF3 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| FREIGHT MARKETS | BL2 | 50 | 0 | - | 105 | -52.4% | 285 | 0 | - |
| FREIGHT MARKETS | FLJ | 5 | 0 | - | 10 | -50.0% | 97 | 0 | - |
| FREIGHT MARKETS | FLP | 88 | 0 | 0.0% | 20 | 340.0% | 702 | 2,299 | -69.5% |
| FREIGHT MARKETS | FRC | 0 | 0 | 0.0% | 0 | 0.0% | 70 | 40 | 75.0% |
| FREIGHT MARKETS | FRS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| FREIGHT MARKETS | T2D | 0 | 145 | -100.0% | 309 | -100.0% | 784 | 1,963 | -60.1% |
| FREIGHT MARKETS | T7C | 0 | 20 | -100.0% | 0 | 0.0% | 0 | 270 | -100.0% |
| FREIGHT MARKETS | T8C | 0 | 0 | - | 0 | 0.0% | 10 | 0 | - |
| FREIGHT MARKETS | TC6 | 225 | 0 | - | 0 | - | 225 | 0 | - |
| FREIGHT MARKETS | TD3 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| FREIGHT MARKETS | TD8 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| FREIGHT MARKETS | USC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 90 | -100.0% |
| FREIGHT MARKETS | USE | 0 | 15 | -100.0% | 0 | 0.0% | 90 | 800 | -88.8% |
| FUEL OIL CRACK VS ICE | FO | 0 | 64 | -100.0% | 60 | -100.0% | 2,203 | 2,644 | -16.7% |
| FUEL OIL NWE CRACK VS ICE | FI | 0 | 0 | 0.0% | 0 | 0.0% | 72 | 0 | 0.0% |



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| Energy Futures | | | | | | | | | |
| FUEL OIL (PLATS) CAR CM | 1W | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| FUEL OIL (PLATS) CAR CN | 1X | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| FUELOIL SWAP:CARGOES VS.B | FS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 51 | -100.0% |
| GAS EURO-BOB OXY NWE BARGES | 7H | 358 | 300 | 19.3% | 790 | -54.7% | 7,235 | 14,486 | -50.1% |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K | 7,478 | 1,799 | 315.7% | 6,252 | 19.6% | 59,763 | 59,035 | 1.2% |
| GASOIL 0.1CIF MED VS ICE | Z5 | 0 | 0 | - | 0 | 0.0% | 60 | 0 | - |
| GASOIL 0.1 CIF NWE VS ISE | TU | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GASOIL 0.1 RDAM BRGS VS I | WQ | 0 | 17 | -100.0% | 0 | 0.0% | 42 | 17 | 147.1% |
| GASOIL 0.1 ROTTERDAM BARG | VL | 15 | 5 | 200.0% | 15 | 0.0% | 178 | 105 | 69.5% |
| GASOIL 10PPM VS ICE SWAP | TP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| GASOIL CALENDAR SWAP | GX | 164 | 23 | 613.0% | 304 | -46.1% | 1,586 | 312 | 408.3% |
| GASOIL CRACK SPREAD CALEN | GZ | 4,683 | 0 | 0.0% | 1,518 | 208.5% | 20,494 | 12,428 | 64.9% |
| GASOIL MINI CALENDAR SWAP | QA | 607 | 185 | 228.1% | 295 | 105.8% | 4,060 | 5,815 | -30.2% |
| GERMAN POWER BASELOAD CAL MONTH FU | DEB | 6 | 114 | -94.7% | 46 | -87.0% | 244 | 10,066 | -97.6% |
| GROUP THREE ULSD (PLATTS) | A7 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| GROUP THREE UNLEAD GAS (P) | A9 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| GRP THREE ULSD(PLT)VS HEA | A6 | 3,460 | 2,075 | 66.7% | 6,310 | -45.2% | 47,395 | 37,463 | 26.5% |
| GRP THREE UNL GS (PLT) VS | A8 | 2,740 | 1,405 | 95.0% | 2,250 | 21.8% | 29,034 | 27,583 | 5.3% |
| GULF COAST 3% FUEL OIL BA | VZ | 28 | 0 | 0.0% | 0 | 0.0% | 740 | 2,941 | -74.8% |
| GULF COAST JET FUEL CLNDR | GE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 3,153 | -100.0% |
| GULF COAST JET VS NYM 2 H | ME | 9,535 | 11,333 | -15.9% | 16,948 | -43.7% | 222,242 | 188,804 | 17.7% |
| GULF COAST NO.6 FUEL OIL | MF | 545 | 5,148 | -89.4% | 305 | 78.7% | 18,759 | 117,647 | -84.1% |
| GULF COAST NO.6 FUEL OIL | MG | 4,050 | 0 | 0.0% | 9,400 | -56.9% | 28,788 | 482 | 5,872.6% |
| GULF COAST ULSD CALENDAR | LY | 68 | 76 | -10.5% | 0 | 0.0% | 4,206 | 9,805 | -57.1% |
| GULF COAST ULSD CRACK SPR | GY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,410 | -100.0% |
| HEATING OIL BALMO CLNDR S | 1G | 235 | 100 | 135.0% | 394 | -40.4% | 3,140 | 1,517 | 107.0% |
| HEATING OIL CRCK SPRD BAL | 1H | 0 | 0 | 0.0% | 0 | 0.0% | 2,450 | 0 | 0.0% |
| HEATING OIL PHY | HOL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| HENRY HUB BASIS SWAP | HB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 6,680 | -100.0% |
| HENRY HUB FINANCIAL LAST | NBP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 75 | -100.0% |
| HENRY HUB INDEX SWAP FUTU | IN | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 8,392 | -100.0% |
| HENRY HUB SWAP | NN | 14,775 | 15,916 | -7.2% | 19,717 | -25.1% | 342,416 | 721,082 | -52.5% |
| HOUSTON SHIP CHANNEL BASI | NH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| ICE BRENT DUBAI SWAP | DB | 1,140 | 830 | 37.3% | 155 | 635.5% | 6,744 | 33,665 | -80.0% |
| ICE GASOIL BALMO SWAP | U9 | 0 | 0 | - | 0 | 0.0% | 46 | 0 | - |

