

NYMEX/COMEX Exchange ADV Report - Monthly

May 2023

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| Commodity | | ADV MAY 2023 | ADV MAY 2022 | % CHG | ADV APR 2023 | % CHG | ADV Y.T.D 2023 | ADV Y.T.D 2022 | % CHG |
|-------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Metals Futures | | | | | | | | | |
| COMEX GOLD | GC | 277,718 | 235,072.95 | 18.1% | 201,909.16 | 37.5% | 252,043 | 239,269.91 | 5.3% |
| NYMEX HOT ROLLED STEEL | HR | 910 | 793.76 | 14.6% | 1,035.05 | -12.1% | 1,386 | 1,188.9 | 16.6% |
| NYMEX PLATINUM | PL | 18,811 | 15,956.95 | 17.9% | 19,239.21 | -2.2% | 21,725 | 19,563.97 | 11.0% |
| PALLADIUM | PA | 4,174 | 2,525.1 | 65.3% | 2,358.05 | 77.0% | 3,185 | 2,522.48 | 26.3% |
| URANIUM | UX | 0 | 0 | - | 0 | - | 0 | 0.23 | -100.0% |
| COMEX SILVER | SI | 65,400 | 57,333.86 | 14.1% | 86,167.42 | -24.1% | 73,719 | 68,198.5 | 8.1% |
| COMEX E-Mini GOLD | QO | 1,622 | 1,640.29 | -1.1% | 1,866.68 | -13.1% | 2,037 | 1,564.54 | 30.2% |
| COMEX E-Mini SILVER | QI | 281 | 176.62 | 58.8% | 359.53 | -22.0% | 329 | 202.45 | 62.4% |
| COMEX COPPER | HG | 87,659 | 64,536.05 | 35.8% | 114,909.79 | -23.7% | 105,440 | 81,539.68 | 29.3% |
| COMEX MINY COPPER | QC | 286 | 143.52 | 99.3% | 327.63 | -12.7% | 301 | 176.24 | 70.7% |
| ALUMINUM | AEP | 17 | 33.43 | -49.7% | 67.47 | -75.1% | 131 | 85.24 | 53.3% |
| ALUMINUM | ALA | 3 | 1.43 | 90.9% | 0 | - | 2 | 15.92 | -85.4% |
| ALUMINUM | ALI | 3,999 | 1,646.81 | 142.8% | 4,311.89 | -7.3% | 3,570 | 837.63 | 326.2% |
| ALUMINUM | AUP | 314 | 219.67 | 42.8% | 316.58 | -0.9% | 330 | 251.29 | 31.1% |
| ALUMINUM | EDP | 195 | 111.14 | 75.6% | 156.05 | 25.1% | 209 | 175.78 | 18.9% |
| ALUMINUM | MJP | 0 | 41.9 | -100.0% | 8.42 | -100.0% | 7 | 22.23 | -66.8% |
| COBALT METAL FUTURES | COB | 83 | 35.29 | 135.1% | 175.58 | -52.8% | 150 | 25.03 | 500.9% |
| COBALT METAL FUTURES | MOX | 8 | 0 | - | 7.84 | -3.2% | 5 | 0 | - |
| COPPER | HGS | 1 | 63.48 | -99.1% | 196.05 | -99.7% | 91 | 102.73 | -11.0% |
| COPPER | MHG | 5,084 | 2,043.67 | 148.8% | 5,405.42 | -6.0% | 5,436 | 416.67 | 1204.6% |
| FERROUS PRODUCTS | BUS | 19 | 120.48 | -84.0% | 45.16 | -57.2% | 53 | 129.07 | -58.6% |
| FERROUS PRODUCTS | FSF | 3 | 0 | - | 1.32 | 110.7% | 1 | 0 | - |
| GOLD | SGC | 21 | 9.48 | 120.2% | 41.58 | -49.8% | 18 | 47.35 | -61.8% |
| GOLD | SGU | 24 | 27.9 | -14.3% | 39.16 | -38.9% | 19 | 442.98 | -95.7% |
| HOT ROLLED COIL STEEL FUTURES | EHR | 135 | 155.9 | -13.6% | 167.37 | -19.5% | 286 | 109.78 | 160.4% |
| IRON ORE CHINA | TIO | 0 | 41.38 | -100.0% | 1.79 | -100.0% | 8 | 59.5 | -86.4% |
| METALS | HDG | 0 | 6.86 | -100.0% | 0 | - | 14 | 3.41 | 297.4% |
| METALS | LTH | 8 | 0 | - | 59.68 | -86.6% | 20 | 0 | - |
| METALS | PAC | 0 | 0 | - | 0 | - | 5 | 9.71 | -50.0% |
| MICRO GOLD | MGC | 87,466 | 47,068.33 | 85.8% | 83,563.42 | 4.7% | 75,450 | 57,906.46 | 30.3% |
| SILVER | SIL | 11,156 | 7,860.57 | 41.9% | 12,225.74 | -8.8% | 11,213 | 8,581.05 | 30.7% |

Metals Options

| | | | | | | | | | |
|----------|-----|---|---|---|---|---|---|---|---|
| ALUMINUM | ALO | 0 | 0 | - | 0 | - | 0 | 0 | - |
|----------|-----|---|---|---|---|---|---|---|---|

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| Metals Options | | | | | | | | | |
| ALUMINUM | AX | 47 | 0 | - | 42.68 | 10.2% | 39 | 0 | - |
| COMEX COPPER | HX | 3,970 | 4,162.67 | -4.6% | 5,540.42 | -28.3% | 6,895 | 3,520.57 | 95.8% |
| COMEX GOLD | ECGC | 185 | 0 | - | 451.42 | -59.0% | 269 | 0 | - |
| COMEX GOLD | OG | 54,532 | 40,850.81 | 33.5% | 47,664.63 | 14.4% | 52,814 | 45,382.07 | 16.4% |
| COMEX SILVER | ECSI | 55 | 0 | - | 500.11 | -89.0% | 263 | 0 | - |
| COMEX SILVER | SO | 7,909 | 6,136.38 | 28.9% | 8,857.84 | -10.7% | 8,162 | 5,573.51 | 46.4% |
| COPPER | ECHG | 25 | 0 | - | 246.47 | -89.8% | 217 | 0 | - |
| COPPER | H1E | 65 | 2.81 | 2205.5% | 23.74 | 172.9% | 42 | 4.66 | 799.8% |
| COPPER | H1M | 10 | 0.05 | 19858.0% | 3 | 216.7% | 10 | 0.01 | 97988.7% |
| COPPER | H1W | 21 | 2.67 | 702.9% | 10.37 | 106.5% | 18 | 0.54 | 3255.3% |
| COPPER | H2E | 29 | 6.19 | 373.6% | 61.74 | -52.5% | 44 | 8.78 | 401.0% |
| COPPER | H2M | 11 | 1.62 | 557.0% | 6.21 | 71.3% | 16 | 0.33 | 4888.2% |
| COPPER | H2W | 21 | 2.9 | 612.0% | 15 | 37.9% | 21 | 0.59 | 3452.7% |
| COPPER | H3E | 34 | 5.95 | 478.1% | 18.42 | 86.8% | 31 | 4.08 | 653.6% |
| COPPER | H3M | 9 | 1.43 | 498.2% | 8.16 | 4.7% | 10 | 0.29 | 3290.7% |
| COPPER | H3W | 15 | 1.14 | 1244.3% | 10.32 | 48.9% | 17 | 0.23 | 7129.5% |
| COPPER | H4E | 23 | 6.1 | 272.9% | 22.32 | 1.8% | 22 | 3.03 | 641.7% |
| COPPER | H4M | 6 | 0.81 | 674.9% | 2.95 | 112.8% | 14 | 0.17 | 8126.0% |
| COPPER | H4W | 11 | 0 | - | 4 | 170.5% | 9 | 0 | - |
| COPPER | H5E | 0 | 0 | - | 0 | - | 2 | 0.31 | 684.6% |
| COPPER | H5M | 0 | 0 | - | 0 | - | 2 | 0 | - |
| COPPER | H5W | 15 | 0 | - | 0 | - | 6 | 0 | - |
| GOLD | G1M | 539 | 71.43 | 654.7% | 491.63 | 9.7% | 509 | 14.56 | 3392.5% |
| GOLD | G1W | 452 | 174.76 | 158.9% | 604.11 | -25.1% | 486 | 35.63 | 1263.2% |
| GOLD | G2M | 563 | 70.33 | 700.7% | 639.05 | -11.9% | 580 | 14.34 | 3941.5% |