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|-------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| INDIANA MISO | FAD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| INDIANA MISO | FTD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| INDIANA MISO | PDD | 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% |
| INDONESIAN COAL ICI4 | ICI | 0 | 20 | -100.0% | 0 | 0.0% | 1,124 | 1,941 | -42.1% |
| JAPAN C&F NAPHTHA CRACK S | JB | 6 | 0 | 0.0% | 0 | 0.0% | 6 | 150 | -96.0% |
| JAPAN C&F NAPHTHA SWAP | JA | 46 | 9 | 411.1% | 30 | 53.3% | 668 | 1,679 | -60.2% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 6 | 0 | 0.0% | 0 | 0.0% | 18 | 33 | -45.5% |
| JET AV FUEL (P) CAR FM ICE GAS SWAP | 1V | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JET CIF NWE VS ICE | JC | 386 | 0 | 0.0% | 45 | 757.8% | 1,750 | 0 | 0.0% |
| JET FUEL CRG CIF NEW VS I | 6X | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| JET FUEL UP-DOWN BALMO CL | 1M | 1,275 | 940 | 35.6% | 1,255 | 1.6% | 17,114 | 18,408 | -7.0% |
| JKM LNG Futures | JKM | 830 | 35 | 2,271.4% | 192 | 332.3% | 6,423 | 19,263 | -66.7% |
| LA CARB DIESEL (OPIS) SWA | KL | 35 | 0 | 0.0% | 130 | -73.1% | 1,980 | 2,517 | -21.3% |
| LA CARBOB GASOLINE(OPIS)S | JL | 0 | 50 | -100.0% | 0 | 0.0% | 225 | 675 | -66.7% |
| LA JET (OPIS) SWAP | JS | 705 | 450 | 56.7% | 1,025 | -31.2% | 5,725 | 6,115 | -6.4% |
| LLS (ARGUS) CALENDAR SWAP | XA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| LLS (ARGUS) VS WTI SWAP | WJ | 336 | 540 | -37.8% | 600 | -44.0% | 2,786 | 7,895 | -64.7% |
| LOS ANGELES CARB GASOLINE | MH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 15 | -100.0% |
| MARS (ARGUS) VS WTI SWAP | YX | 0 | 0 | 0.0% | 300 | -100.0% | 1,750 | 2,600 | -32.7% |
| MARS (ARGUS) VS WTI TRD M | YV | 18,456 | 11,830 | 56.0% | 18,893 | -2.3% | 203,347 | 168,596 | 20.6% |
| MARS BLEND CRUDE OIL | MB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 100 | -100.0% |
| MCCLOSKEY ARA ARGS COAL | MTF | 8,920 | 24,974 | -64.3% | 18,699 | -52.3% | 146,782 | 231,662 | -36.6% |
| MCCLOSKEY RCH BAY COAL | MFF | 1,542 | 850 | 81.4% | 1,072 | 43.8% | 10,581 | 10,475 | 1.0% |
| MGF FUT | MGF | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| MGN1 SWAP FUT | MGN | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 270 | -100.0% |
| MICHIGAN BASIS | NF | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| MICHIGAN MISO | HMO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| MICHIGAN MISO | HMW | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| MINI GAS EUROBOB OXY NWE ARGS BALMO | MEB | 68 | 39 | 74.4% | 0 | 0.0% | 193 | 778 | -75.2% |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | MXR | 0 | 0 | 0.0% | 0 | 0.0% | 391 | 1,691 | -76.9% |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | MXB | 319 | 305 | 4.6% | 429 | -25.6% | 6,138 | 7,451 | -17.6% |
| MJC FUT | MJC | 0 | 0 | 0.0% | 0 | 0.0% | 50 | 0 | 0.0% |
| MNC FUT | MNC | 1,964 | 277 | 609.0% | 1,111 | 76.8% | 10,318 | 11,228 | -8.1% |
| MONT BELVIEU ETHANE 5 DECIMAL | C0 | 29,425 | 19,547 | 50.5% | 41,445 | -29.0% | 321,678 | 284,614 | 13.0% |

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|--------------------------------------|-----|--------------------|--------------------|----------|--------------------|--------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| MONT BELVIEU ETHANE OPIS BALMO | 8C | 1,450 | 67 | 2,064.2% | 4,571 | -68.3% | 9,848 | 3,530 | 179.0% |
| MONT BELVIEU LDH PROPANE 5 DECIMAL | B0 | 195,629 | 129,616 | 50.9% | 225,161 | -13.1% | 2,081,079 | 1,849,485 | 12.5% |
| MONT BELVIEU LDH PROPANE OPIS BALMO | 8O | 1,957 | 827 | 136.6% | 3,076 | -36.4% | 33,830 | 24,011 | 40.9% |
| MONT BELVIEU NATURAL GASOLINE 5 DEC | 7Q | 17,526 | 16,357 | 7.1% | 13,249 | 32.3% | 163,373 | 314,073 | -48.0% |
| MONT BELVIEU NATURAL GASOLINE BALMO | R0 | 207 | 635 | -67.4% | 710 | -70.8% | 6,672 | 9,895 | -32.6% |
| MONT BELVIEU NORMAL BUTANE 5 DECIMAL | D0 | 55,203 | 68,245 | -19.1% | 63,912 | -13.6% | 608,338 | 745,182 | -18.4% |
| MONT BELVIEU NORMAL BUTANE BALMO | 8J | 1,183 | 1,295 | -8.6% | 1,469 | -19.5% | 13,999 | 14,925 | -6.2% |
| NAT GAS BASIS SWAP | TZ6 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NATURAL GAS PEN SWP | NP | 41,693 | 50,617 | -17.6% | 57,376 | -27.3% | 584,427 | 695,695 | -16.0% |
| NEPOOL INTR HUB 5MW D AH | H2 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 13,992 | -100.0% |
| NEPOOL INTR HUB 5MW D AH | U6 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 768 | -100.0% |
| NEPOOL NE MASS 5MW D AH O | P8 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEPOOL NE MASS 5MW D AH P | P7 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW ENGLAND HUB PEAK DAIL | CE | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK ETHANOL SWAP | EZ | 245 | 25 | 880.0% | 420 | -41.7% | 1,815 | 6,844 | -73.5% |
| NEW YORK HUB ZONE G PEAK | GN | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NEW YORK HUB ZONE J PEAK | JN | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL MID-CONTINENT | NL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NGPL TEX/OK | PD | 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% |
| NO 2 UP-DOWN SPREAD CALEN | UT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 225 | -100.0% |
| NORTHEN NATURAL GAS DEMAR | PE | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NORTHEN NATURAL GAS VENTU | PF | 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% |
| N ROCKIES PIPE SWAP | XR | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NY1% VS GC SPREAD SWAP | VR | 0 | 50 | -100.0% | 0 | 0.0% | 0 | 2,618 | -100.0% |
| NY 3.0% FUEL OIL (PLATTS | H1 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NY HARBOR 1% FUEL OIL BAL | VK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | MP | 2,532 | 2,774 | -8.7% | 1,889 | 34.0% | 12,636 | 34,739 | -63.6% |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 0 | 0 | 0.0% | 0 | 0.0% | 1,570 | 0 | 0.0% |
| NY HARBOR RESIDUAL FUEL 1 | MM | 200 | 110 | 81.8% | 325 | -38.5% | 2,424 | 7,443 | -67.4% |
| NY HARBOR RESIDUAL FUEL C | ML | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYH NO 2 CRACK SPREAD CAL | HK | 562 | 1,575 | -64.3% | 2,234 | -74.8% | 17,045 | 9,351 | 82.3% |
| NYISO CAPACITY | LHV | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO CAPACITY | NNC | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |

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|--------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| NYISO CAPACITY | NRS | 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% |
| NYISO ZONE A 5MW D AH PK | K3 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| NYISO ZONE G 5MW D AH O P | D2 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE G 5MW D AH PK | T3 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE J 5MW D AH O P | D4 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NYISO ZONE J 5MW D AH PK | D3 | 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% |
| NYMEX ULSD VS NYMEX HO | UY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 700 | -100.0% |
| NY ULSD (ARGUS) VS HEATING OIL | 7Y | 0 | 280 | -100.0% | 600 | -100.0% | 650 | 5,189 | -87.5% |
| ONEOK OKLAHOMA NG BASIS | 8X | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | OPD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| ONTARIO POWER SWAPS | OPM | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PANHANDLE BASIS SWAP FUTU | PH | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 56 | -100.0% |
| PERMIAN BASIS SWAP | PM | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROCHEMICALS | 22 | 292 | 145 | 101.4% | 286 | 2.1% | 1,995 | 1,387 | 43.8% |
| PETROCHEMICALS | 32 | 73 | 34 | 114.7% | 137 | -46.7% | 690 | 764 | -9.7% |
| PETROCHEMICALS | 3NA | 13 | 0 | 0.0% | 21 | -38.1% | 162 | 34 | 376.5% |
| PETROCHEMICALS | 51 | 0 | 3 | -100.0% | 0 | 0.0% | 0 | 24 | -100.0% |
| PETROCHEMICALS | 81 | 0 | 0 | 0.0% | 0 | 0.0% | 147 | 60 | 145.0% |
| PETROCHEMICALS | 8I | 574 | 192 | 199.0% | 1,356 | -57.7% | 12,509 | 9,035 | 38.5% |
| PETROCHEMICALS | 91 | 510 | 314 | 62.4% | 691 | -26.2% | 4,454 | 3,599 | 23.8% |
| PETROCHEMICALS | MAA | 50 | 0 | 0.0% | 130 | -61.5% | 475 | 1,295 | -63.3% |
| PETROCHEMICALS | MAE | 1,405 | 500 | 181.0% | 2,135 | -34.2% | 10,665 | 7,642 | 39.6% |
| PETROCHEMICALS | MAS | 557 | 160 | 248.1% | 1,265 | -56.0% | 4,212 | 3,176 | 32.6% |
| PETROCHEMICALS | MBE | 60 | 510 | -88.2% | 170 | -64.7% | 710 | 2,610 | -72.8% |
| PETROCHEMICALS | MNB | 16 | 10 | 60.0% | 0 | 0.0% | 2,055 | 1,704 | 20.6% |
| PETROCHEMICALS | MPS | 606 | 127 | 377.2% | 317 | 91.2% | 4,343 | 3,666 | 18.5% |
| PETROCHEMICALS | PMF | 0 | 0 | - | 0 | 0.0% | 9 | 0 | - |
| PETRO CRCKS & SPRDS ASIA | STI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS ASIA | STR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS ASIA | STS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 375 | -100.0% |
| PETRO CRCKS & SPRDS NA | CRB | 12,040 | 11,750 | 2.5% | 25,087 | -52.0% | 222,366 | 179,331 | 24.0% |
| PETRO CRCKS & SPRDS NA | EXR | 694 | 494 | 40.5% | 618 | 12.3% | 6,979 | 11,150 | -37.4% |
| PETRO CRCKS & SPRDS NA | FOC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 100 | -100.0% |

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|------------------------|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | |
| PETRO CRCKS & SPRDS NA | 0 | 925 | -100.0% | 0 | 0.0% | 655 | 4,701 | -86.1% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 405 | -100.0% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0.0% | 370 | 5,882 | -93.7% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | 0 | 200 | -100.0% | 0 | 0.0% | 880 | 15,623 | -94.4% |
| PETRO CRCKS & SPRDS NA | 14 | 0 | 0.0% | 0 | 0.0% | 474 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | 1,430 | 200 | 615.0% | 575 | 148.7% | 5,310 | 9,175 | -42.1% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | - | 0 | 0.0% | 145 | 0 | - |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRCKS & SPRDS NA | 967 | 795 | 21.6% | 2,687 | -64.0% | 16,081 | 33,269 | -51.7% |
| PETRO CRCKS & SPRDS NA | 225 | 2,775 | -91.9% | 0 | 0.0% | 11,595 | 61,316 | -81.1% |
| PETRO CRCKS & SPRDS NA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 10 | -100.0% |
| PETRO CRK&SPRD EURO | 50 | 0 | 0.0% | 0 | 0.0% | 433 | 3,085 | -86.0% |
| PETRO CRK&SPRD EURO | 43 | 0 | 0.0% | 0 | 0.0% | 26 | 44 | -40.9% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 294 | 0 | 0.0% | 207 | 42.0% | 1,474 | 403 | 265.8% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0.0% | 5 | 31 | -83.9% |
| PETRO CRK&SPRD EURO | 885 | 322 | 174.8% | 456 | 94.1% | 6,026 | 4,311 | 39.8% |
| PETRO CRK&SPRD EURO | 20 | 0 | 0.0% | 60 | -66.7% | 856 | 203 | 321.7% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 44 | -100.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 10 | -100.0% | 70 | 0 | 0.0% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 130 | -100.0% |
| PETRO CRK&SPRD EURO | 9 | 0 | 0.0% | 0 | 0.0% | 9 | 5 | 80.0% |
| PETRO CRK&SPRD EURO | 68 | 6 | 1,033.3% | 11 | 518.2% | 551 | 406 | 35.7% |
| PETRO CRK&SPRD EURO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS | 0 | 0 | 0.0% | 0 | 0.0% | 717 | 1,084 | -33.9% |
| PETROLEUM PRODUCTS | 0 | 0 | - | 0 | 0.0% | 3 | 0 | - |
| PETROLEUM PRODUCTS | 0 | 0 | - | 0 | 0.0% | 3 | 0 | - |
| PETROLEUM PRODUCTS | 0 | 0 | - | 300 | -100.0% | 730 | 0 | - |
| PETROLEUM PRODUCTS | 350 | 75 | 366.7% | 1,538 | -77.2% | 5,298 | 4,820 | 9.9% |
| PETROLEUM PRODUCTS | 0 | 300 | -100.0% | 0 | 0.0% | 60 | 3,413 | -98.2% |
| PETROLEUM PRODUCTS | 450 | 0 | 0.0% | 650 | -30.8% | 2,600 | 2,510 | 3.6% |

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|-------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| PETROLEUM PRODUCTS | MME | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 160 | -100.0% |
| PETROLEUM PRODUCTS | MPE | 0 | 0 | - | 0 | 0.0% | 14 | 0 | - |
| PETROLEUM PRODUCTS | NCC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS | R5E | 0 | 0 | 0.0% | 5 | -100.0% | 5 | 2 | 150.0% |
| PETROLEUM PRODUCTS | R5F | 98 | 16 | 512.5% | 86 | 14.0% | 540 | 147 | 267.3% |
| PETROLEUM PRODUCTS | S53 | 12 | 0 | 0.0% | 0 | 0.0% | 12 | 41 | -70.7% |
| PETROLEUM PRODUCTS | UCS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 65 | -100.0% |
| PETROLEUM PRODUCTS | UP5 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETROLEUM PRODUCTS | VU | 0 | 0 | 0.0% | 30 | -100.0% | 341 | 1,443 | -76.4% |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 0 | 0.0% | 0 | 0.0% | 10 | 80 | -87.5% |
| PETROLEUM PRODUCTS ASIA | MJN | 280 | 20 | 1,300.0% | 491 | -43.0% | 2,894 | 7,005 | -58.7% |
| PETROLEUM PRODUCTS ASIA | MSB | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | 0B | 0 | 0 | 0.0% | 0 | 0.0% | 223 | 100 | 123.0% |
| PETRO OUTFRIGHT EURO | 0C | 0 | 0 | 0.0% | 0 | 0.0% | 75 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | 0D | 64 | 24 | 166.7% | 56 | 14.3% | 940 | 2,539 | -63.0% |
| PETRO OUTFRIGHT EURO | 0E | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | 0F | 0 | 0 | 0.0% | 0 | 0.0% | 9 | 613 | -98.5% |
| PETRO OUTFRIGHT EURO | 1T | 0 | 0 | 0.0% | 0 | 0.0% | 20 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | 5L | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 64 | -100.0% |
| PETRO OUTFRIGHT EURO | 63 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 20 | -100.0% |
| PETRO OUTFRIGHT EURO | 7I | 0 | 0 | 0.0% | 0 | 0.0% | 50 | 135 | -63.0% |
| PETRO OUTFRIGHT EURO | 7R | 17 | 0 | 0.0% | 20 | -15.0% | 79 | 127 | -37.8% |
| PETRO OUTFRIGHT EURO | 88 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | CBB | 0 | 0 | 0.0% | 0 | 0.0% | 33 | 70 | -52.9% |
| PETRO OUTFRIGHT EURO | CGB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 22 | -100.0% |
| PETRO OUTFRIGHT EURO | CPB | 130 | 15 | 766.7% | 60 | 116.7% | 3,612 | 1,871 | 93.1% |
| PETRO OUTFRIGHT EURO | EFF | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 40 | -100.0% |
| PETRO OUTFRIGHT EURO | EFM | 0 | 0 | 0.0% | 0 | 0.0% | 12 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | ENS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | EWN | 88 | 0 | 0.0% | 434 | -79.7% | 2,095 | 195 | 974.4% |
| PETRO OUTFRIGHT EURO | FLB | 0 | 0 | 0.0% | 0 | 0.0% | 5 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | GNO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 10 | -100.0% |
| PETRO OUTFRIGHT EURO | H5G | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 270 | -100.0% |
| PETRO OUTFRIGHT EURO | JFB | 0 | 0 | 0.0% | 0 | 0.0% | 10 | 9 | 11.1% |
| PETRO OUTFRIGHT EURO | M1B | 707 | 1,436 | -50.8% | 851 | -16.9% | 13,399 | 8,200 | 63.4% |