| GOLD | G2W | 498 | 88.76 | 461.4% | 653.37 | -23.7% | 526 | 18.1 | 2808.3% |
| GOLD | G3M | 358 | 71.48 | 401.4% | 587.84 | -39.0% | 402 | 14.57 | 2655.7% |
| GOLD | G3W | 401 | 101.48 | 295.1% | 715.11 | -43.9% | 561 | 20.69 | 2612.3% |
| GOLD | G4M | 541 | 81.14 | 566.5% | 287.63 | 88.0% | 389 | 16.54 | 2250.9% |
| GOLD | G4W | 373 | 11.57 | 3124.6% | 388.21 | -3.9% | 410 | 2.36 | 17277.1% |
| GOLD | G5M | 0 | 0 | - | 0 | - | 77 | 0 | - |
| GOLD | G5W | 586 | 0 | - | 0 | - | 177 | 0 | - |
| GOLD | OG1 | 3,579 | 2,585.62 | 38.4% | 2,189.89 | 63.4% | 2,581 | 2,577.16 | 0.1% |
| GOLD | OG2 | 3,245 | 2,324.57 | 39.6% | 3,264.84 | -0.6% | 2,960 | 2,545.97 | 16.3% |
| GOLD | OG3 | 2,433 | 1,902.33 | 27.9% | 1,881.89 | 29.3% | 2,843 | 2,485.27 | 14.4% |

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| Metals Options | | | | | | | | | |
| GOLD | OG4 | 1,357 | 1,451.76 | -6.6% | 2,196.58 | -38.2% | 1,696 | 2,240.47 | -24.3% |
| GOLD | OG5 | 0 | 0 | - | 0 | - | 417 | 379.47 | 9.9% |
| IRON ORE CHINA | ICT | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NYMEX HOT ROLLED STEEL | HRO | 54 | 44.1 | 21.6% | 71.05 | -24.5% | 115 | 76.56 | 49.6% |
| NYMEX PLATINUM | PO | 1,218 | 146.9 | 729.3% | 1,438.79 | -15.3% | 819 | 310.08 | 164.1% |
| PALLADIUM | PAO | 62 | 0.33 | 18406.4% | 48.37 | 27.5% | 53 | 0.94 | 5577.6% |
| SILVER | M1S | 103 | 2.76 | 3635.9% | 73.32 | 40.7% | 67 | 0.56 | 11855.3% |
| SILVER | M2S | 86 | 8 | 976.1% | 161.32 | -46.6% | 85 | 1.63 | 5110.9% |
| SILVER | M3S | 52 | 14 | 270.5% | 37.16 | 39.6% | 38 | 2.85 | 1226.2% |
| SILVER | M4S | 69 | 4.29 | 1511.0% | 20.63 | 234.7% | 42 | 0.87 | 4708.8% |
| SILVER | M5S | 0 | 0 | - | 0 | - | 6 | 0 | - |
| SILVER | SO1 | 363 | 202.1 | 79.5% | 361 | 0.5% | 395 | 244.94 | 61.3% |
| SILVER | SO2 | 600 | 213.9 | 180.4% | 457.11 | 31.2% | 408 | 290.66 | 40.4% |
| SILVER | SO3 | 228 | 149.81 | 52.1% | 347.95 | -34.5% | 329 | 203.1 | 62.1% |
| SILVER | SO4 | 154 | 109.62 | 40.0% | 189.68 | -19.1% | 179 | 167.95 | 6.7% |
| SILVER | SO5 | 0 | 0 | - | 0 | - | 77 | 22.22 | 246.6% |
| SILVER | W1S | 94 | 18.81 | 399.3% | 135.42 | -30.7% | 80 | 3.84 | 1987.8% |
| SILVER | W2S | 47 | 9.05 | 419.5% | 104.26 | -54.9% | 68 | 1.84 | 3573.8% |
| SILVER | W3S | 49 | 8.05 | 506.6% | 74.21 | -34.2% | 68 | 1.64 | 4030.7% |
| SILVER | W4S | 43 | 4.52 | 843.5% | 49 | -12.9% | 40 | 0.92 | 4262.2% |
| SILVER | W5S | 76 | 0 | - | 0 | - | 19 | 0 | - |

Energy Futures

| | | | | | | | | | |
|--------------------|----|---------|------------|--------|------------|---------|---------|------------|--------|