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| Commodity | | VOLUME NOV 2021 | VOLUME NOV 2020 | % CHG | VOLUME OCT 2021 | % CHG | VOLUME Y.T.D 2021 | VOLUME Y.T.D 2020 | % CHG |
|-----------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| PETRO OUTFRIGHT EURO | M35 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | MBB | 0 | 0 | 0.0% | 0 | 0.0% | 240 | 30 | 700.0% |
| PETRO OUTFRIGHT EURO | MBN | 210 | 455 | -53.8% | 284 | -26.1% | 3,760 | 3,521 | 6.8% |
| PETRO OUTFRIGHT EURO | MEF | 18 | 110 | -83.6% | 60 | -70.0% | 2,355 | 1,524 | 54.5% |
| PETRO OUTFRIGHT EURO | MQA | 3 | 0 | - | 35 | -91.4% | 68 | 0 | - |
| PETRO OUTFRIGHT EURO | R53 | 0 | 0 | 0.0% | 35 | -100.0% | 127 | 157 | -19.1% |
| PETRO OUTFRIGHT EURO | R5B | 0 | 0 | 0.0% | 0 | 0.0% | 56 | 10 | 460.0% |
| PETRO OUTFRIGHT EURO | R5M | 2,163 | 269 | 704.1% | 1,880 | 15.1% | 13,903 | 4,216 | 229.8% |
| PETRO OUTFRIGHT EURO | R5O | 1,134 | 998 | 13.6% | 649 | 74.7% | 8,150 | 9,669 | -15.7% |
| PETRO OUTFRIGHT EURO | RBM | 0 | 0 | 0.0% | 0 | 0.0% | 34 | 59 | -42.4% |
| PETRO OUTFRIGHT EURO | S5B | 0 | 0 | 0.0% | 0 | 0.0% | 5 | 6 | -16.7% |
| PETRO OUTFRIGHT EURO | S5F | 106 | 103 | 2.9% | 85 | 24.7% | 1,186 | 1,133 | 4.7% |
| PETRO OUTFRIGHT EURO | S5M | 2,013 | 1,521 | 32.3% | 2,005 | 0.4% | 19,430 | 16,360 | 18.8% |
| PETRO OUTFRIGHT EURO | S5O | 3,004 | 931 | 222.7% | 1,903 | 57.9% | 14,147 | 8,292 | 70.6% |
| PETRO OUTFRIGHT EURO | SMU | 50 | 0 | 0.0% | 200 | -75.0% | 1,450 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | T0 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | T2B | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 20 | -100.0% |
| PETRO OUTFRIGHT EURO | TLB | 33 | 0 | - | 25 | 32.0% | 58 | 0 | - |
| PETRO OUTFRIGHT EURO | TMB | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PETRO OUTFRIGHT EURO | ULB | 0 | 400 | -100.0% | 0 | 0.0% | 0 | 415 | -100.0% |
| PETRO OUTFRIGHT EURO | UNB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 300 | -100.0% |
| PETRO OUTFRIGHT EURO | V0 | 132 | 0 | 0.0% | 132 | 0.0% | 582 | 0 | 0.0% |
| PETRO OUTFRIGHT NA | A8B | 0 | 0 | - | 215 | -100.0% | 1,090 | 0 | - |
| PETRO OUTFRIGHT NA | AB6 | 170 | 50 | 240.0% | 145 | 17.2% | 2,100 | 1,047 | 100.6% |
| PETRO OUTFRIGHT NA | BCR | 2,200 | 773 | 184.6% | 3,042 | -27.7% | 20,707 | 2,808 | 637.4% |
| PETRO OUTFRIGHT NA | DBB | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 75 | -100.0% |
| PETRO OUTFRIGHT NA | FCB | 0 | 0 | 0.0% | 32 | -100.0% | 32 | 0 | 0.0% |
| PETRO OUTFRIGHT NA | H5B | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,834 | -100.0% |
| PETRO OUTFRIGHT NA | JE | 0 | 105 | -100.0% | 0 | 0.0% | 275 | 960 | -71.4% |
| PETRO OUTFRIGHT NA | JET | 125 | 75 | 66.7% | 450 | -72.2% | 4,150 | 7,090 | -41.5% |
| PETRO OUTFRIGHT NA | JTB | 0 | 0 | 0.0% | 0 | 0.0% | 665 | 2,105 | -68.4% |
| PETRO OUTFRIGHT NA | MBL | 60 | 0 | 0.0% | 282 | -78.7% | 731 | 137 | 433.6% |
| PETRO OUTFRIGHT NA | MEN | 308 | 30 | 926.7% | 95 | 224.2% | 935 | 588 | 59.0% |
| PETRO OUTFRIGHT NA | MEO | 359 | 549 | -34.6% | 294 | 22.1% | 4,928 | 12,840 | -61.6% |
| PETRO OUTFRIGHT NA | MFD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 38 | -100.0% |



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|-------------------------------------|-----|--------------------|--------------------|--------|--------------------|---------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| PETRO OUTRIGHT NA | MMF | 0 | 0 | 0.0% | 0 | 0.0% | 65 | 70 | -7.1% |
| PJM AD HUB 5MW REAL TIME | V3 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM AD HUB 5MW REAL TIME | Z9 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM BGE DA OFF-PEAK | R3 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM BGE DA PEAK | E3 | 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% |
| PJM COMED 5MW D AH PK | D8 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM DAILY | JD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA OFF-PEAK | R7 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM DAYTON DA PEAK | D7 | 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 | 0 | 0.0% |
| PJM NI HUB 5MW REAL TIME | B6 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM NILL DA OFF-PEAK | L3 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM NILL DA PEAK | N3 | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM OFF-PEAK LMP SWAP FUT | JP | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PJM PECO ZONE5MW PEAK CAL MO DAY AH | 4N | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA OFF-PEAK | W6 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM PSEG DA PEAK | L6 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH DA OFF-PEAK | E4 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTHDA PEAK | J4 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT OFF-PEAK | N9 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| PJM WESTH RT PEAK | L1 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 15,814 | -100.0% |
| PLASTICS | PGP | 2,026 | 948 | 113.7% | 1,421 | 42.6% | 15,267 | 11,913 | 28.2% |
| PREMIUM UNLND 10P FOB MED | 3G | 0 | 0 | 0.0% | 180 | -100.0% | 185 | 158 | 17.1% |
| PREMIUM UNLEAD 10PPM FOB | 8G | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PREM UNL GAS 10PPM RDAM FOB BALMO | 7N | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PREM UNL GAS 10PPM RDAM FOB SWAP | 7L | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S | 1,333 | 850 | 56.8% | 915 | 45.7% | 14,899 | 18,328 | -18.7% |
| PROPANE NON-LDH MT. BEL (OPIS) SWP | 1R | 22,174 | 21,759 | 1.9% | 12,554 | 76.6% | 181,670 | 267,431 | -32.1% |
| RBOB CALENDAR SWAP | RL | 4,571 | 5,343 | -14.4% | 7,310 | -37.5% | 73,411 | 60,956 | 20.4% |
| RBOB CRACK SPREAD | RM | 575 | 495 | 16.2% | 3,099 | -81.4% | 21,699 | 11,785 | 84.1% |
| RBOB CRACK SPREAD BALMO S | 1E | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| RBOB GASOLINE BALMO CLNDR | 1D | 833 | 251 | 231.9% | 713 | 16.8% | 8,835 | 5,852 | 51.0% |
| RBOB PHY | RBL | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB VS HEATING OIL SWAP | RH | 0 | 0 | 0.0% | 0 | 0.0% | 1,105 | 5,665 | -80.5% |