| CRUDE OIL PHY | CL | 778,369 | 660,714.48 | 17.8% | 794,371.11 | -2.0% | 803,701 | 925,134.55 | -13.1% |
| CRUDE OIL | WS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| MINY WTI CRUDE OIL | QM | 16,678 | 24,456.71 | -31.8% | 15,314.63 | 8.9% | 16,207 | 31,408.9 | -48.4% |
| BRENT OIL LAST DAY | BZ | 54,359 | 57,644.24 | -5.7% | 53,700.58 | 1.2% | 56,177 | 79,107.02 | -29.0% |
| HEATING OIL PHY | HO | 125,915 | 140,638.14 | -10.5% | 144,331.95 | -12.8% | 149,637 | 171,536.19 | -12.8% |
| HTG OIL | BH | 0 | 0 | - | 2.53 | -100.0% | 0 | 0.35 | 33.3% |
| MINY HTG OIL | QH | 0 | 0.24 | 90.9% | 0.42 | 7.9% | 1 | 0.37 | 42.1% |
| RBOB PHY | RB | 182,616 | 190,381.29 | -4.1% | 177,206.11 | 3.1% | 168,655 | 189,808.5 | -11.1% |
| MINY RBOB GAS | QU | 0 | 0.38 | -16.5% | 0.74 | -56.8% | 1 | 0.45 | 19.6% |

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|------------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Futures | | | | | | | | | |
| NATURAL GAS | HP | 8,501 | 8,035.38 | 5.8% | 10,529.58 | -19.3% | 9,994 | 9,209.48 | 8.5% |
| LTD NAT GAS | HH | 15,757 | 17,293.24 | -8.9% | 15,223.95 | 3.5% | 17,774 | 17,646.45 | 0.7% |
| MINY NATURAL GAS | QG | 7,726 | 20,598 | -62.5% | 10,097.53 | -23.5% | 13,262 | 14,923.32 | -11.1% |
| NATURAL GAS PHY | NG | 389,287 | 316,610.76 | 23.0% | 429,585.26 | -9.4% | 414,999 | 382,011.53 | 8.6% |
| RBOB GAS | RT | 0 | 0 | - | 1.89 | -100.0% | 0 | 0.23 | 50.0% |
| AEP-DAYTON HUB DAILY | VD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| ARGUS LLS VS. WTI (ARG) T | E5 | 138 | 238.81 | -42.3% | 205.53 | -33.0% | 211 | 215.19 | -2.1% |
| ARGUS PROPAN FAR EST INDE | 7E | 403 | 282.76 | 42.4% | 363.37 | 10.8% | 405 | 271.21 | 49.5% |
| ARGUS PROPAN(SAUDI ARAMCO | 9N | 91 | 103.1 | -12.1% | 89.68 | 1.0% | 146 | 108.82 | 34.1% |
| BRENT BALMO SWAP | J9 | 0 | 0 | - | 0 | - | 0 | 14.44 | -100.0% |
| BRENT CALENDAR SWAP | CY | 523 | 217.86 | 140.1% | 502.05 | 4.2% | 486 | 751.39 | -35.3% |
| BRENT FINANCIAL FUTURES | MBC | 5 | 0 | - | 0 | - | 3 | 0 | - |
| BRENT OIL LAST DAY | BZL | 0 | 0 | - | 0 | - | 0 | 0 | - |
| BRENT OIL LAST DAY | BZS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| CAR VINTAGE | GEO | 790 | 68.43 | 1053.8% | 685.68 | 15.1% | 612 | 110.56 | 453.9% |
| CAR VINTAGE | NGO | 239 | 318.48 | -25.0% | 216 | 10.6% | 337 | 496.95 | -32.1% |
| CHICAGO ETHANOL SWAP | CU | 3,490 | 2,520.71 | 38.4% | 3,593.89 | -2.9% | 3,412 | 2,814.65 | 21.2% |
| CHICAGO ULSD PL VS HO SPR | 5C | 44 | 35.95 | 23.3% | 33.95 | 30.5% | 44 | 35.81 | 23.6% |
| CHICAGO UNL GAS PL VS RBO | 3C | 0 | 0 | - | 0 | - | 0 | 0 | - |
| CONWAY NATURAL GASOLINE (OPIS) SWA | 8L | 1 | 32.14 | -97.5% | 12 | -93.2% | 4 | 15.45 | -76.2% |
| CONWAY NORMAL BUTANE (OPIS) SWAP | 8M | 20 | 10.95 | 83.0% | 20.11 | -0.3% | 12 | 13.85 | -16.6% |
| CONWAY PROPANE 5 DECIMALS SWAP | 8K | 1,133 | 901.57 | 25.7% | 956.32 | 18.5% | 921 | 737.92 | 24.8% |
| CRUDE OIL LAST DAY | 26 | 35 | 23.81 | 46.8% | 0 | - | 24 | 18 | 31.2% |
| CRUDE OIL OUTRIGHTS | 42 | 12 | 54.81 | -77.9% | 21.26 | -43.1% | 15 | 58.84 | -74.0% |
| CRUDE OIL OUTRIGHTS | CC5 | 0 | 5 | -100.0% | 0 | - | 0 | 15.2 | -100.0% |
| CRUDE OIL OUTRIGHTS | CSW | 0 | 8.57 | -100.0% | 0 | - | 0 | 10.49 | -100.0% |
| CRUDE OIL OUTRIGHTS | GSW | 0 | 0 | - | 0 | - | 0 | 0 | - |
| CRUDE OIL OUTRIGHTS | HTT | 4,829 | 3,370.43 | 43.3% | 7,463.84 | -35.3% | 7,306 | 3,381.74 | 116.0% |
| CRUDE OIL OUTRIGHTS | LSW | 0 | 28.57 | -100.0% | 0 | - | 1 | 35.44 | -97.3% |
| CRUDE OIL OUTRIGHTS | WCW | 0 | 192.86 | -100.0% | 0 | - | 0 | 155.1 | -100.0% |
| CRUDE OIL PHY | CLL | 0 | 0 | - | 0 | - | 0 | 0 | - |
| CRUDE OIL PHY | MCL | 104,635 | 108,248.43 | -3.3% | 87,165.58 | 20.0% | 93,986 | 128,528.56 | -26.9% |
| CRUDE OIL SPRDS | ANT | 18 | 41.9 | -57.7% | 7.37 | 140.6% | 27 | 18.3 | 50.1% |
| CRUDE OIL SPRDS | HIL | 0 | 0 | - | 0 | - | 0 | 31.6 | -100.0% |
| CRUDE OIL SPRDS | WTT | 2,239 | 2,779.57 | -19.4% | 4,141.53 | -45.9% | 3,476 | 2,450.86 | 41.8% |

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| Energy Futures | | | | | | | | | |
| CRUDE OIL TRADE AT MARKER SINGAPOR | CLS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| DAILY PJM | AOR | 0 | 0 | - | 0 | - | 0 | 0 | - |
| DAILY PJM | IDO | 0 | 0 | - | 0 | - | 0 | 0 | - |
| DAILY PJM | NOC | 0 | 0 | - | 0 | - | 0 | 0 | - |
| DAILY PJM | WOR | 0 | 0 | - | 0 | - | 0 | 0 | - |
| DATED TO FRONTLINE BRENT | FY | 0 | 0 | - | 0 | - | 0 | 21.55 | -100.0% |
| DIESEL 10P BRG FOB RDM VS | 7X | 0 | 0 | - | 0 | - | 0 | 0.05 | -100.0% |
| DUBAI CRUDE OIL CALENDAR | DC | 0 | 0 | - | 0 | - | 0 | 19.42 | -100.0% |
| DUTCH TTF NATURAL GAS CAL MONTH FUT | TTF | 350 | 24.71 | 1316.9% | 179.84 | 94.7% | 126 | 137.78 | -8.7% |
| EIA FLAT TAX ONHWAY DIESE | A5 | 0 | 0 | - | 9.32 | -95.1% | 7 | 4.43 | 58.1% |
| EMMISSIONS | CGO | 161 | 40.1 | 300.4% | 83.79 | 91.6% | 109 | 19.93 | 445.4% |
| ETHANOL | MTH | 0 | 0 | - | 0 | - | 0 | 0.1 | -100.0% |
| ETHANOL | Z1B | 0 | 0 | - | 1.37 | -100.0% | 0 | 0 | - |