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|-----------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| Energy Futures | | | | | | | | | |
| SAN JUAN BASIS SWAP | NJ | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SAN JUAN PIPE SWAP | XX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SINGAPORE 180CST BALMO | BS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 41 | -100.0% |
| SINGAPORE 380CST BALMO | BT | 0 | 0 | 0.0% | 13 | -100.0% | 23 | 39 | -41.0% |
| SINGAPORE 380CST FUEL OIL | SE | 189 | 32 | 490.6% | 167 | 13.2% | 2,023 | 2,329 | -13.1% |
| SINGAPORE FUEL 180CST CAL | UA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 215 | -100.0% |
| SINGAPORE FUEL OIL 180 CS | GMS | 0 | 0 | - | 0 | 0.0% | 12 | 0 | - |
| SINGAPORE FUEL OIL SPREAD | SD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 80 | -100.0% |
| SINGAPORE GASOIL | MAF | 350 | 201 | 74.1% | 292 | 19.9% | 3,089 | 2,215 | 39.5% |
| SINGAPORE GASOIL | MTB | 0 | 0 | 0.0% | 10 | -100.0% | 52 | 62 | -16.1% |
| SINGAPORE GASOIL | MTS | 437 | 167 | 161.7% | 494 | -11.5% | 4,091 | 3,502 | 16.8% |
| SINGAPORE GASOIL | SBM | 60 | 5 | 1,100.0% | 0 | 0.0% | 178 | 451 | -60.5% |
| SINGAPORE GASOIL | STZ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SINGAPORE GASOIL CALENDAR | GHS | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SINGAPORE GASOIL CALENDAR | MGO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| SINGAPORE GASOIL CALENDAR | MSG | 235 | 256 | -8.2% | 310 | -24.2% | 8,346 | 7,474 | 11.7% |
| SINGAPORE GASOIL SWAP | SG | 225 | 1,767 | -87.3% | 586 | -61.6% | 13,308 | 10,311 | 29.1% |
| SINGAPORE GASOIL VS ICE | GA | 1,080 | 0 | 0.0% | 600 | 80.0% | 11,108 | 282 | 3,839.0% |
| SINGAPORE JET KERO BALMO | BX | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 345 | -100.0% |
| SINGAPORE JET KERO GASOIL | RK | 1,758 | 0 | 0.0% | 0 | 0.0% | 3,748 | 575 | 551.8% |
| SINGAPORE JET KEROSENE SW | KS | 1,300 | 165 | 687.9% | 640 | 103.1% | 3,435 | 6,348 | -45.9% |
| SINGAPORE MOGAS 92 UNLEADED BALMO | 1P | 0 | 0 | 0.0% | 0 | 0.0% | 610 | 175 | 248.6% |
| SINGAPORE MOGAS 92 UNLEADED SWP | 1N | 725 | 0 | 0.0% | 1,620 | -55.2% | 7,281 | 24,280 | -70.0% |
| SING FUEL | MSD | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| Sumas Basis Swap | NK | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TC2 ROTTERDAM TO USAC 37K | TM | 0 | 0 | 0.0% | 195 | -100.0% | 300 | 45 | 566.7% |
| TC5 RAS TANURA TO YOKOHAM | TH | 0 | 0 | 0.0% | 300 | -100.0% | 620 | 140 | 342.9% |
| TCO BASIS SWAP | TC | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TD3 MEG TO JAPAN 250K MT | TL | 845 | 970 | -12.9% | 968 | -12.7% | 12,245 | 23,160 | -47.1% |
| TEXAS EASTERN ZONE M-3 BA | NX | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,057 | -100.0% |
| TRANSCO ZONE4 BASIS SWAP | TR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| TRANSCO ZONE 6 BASIS SWAP | NZ | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| UCM FUT | UCM | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| UK NBP NAT GAS CAL MTH FUT | UKG | 0 | 1,815 | -100.0% | 0 | 0.0% | 2,535 | 4,155 | -39.0% |
| ULSD UP-DOWN BALMO SWP | 1L | 6,255 | 6,120 | 2.2% | 6,290 | -0.6% | 55,049 | 57,896 | -4.9% |

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|---------------------------|-----|--------------------|--------------------|---------|--------------------|-----------|----------------------|----------------------|---------|
| Energy Futures | | | | | | | | | |
| UP DOWN GC ULSD VS NMX HO | LT | 30,319 | 40,469 | -25.1% | 37,642 | -19.5% | 378,058 | 504,076 | -25.0% |
| WAHA BASIS | NW | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT BULLET SWAP | BY | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| WTI-BRENT CALENDAR SWAP | BK | 80,450 | 30,895 | 160.4% | 77,017 | 4.5% | 572,509 | 404,209 | 41.6% |
| WTI CALENDAR | CS | 54,416 | 56,951 | -4.5% | 52,855 | 3.0% | 575,720 | 655,151 | -12.1% |
| WTI MIDLAND CRUDE OIL | WTL | 0 | 0 | 0.0% | 0 | 0.0% | 2,655 | 300 | 785.0% |
| WTS (ARGUS) VS WTI SWAP | FF | 0 | 0 | 0.0% | 7,171 | -100.0% | 38,356 | 55,150 | -30.5% |
| WTS (ARGUS) VS WTI TRD MT | FH | 300 | 72 | 316.7% | 0 | 0.0% | 6,375 | 12,389 | -48.5% |
| Energy Options | | | | | | | | | |
| BRENT CALENDAR SWAP | BA | 45 | 0 | 0.0% | 171 | -73.7% | 3,106 | 7,530 | -58.8% |
| BRENT CRUDE OIL 1 M CSO | 9C | 0 | 1,100 | -100.0% | 1,600 | -100.0% | 198,050 | 36,675 | 440.0% |
| BRENT OIL LAST DAY | BE | 7,649 | 14,819 | -48.4% | 32,872 | -76.7% | 231,991 | 378,614 | -38.7% |
| BRENT OIL LAST DAY | BZO | 50,182 | 37,812 | 32.7% | 22,078 | 127.3% | 290,872 | 522,463 | -44.3% |
| BRENT OIL LAST DAY | OS | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 25 | -100.0% |
| COAL API2 INDEX | CLA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| COAL API2 INDEX | CQA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| COAL API2 INDEX | F2C | 190 | 0 | - | 5 | 3,700.0% | 1,580 | 0 | - |
| COAL API2 INDEX | F2Q | 50 | 0 | - | 75 | -33.3% | 1,110 | 0 | - |
| CRUDE OIL | 6Y | 0 | 50 | -100.0% | 0 | 0.0% | 0 | 50 | -100.0% |
| CRUDE OIL 1MO | WA | 58,910 | 185,250 | -68.2% | 61,130 | -3.6% | 1,239,950 | 2,106,182 | -41.1% |
| CRUDE OIL APO | AO | 16,172 | 109,670 | -85.3% | 25,856 | -37.5% | 335,170 | 621,377 | -46.1% |
| CRUDE OIL CALNDR STRIP | 6F | 0 | 120 | -100.0% | 0 | 0.0% | 0 | 170 | -100.0% |
| CRUDE OIL OUTRIGHTS | AH | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CRUDE OIL OUTRIGHTS | WCI | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| CRUDE OIL PHY | CD | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,850 | -100.0% |
| CRUDE OIL PHY | LC | 21,909 | 7,436 | 194.6% | 32,490 | -32.6% | 141,495 | 115,489 | 22.5% |
| CRUDE OIL PHY | LO | 3,366,581 | 2,403,669 | 40.1% | 2,939,865 | 14.5% | 27,592,195 | 27,911,462 | -1.1% |
| CRUDE OIL PHY | LO1 | 53,714 | 8,912 | 502.7% | 14,208 | 278.1% | 239,618 | 183,093 | 30.9% |
| CRUDE OIL PHY | LO2 | 28,941 | 9,337 | 210.0% | 35,134 | -17.6% | 194,932 | 113,087 | 72.4% |
| CRUDE OIL PHY | LO3 | 28,733 | 9,093 | 216.0% | 217 | 13,141.0% | 150,815 | 118,178 | 27.6% |
| CRUDE OIL PHY | LO4 | 40,349 | 8,217 | 391.0% | 29,357 | 37.4% | 260,139 | 185,389 | 40.3% |
| CRUDE OIL PHY | LO5 | 0 | 0 | 0.0% | 37,540 | -100.0% | 79,307 | 59,518 | 33.2% |
| ELEC FINSETTLED | PJN | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 43 | -100.0% |
| ETHANOL SWAP | CVR | 6,173 | 2,135 | 189.1% | 6,281 | -1.7% | 36,500 | 48,666 | -25.0% |