| ETHANOL SWAP | MT2 | 11 | 2.62 | 325.2% | 25.26 | -55.9% | 16 | 11.36 | 43.2% |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1 | 215 | 176.9 | 21.7% | 181.53 | 18.6% | 199 | 158.02 | 25.8% |
| EURO 3.5% FUEL OIL RDAM B | KR | 2 | 0 | - | 0 | - | 0 | 0 | - |
| EURO GASOIL 10 CAL SWAP | GT | 0 | 0 | - | 0 | - | 0 | 0 | - |
| EURO GASOIL 10PPM VS ICE | ET | 0 | 1.43 | -100.0% | 0 | - | 0 | 11.12 | -100.0% |
| EUROPE 1% FUEL OIL NWE CA | UF | 0 | 0 | - | 0 | - | 0 | 0 | - |
| EUROPE 3.5% FUEL OIL RDAM | UV | 0 | 0 | - | 0.05 | -13.5% | 2 | 5.3 | -59.7% |
| EUROPEAN GASOIL (ICE) | 7F | 1 | 97.05 | -99.3% | 3.16 | -79.8% | 2 | 91.87 | -97.5% |
| EUROPEAN NAPHTHA BALMO | KZ | 1 | 0.95 | 9.8% | 0.16 | 562.1% | 1 | 1.36 | -54.3% |
| EUROPEAN NAPHTHA CRACK SPR | EN | 121 | 128.1 | -5.3% | 316.42 | -61.6% | 160 | 142.33 | 12.3% |
| EUROPE DATED BRENT SWAP | UB | 0 | 0 | - | 0 | - | 0 | 0 | - |
| EUROPE NAPHTHA CALSWAP | UN | 35 | 29.62 | 18.3% | 34.16 | 2.6% | 51 | 38.76 | 30.6% |
| EURO PROPANE CIF ARA SWA | PS | 79 | 70.76 | 11.4% | 95.74 | -17.6% | 94 | 88.04 | 6.2% |
| FREIGHT MARKETS | BL2 | 5 | 0 | - | 0 | - | 11 | 0 | - |
| FREIGHT MARKETS | CS3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| FREIGHT MARKETS | CS4 | 1 | 11.43 | -88.1% | 0 | - | 0 | 3.5 | -91.7% |
| FREIGHT MARKETS | FLJ | 0 | 0 | - | 0 | - | 0 | 0 | - |
| FREIGHT MARKETS | FLP | 0 | 0 | - | 0 | - | 0 | 1.73 | -97.2% |
| FREIGHT MARKETS | FRC | 0 | 0 | - | 0 | - | 0 | 0 | - |
| FREIGHT MARKETS | T2D | 0 | 0 | - | 0 | - | 0 | 6.87 | -100.0% |
| FREIGHT MARKETS | TC6 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| FREIGHT MARKETS | TD3 | 0 | 0 | - | 0 | - | 0 | 0 | - |

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| Energy Futures | | | | | | | | | |
| FUEL OIL CRACK VS ICE | FO | 0 | 3.57 | -100.0% | 0 | - | 0 | 11.22 | -100.0% |
| FUEL OIL NWE CRACK VS ICE | FI | 0 | 0 | - | 1.58 | -100.0% | 0 | 0.64 | -54.5% |
| FUELOIL SWAP:CARGOES VS.B | FS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| GAS EURO-BOB OXY NWE BARGES | 7H | 2 | 8.67 | -76.9% | 25.16 | -92.1% | 9 | 12.05 | -21.9% |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K | 45 | 128.24 | -65.2% | 132.74 | -66.4% | 78 | 173.03 | -54.9% |
| GASOIL 0.1CIF MED VS ICE | Z5 | 0 | 0 | - | 0 | - | 0 | 0.44 | -100.0% |
| GASOIL 0.1 RDAM BRGS VS I | WQ | 0 | 0 | - | 0 | - | 0 | 0.1 | -100.0% |
| GASOIL 0.1 ROTTERDAM BARG | VL | 0 | 0 | - | 0 | - | 0 | 0.49 | -100.0% |
| GASOIL 10PPM VS ICE SWAP | TP | 0 | 0 | - | 0 | - | 0 | 0 | - |
| GASOIL CALENDAR SWAP | GX | 0 | 0 | - | 0 | - | 0 | 8.99 | -96.1% |
| GASOIL CRACK SPREAD CALEN | GZ | 1 | 19.05 | -97.1% | 5.68 | -90.4% | 5 | 102.06 | -95.0% |
| GASOIL MINI CALENDAR SWAP | QA | 6 | 10.1 | -43.7% | 8.53 | -33.4% | 10 | 19.54 | -47.4% |
| GERMAN POWER BASELOAD CAL MONTH F | DEB | 0 | 0 | - | 0 | - | 0 | 0 | - |
| GRP THREE ULSD(PLT)VS HEA | A6 | 207 | 136.67 | 51.7% | 192.42 | 7.7% | 175 | 297.14 | -41.2% |
| GRP THREE UNL GS (PLT) VS | A8 | 81 | 151.9 | -46.4% | 107.89 | -24.6% | 131 | 208.06 | -37.1% |
| GULF COAST 3% FUEL OIL BA | VZ | 0 | 4.29 | -100.0% | 0 | - | 0 | 7.18 | -100.0% |
| GULF COAST JET VS NYM 2 H | ME | 627 | 354.1 | 77.1% | 542 | 15.7% | 457 | 646.83 | -29.4% |
| GULF COAST NO.6 FUEL OIL | MF | 201 | 158.1 | 27.3% | 193.74 | 3.8% | 234 | 169.76 | 37.6% |
| GULF COAST NO.6 FUEL OIL | MG | 710 | 163.33 | 334.4% | 681.47 | 4.1% | 713 | 329.71 | 116.3% |
| GULF COAST ULSD CALENDAR | LY | 0 | 0 | - | 10.63 | -100.0% | 8 | 3.57 | 117.9% |
| GULF COAST ULSD CRACK SPR | GY | 0 | 0 | - | 0 | - | 0 | 0 | - |
| HEATING OIL BALMO CLNDR S | 1G | 2 | 61.71 | -97.1% | 0 | - | 8 | 27.23 | -69.1% |
| HEATING OIL CRCK SPRD BAL | 1H | 0 | 0 | - | 0 | - | 0 | 0 | - |
| HEATING OIL PHY | HOL | 0 | 0 | - | 0 | - | 0 | 0 | - |
| HEATING OIL PHY | MHO | 0 | 0 | - | 0 | - | 0 | 0 | - |
| HENRY HUB SWAP | NN | 1,653 | 966.14 | 71.1% | 1,900 | -13.0% | 1,913 | 1,377.23 | 38.9% |
| ICE BRENT DUBAI SWAP | DB | 3 | 2.29 | 39.2% | 3.16 | 0.8% | 2 | 20.71 | -91.1% |
| INDONESIAN COAL ICI4 | ICI | 0 | 0 | - | 0 | - | 0 | 0 | - |
| JAPAN C&F NAPHTHA CRACK S | JB | 0 | 3.81 | -100.0% | 0 | - | 0 | 0.78 | -100.0% |
| JAPAN C&F NAPHTHA SWAP | JA | 9 | 7.38 | 25.0% | 5.68 | 62.3% | 7 | 6.59 | 0.3% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 0 | 0 | - | 0 | - | 0 | 0.06 | 99.8% |
| JET CIF NWE VS ICE | JC | 0 | 12.9 | -100.0% | 0 | - | 2 | 11.81 | -84.7% |
| JET FUEL UP-DOWN BALMO CL | 1M | 9 | 109.52 | -91.6% | 18.95 | -51.5% | 40 | 129.11 | -69.2% |
| JKM LNG Futures | JKM | 0 | 24.48 | -100.0% | 0 | - | 0 | 20.46 | -100.0% |
| LA CARB DIESEL (OPIS) SWA | KL | 12 | 2.38 | 415.4% | 19.74 | -37.8% | 22 | 21 | 4.9% |

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|-------------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Futures | | | | | | | | | |
| LA CARBOB GASOLINE(OPIS)S | JL | 0 | 0 | - | 0 | - | 2 | 0 | - |
| LA JET (OPIS) SWAP | JS | 24 | 21.43 | 10.3% | 24.47 | -3.4% | 27 | 29.85 | -9.1% |
| LLS (ARGUS) VS WTI SWAP | WJ | 0 | 0 | - | 0 | - | 6 | 0.9 | 534.4% |
| MARS (ARGUS) VS WTI SWAP | YX | 0 | 0 | - | 0 | - | 0 | 14.17 | -100.0% |