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|---------------------------------------|-----|--------------------|--------------------|----------|--------------------|---------|----------------------|----------------------|----------|
| Energy Options | | | | | | | | | |
| ETHANOL SWAP | GVR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 600 | -100.0% |
| FREIGHT MARKETS | TDT | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| HEATING OIL CRK SPD AVG PRICE OPTIONS | 3W | 0 | 1,200 | -100.0% | 0 | 0.0% | 1,980 | 1,200 | 65.0% |
| HEATING OIL PHY | FZ | 0 | 0 | - | 0 | 0.0% | 2,225 | 0 | - |
| HEATING OIL PHY | LB | 0 | 0 | 0.0% | 252 | -100.0% | 1,911 | 3,527 | -45.8% |
| HEATING OIL PHY | OH | 12,072 | 11,728 | 2.9% | 9,888 | 22.1% | 91,687 | 147,038 | -37.6% |
| HENRY HUB FINANCIAL LAST | E7 | 5,312 | 4,249 | 25.0% | 2,677 | 98.4% | 88,049 | 76,860 | 14.6% |
| HO 1 MONTH CLNDR OPTIONS | FA | 0 | 0 | 0.0% | 0 | 0.0% | 200 | 100 | 100.0% |
| LLS CRUDE OIL | WJO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| LLS CRUDE OIL | WTO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 1,400 | -100.0% |
| MCCLOSKEY ARA ARG5 COAL | MTO | 0 | 2,425 | -100.0% | 0 | 0.0% | 540 | 8,248 | -93.5% |
| MCCLOSKEY RCH BAY COAL | MFO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 475 | -100.0% |
| NATURAL GAS 1 M CSO FIN | G4 | 76,220 | 43,590 | 74.9% | 138,059 | -44.8% | 647,028 | 1,089,608 | -40.6% |
| NATURAL GAS 2 M CSO FIN | G2 | 8,150 | 5,450 | 49.5% | 2,700 | 201.9% | 30,250 | 19,650 | 53.9% |
| NATURAL GAS 3 M CSO FIN | G3 | 0 | 12,750 | -100.0% | 0 | 0.0% | 247,994 | 494,025 | -49.8% |
| NATURAL GAS 5 M CSO FIN | G5 | 5,250 | 0 | 0.0% | 0 | 0.0% | 18,650 | 11,450 | 62.9% |
| NATURAL GAS 6 M CSO FIN | G6 | 7,050 | 3,100 | 127.4% | 7,550 | -6.6% | 114,950 | 151,400 | -24.1% |
| NATURAL GAS OPT | JKO | 2,500 | 0 | - | 2,400 | 4.2% | 21,560 | 0 | - |
| NATURAL GAS OPT | TFO | 0 | 2,450 | -100.0% | 200 | -100.0% | 153,770 | 216,920 | -29.1% |
| NATURAL GAS OPTION ON CALENDAR STRP | 6J | 2,100 | 6,260 | -66.5% | 0 | 0.0% | 63,320 | 33,080 | 91.4% |
| NATURAL GAS PHY | KD | 285 | 1,175 | -75.7% | 1,295 | -78.0% | 20,735 | 40,363 | -48.6% |
| NATURAL GAS PHY | LN | 1,334,882 | 2,164,130 | -38.3% | 1,764,300 | -24.3% | 22,448,890 | 26,265,316 | -14.5% |
| NATURAL GAS PHY | ON | 80,152 | 98,549 | -18.7% | 79,162 | 1.3% | 965,208 | 1,377,953 | -30.0% |
| NATURAL GAS SUMMER STRIP | 4D | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 400 | -100.0% |
| NATURAL GAS WINTER STRIP | 6I | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 600 | -100.0% |
| N ROCKIES PIPE SWAP | ZR | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| NY HARBOR HEAT OIL SWP | AT | 2,342 | 714 | 228.0% | 725 | 223.0% | 12,005 | 17,878 | -32.9% |
| PETROCHEMICALS | 4H | 390 | 10 | 3,800.0% | 343 | 13.7% | 9,902 | 660 | 1,400.3% |
| PETROCHEMICALS | 4J | 0 | 0 | 0.0% | 0 | 0.0% | 1,315 | 630 | 108.7% |
| PETROCHEMICALS | 4K | 0 | 500 | -100.0% | 0 | 0.0% | 0 | 1,040 | -100.0% |
| PETROCHEMICALS | CPR | 0 | 0 | 0.0% | 0 | 0.0% | 180 | 126 | 42.9% |
| PETRO OUTRIGHT EURO | BCO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 6 | -100.0% |
| PETRO OUTRIGHT NA | 1N5 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 200 | -100.0% |
| PETRO OUTRIGHT NA | DAP | 120 | 30 | 300.0% | 150 | -20.0% | 1,410 | 1,315 | 7.2% |
| PJM WES HUB PEAK CAL MTH | 6OA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 770 | -100.0% |

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NYMEX/COMEX Exchange Volume Report - Monthly

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|---------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Options | | | | | | | | | |
| PJM WES HUB PEAK LMP 50MW | PMA | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| RBOB 1MO CAL SPD OPTIONS | ZA | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| RBOB CALENDAR SWAP | RA | 0 | 0 | 0.0% | 84 | -100.0% | 1,274 | 2,161 | -41.0% |
| RBOB CRACK | RX | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| RBOB PHY | OB | 6,442 | 8,469 | -23.9% | 7,625 | -15.5% | 82,113 | 91,430 | -10.2% |
| RBOB PHY | RF | 0 | 0 | 0.0% | 0 | 0.0% | 480 | 1,043 | -54.0% |
| SAN JUAN PIPE SWAP | PJ | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SHORT TERM | U11 | 0 | 0 | 0.0% | 0 | 0.0% | 50 | 150 | -66.7% |
| SHORT TERM | U12 | 50 | 0 | 0.0% | 0 | 0.0% | 150 | 600 | -75.0% |
| SHORT TERM | U13 | 0 | 0 | 0.0% | 0 | 0.0% | 200 | 600 | -66.7% |
| SHORT TERM | U14 | 0 | 0 | 0.0% | 300 | -100.0% | 300 | 200 | 50.0% |
| SHORT TERM | U15 | 0 | 0 | 0.0% | 0 | 0.0% | 350 | 700 | -50.0% |
| SHORT TERM | U22 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| SHORT TERM | U23 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 150 | -100.0% |
| SHORT TERM | U24 | 0 | 0 | 0.0% | 0 | 0.0% | 100 | 50 | 100.0% |
| SHORT TERM | U25 | 0 | 0 | - | 0 | 0.0% | 300 | 0 | - |
| SHORT TERM | U26 | 0 | 0 | 0.0% | 0 | 0.0% | 75 | 0 | 0.0% |
| SHORT TERM NATURAL GAS | U01 | 50 | 0 | 0.0% | 0 | 0.0% | 275 | 500 | -45.0% |
| SHORT TERM NATURAL GAS | U02 | 0 | 0 | 0.0% | 0 | 0.0% | 650 | 550 | 18.2% |
| SHORT TERM NATURAL GAS | U03 | 0 | 0 | 0.0% | 0 | 0.0% | 100 | 650 | -84.6% |
| SHORT TERM NATURAL GAS | U04 | 200 | 0 | 0.0% | 0 | 0.0% | 550 | 1,350 | -59.3% |
| SHORT TERM NATURAL GAS | U05 | 0 | 0 | 0.0% | 0 | 0.0% | 200 | 350 | -42.9% |
| SHORT TERM NATURAL GAS | U06 | 0 | 50 | -100.0% | 0 | 0.0% | 800 | 150 | 433.3% |
| SHORT TERM NATURAL GAS | U07 | 0 | 0 | 0.0% | 0 | 0.0% | 325 | 600 | -45.8% |
| SHORT TERM NATURAL GAS | U08 | 0 | 0 | 0.0% | 0 | 0.0% | 50 | 400 | -87.5% |
| SHORT TERM NATURAL GAS | U09 | 0 | 0 | 0.0% | 0 | 0.0% | 300 | 250 | 20.0% |
| SHORT TERM NATURAL GAS | U10 | 0 | 0 | 0.0% | 0 | 0.0% | 100 | 450 | -77.8% |
| SHORT TERM NATURAL GAS | U16 | 0 | 200 | -100.0% | 0 | 0.0% | 75 | 300 | -75.0% |
| SHORT TERM NATURAL GAS | U17 | 0 | 50 | -100.0% | 0 | 0.0% | 150 | 375 | -60.0% |
| SHORT TERM NATURAL GAS | U18 | 0 | 50 | -100.0% | 0 | 0.0% | 100 | 200 | -50.0% |
| SHORT TERM NATURAL GAS | U19 | 0 | 50 | -100.0% | 0 | 0.0% | 0 | 325 | -100.0% |
| SHORT TERM NATURAL GAS | U20 | 0 | 0 | 0.0% | 0 | 0.0% | 300 | 300 | 0.0% |
| SHORT TERM NATURAL GAS | U21 | 0 | 0 | 0.0% | 0 | 0.0% | 300 | 200 | 50.0% |
| SHORT TERM NATURAL GAS | U27 | 0 | 500 | -100.0% | 0 | 0.0% | 50 | 1,150 | -95.7% |
| SHORT TERM NATURAL GAS | U28 | 0 | 0 | 0.0% | 0 | 0.0% | 100 | 600 | -83.3% |

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NYMEX/COMEX Exchange Volume Report - Monthly

| Commodity | | VOLUME NOV 2021 | VOLUME NOV 2020 | % CHG | VOLUME OCT 2021 | % CHG | VOLUME Y.T.D 2021 | VOLUME Y.T.D 2020 | % CHG |
|----------------------------------|-----|--------------------|--------------------|---------|--------------------|---------|----------------------|----------------------|---------|
| Energy Options | | | | | | | | | |
| SHORT TERM NATURAL GAS | U29 | 0 | 0 | 0.0% | 0 | 0.0% | 50 | 950 | -94.7% |
| SHORT TERM NATURAL GAS | U30 | 0 | 0 | 0.0% | 0 | 0.0% | 250 | 1,075 | -76.7% |
| SHORT TERM NATURAL GAS | U31 | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 150 | -100.0% |
| WTI-BRENT BULLET SWAP | BV | 54,425 | 23,300 | 133.6% | 27,500 | 97.9% | 335,925 | 508,182 | -33.9% |
| WTI CRUDE OIL 1 M CSO FI | 7A | 40,085 | 110,370 | -63.7% | 61,105 | -34.4% | 746,785 | 999,870 | -25.3% |
| Metals Futures | | | | | | | | | |
| COMEX GOLD | GC | 6,130,590 | 6,177,080 | -0.8% | 4,119,014 | 48.8% | 55,391,386 | 74,092,116 | -25.2% |
| NYMEX HOT ROLLED STEEL | HR | 17,776 | 19,194 | -7.4% | 23,211 | -23.4% | 227,056 | 203,505 | 11.6% |
| NYMEX PLATINUM | PL | 364,392 | 277,596 | 31.3% | 299,521 | 21.7% | 4,005,434 | 4,111,451 | -2.6% |
| PALLADIUM | PA | 84,800 | 59,389 | 42.8% | 42,972 | 97.3% | 567,209 | 655,836 | -13.5% |
| URANIUM | UX | 0 | 0 | 0.0% | 53 | -100.0% | 1,183 | 1,855 | -36.2% |
| COMEX SILVER | SI | 1,880,818 | 2,139,688 | -12.1% | 1,184,346 | 58.8% | 18,661,387 | 24,444,751 | -23.7% |
| COMEX E-Mini GOLD | QO | 26,937 | 26,345 | 2.2% | 18,826 | 43.1% | 253,486 | 362,461 | -30.1% |
| COMEX E-Mini SILVER | QI | 5,279 | 5,293 | -0.3% | 3,776 | 39.8% | 64,421 | 99,922 | -35.5% |
| COMEX COPPER | HG | 1,977,841 | 2,214,470 | -10.7% | 1,786,103 | 10.7% | 23,422,235 | 22,766,064 | 2.9% |
| COMEX MINY COPPER | QC | 8,864 | 2,142 | 313.8% | 8,878 | -0.2% | 55,837 | 11,907 | 368.9% |
| ALUMINUM | A38 | 0 | 0 | 0.0% | 0 | 0.0% | 174 | 0 | 0.0% |
| ALUMINUM | AEP | 3,923 | 1,734 | 126.2% | 1,714 | 128.9% | 30,848 | 36,815 | -16.2% |
| ALUMINUM | ALA | 60 | 200 | -70.0% | 90 | -33.3% | 3,705 | 1,809 | 104.8% |
| ALUMINUM | ALI | 13,922 | 2,465 | 464.8% | 14,904 | -6.6% | 130,003 | 41,090 | 216.4% |
| ALUMINUM | AUP | 9,917 | 5,412 | 83.2% | 9,106 | 8.9% | 73,424 | 104,077 | -29.5% |
| ALUMINUM | CUP | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 50 | -100.0% |
| ALUMINUM | EDP | 6,218 | 2,820 | 120.5% | 4,592 | 35.4% | 39,562 | 40,001 | -1.1% |
| ALUMINUM | MJP | 1,992 | 640 | 211.3% | 1,080 | 84.4% | 5,162 | 11,150 | -53.7% |
| COBALT METAL FUTURES | COB | 273 | 0 | - | 180 | 51.7% | 3,222 | 0 | - |
| COPPER | HGS | 1,337 | 1,292 | 3.5% | 213 | 527.7% | 24,038 | 32,990 | -27.1% |
| FERROUS PRODUCTS | BUS | 1,243 | 3,853 | -67.7% | 1,270 | -2.1% | 16,068 | 23,416 | -31.4% |
| GOLD | 4GC | 0 | 101 | -100.0% | 0 | 0.0% | 116 | 734 | -84.2% |
| GOLD | SGC | 566 | 933 | -39.3% | 1,516 | -62.7% | 17,463 | 18,071 | -3.4% |
| GOLD | SGU | 14,715 | 3,341 | 340.4% | 11,390 | 29.2% | 72,758 | 58,470 | 24.4% |
| HOT ROLLED COIL STEEL FUTURES | EHR | 1,742 | 1,600 | 8.9% | 785 | 121.9% | 12,695 | 5,762 | 120.3% |
| IRON ORE 62 CHINA PLATTS FUTURES | PIO | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |



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|-----------------------------------|-----|--------------------|--------------------|----------|--------------------|----------|----------------------|----------------------|----------|
| Metals Futures | | | | | | | | | |
| IRON ORE 62 CHINA TSI FUTURES | TIO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 14,498 | -100.0% |
| IRON ORE CHINA | TIO | 1,630 | 1,418 | 15.0% | 608 | 168.1% | 11,016 | 6,835 | 61.2% |
| LNDN ZINC | ZNC | 0 | 0 | 0.0% | 0 | - | 0 | 0 | 0.0% |
| METALS | HDG | 0 | 0 | 0.0% | 0 | 0.0% | 143 | 30 | 376.7% |
| METALS | LTH | 0 | 0 | - | 0 | 0.0% | 10 | 0 | - |
| MICRO GOLD | MGC | 1,271,788 | 1,588,687 | -19.9% | 1,054,682 | 20.6% | 13,194,542 | 20,183,639 | -34.6% |
| SILVER | SIL | 131,283 | 238,618 | -45.0% | 103,555 | 26.8% | 2,101,191 | 2,147,327 | -2.1% |
| Metals Options | | | | | | | | | |
| ALUMINUM | ALO | 0 | 0 | 0.0% | 0 | 0.0% | 2,250 | 150 | 1,400.0% |
| COMEX COPPER | HX | 45,922 | 26,231 | 75.1% | 64,872 | -29.2% | 713,861 | 405,006 | 76.3% |
| COMEX GOLD | OG | 850,608 | 997,540 | -14.7% | 738,504 | 15.2% | 7,855,215 | 12,621,180 | -37.8% |
| COMEX SILVER | SO | 118,369 | 152,667 | -22.5% | 97,239 | 21.7% | 1,678,421 | 2,096,716 | -20.0% |
| COPPER | H1E | 38 | 0 | 0.0% | 1 | 3,700.0% | 85 | 1,083 | -92.2% |
| COPPER | H2E | 55 | 4 | 1,275.0% | 0 | 0.0% | 98 | 692 | -85.8% |
| COPPER | H3E | 35 | 0 | 0.0% | 9 | 288.9% | 68 | 742 | -90.8% |
| COPPER | H4E | 11 | 0 | 0.0% | 2 | 450.0% | 160 | 370 | -56.8% |
| COPPER | H5E | 0 | 0 | 0.0% | 5 | -100.0% | 7 | 692 | -99.0% |
| GOLD | OG1 | 64,964 | 39,562 | 64.2% | 20,822 | 212.0% | 485,652 | 389,449 | 24.7% |
| GOLD | OG2 | 72,133 | 49,091 | 46.9% | 30,724 | 134.8% | 487,168 | 427,864 | 13.9% |
| GOLD | OG3 | 54,970 | 24,825 | 121.4% | 35,476 | 54.9% | 470,891 | 355,509 | 32.5% |
| GOLD | OG4 | 54,743 | 21,683 | 152.5% | 33,232 | 64.7% | 327,166 | 307,846 | 6.3% |
| GOLD | OG5 | 0 | 0 | 0.0% | 33,864 | -100.0% | 123,602 | 124,762 | -0.9% |
| HOT ROLLED COIL STEEL CALL OPTION | HRO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 75 | -100.0% |
| HOT ROLLED COIL STEEL PUT OPTION | HRO | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 0 | 0.0% |
| IRON ORE 62 CHINA TSI CALL OPTION | ICT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 3,740 | -100.0% |
| IRON ORE 62 CHINA TSI PUT OPTION | ICT | 0 | 0 | 0.0% | 0 | 0.0% | 0 | 6,349 | -100.0% |
| IRON ORE CHINA | ICT | 0 | 0 | 0.0% | 150 | -100.0% | 6,198 | 380 | 1,531.1% |
| NYMEX HOT ROLLED STEEL | HRO | 830 | 150 | 453.3% | 365 | 127.4% | 3,800 | 975 | 289.7% |
| NYMEX PLATINUM | PO | 2,855 | 339 | 742.2% | 3,384 | -15.6% | 33,270 | 26,779 | 24.2% |
| PALLADIUM | PAO | 68 | 234 | -70.9% | 172 | -60.5% | 6,630 | 6,882 | -3.7% |
| SILVER | SO1 | 5,586 | 2,053 | 172.1% | 2,252 | 148.0% | 36,701 | 27,023 | 35.8% |
| SILVER | SO2 | 6,754 | 1,802 | 274.8% | 2,797 | 141.5% | 40,218 | 25,221 | 59.5% |
| SILVER | SO3 | 3,490 | 1,059 | 229.6% | 4,087 | -14.6% | 32,509 | 21,599 | 50.5% |
| SILVER | SO4 | 3,109 | 398 | 681.2% | 3,409 | -8.8% | 22,621 | 15,906 | 42.2% |

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|----------------------------|--------------------|--------------------|--------------|--------------------|-------------|----------------------|----------------------|---------------|--|
| Metals Options | | | | | | | | | |
| SILVER | 0 | 0 | 0.0% | 2,989 | -100.0% | 8,830 | 7,544 | 17.0% | |
| TOTAL FUTURES GROUP | | | | | | | | | |
| Ag Products Futures | 0 | 0 | 0.0% | 0 | 0.0% | 2 | 69 | -97.1% | |
| Energy Futures | 45,123,045 | 36,455,283 | 23.8% | 47,540,693 | -5.1% | 453,363,068 | 502,695,485 | -9.8% | |
| Metals Futures | 11,957,906 | 12,774,311 | -6.4% | 8,692,385 | 37.6% | 118,385,774 | 149,476,632 | -20.8% | |
| TOTAL FUTURES | 57,080,951 | 49,229,594 | 15.9% | 56,233,078 | 1.5% | 571,748,844 | 652,172,186 | -12.3% | |
| TOTAL OPTIONS GROUP | | | | | | | | | |
| Energy Options | 5,317,675 | 5,298,969 | 0.4% | 5,345,194 | -0.5% | 57,113,416 | 63,988,710 | -10.7% | |
| Metals Options | 1,284,540 | 1,317,638 | -2.5% | 1,074,355 | 19.6% | 12,335,421 | 16,874,534 | -26.9% | |
| TOTAL OPTIONS | 6,602,215 | 6,616,607 | -0.2% | 6,419,549 | 2.8% | 69,448,837 | 80,863,244 | -14.1% | |
| TOTAL COMBINED | | | | | | | | | |
| Ag Products | 0 | 0 | 0.0% | 0 | - | 2 | 69 | -97.1% | |
| Energy | 50,440,720 | 41,754,252 | 20.8% | 52,885,887 | -4.6% | 510,476,484 | 566,684,195 | -9.9% | |
| Metals | 13,242,446 | 14,091,949 | -6.0% | 9,766,740 | 35.6% | 130,721,195 | 166,351,166 | -21.4% | |
| GRAND TOTAL | 63,683,166 | 55,846,201 | 14.0% | 62,652,627 | 1.6% | 641,197,681 | 733,035,430 | -12.5% | |