| MARS (ARGUS) VS WTI TRD M | YV | 334 | 741.29 | -54.9% | 614.05 | -45.6% | 933 | 749.56 | 24.5% |
| MCCLOSKEY ARA ARGS COAL | MTF | 36 | 278.76 | -87.2% | 34.63 | 3.3% | 50 | 349.05 | -85.8% |
| MCCLOSKEY RCH BAY COAL | MFF | 0 | 9.86 | -100.0% | 0 | - | 0 | 21.84 | -99.5% |
| MINI GAS EUROBOB OXY NWE ARGS BALM | MEB | 0 | 0 | - | 0 | - | 0 | 2.02 | -90.4% |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | MXR | 0 | 0 | - | 11.05 | -100.0% | 2 | 0 | - |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | MXB | 10 | 8.52 | 14.7% | 11.58 | -15.6% | 9 | 21.07 | -59.2% |
| MJC FUT | MJC | 0 | 0 | - | 0 | - | 0 | 0 | - |
| MNC FUT | MNC | 29 | 79.86 | -63.9% | 57.89 | -50.1% | 60 | 82.46 | -26.9% |
| MONT BELVIEU ETHANE 5 DECIMAL | C0 | 1,403 | 1,859.05 | -24.5% | 1,292.95 | 8.5% | 1,587 | 1,640.85 | -3.3% |
| MONT BELVIEU ETHANE OPIS BALMO | 8C | 3 | 58.81 | -94.6% | 38.42 | -91.7% | 39 | 45.42 | -13.9% |
| MONT BELVIEU LDH PROPANE 5 DECIMAL | B0 | 12,089 | 7,540.9 | 60.3% | 10,126.11 | 19.4% | 11,161 | 8,580.9 | 30.1% |
| MONT BELVIEU LDH PROPANE OPIS BALM | 8O | 80 | 61.14 | 30.2% | 91.11 | -12.6% | 122 | 176.49 | -31.0% |
| MONT BELVIEU NATURAL GASOLINE 5 DEC | 7Q | 1,023 | 1,597.38 | -36.0% | 1,402.68 | -27.1% | 1,170 | 1,095.26 | 6.8% |
| MONT BELVIEU NATURAL GASOLINE BALM | R0 | 89 | 79 | 12.7% | 89.89 | -1.0% | 80 | 58.61 | 36.2% |
| MONT BELVIEU NORMAL BUTANE 5 DECIM | D0 | 4,055 | 2,704.57 | 49.9% | 2,468.89 | 64.2% | 3,043 | 2,497.11 | 21.9% |
| MONT BELVIEU NORMAL BUTANE BALMO | 8J | 96 | 45 | 114.2% | 60.37 | 59.7% | 63 | 81.65 | -22.9% |
| NATURAL GAS | NWM | 7 | 0 | - | 0 | - | 1 | 0 | - |
| NATURAL GAS PEN SWP | NP | 1,044 | 2,524.19 | -58.6% | 1,249.42 | -16.5% | 1,112 | 2,420.57 | -54.1% |
| NEPOOL INTR HUB 5MW D AH | H2 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NEPOOL INTR HUB 5MW D AH | U6 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NEW ENGLAND HUB PEAK DAIL | CE | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NEW YORK ETHANOL SWAP | EZ | 28 | 63.33 | -56.6% | 30.63 | -10.2% | 26 | 41.91 | -38.8% |
| NEW YORK HUB ZONE G PEAK | GN | 0 | 0 | - | 0 | - | 0 | 0 | - |
| N ILLINOIS HUB DAILY | UD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NY1% VS GC SPREAD SWAP | VR | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NY HARBOR HEAT OIL SWP | MP | 171 | 40.24 | 324.3% | 238.21 | -28.3% | 127 | 50.97 | 148.3% |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NY HARBOR RESIDUAL FUEL 1 | MM | 5 | 17.86 | -73.3% | 7.89 | -39.5% | 7 | 9.47 | -30.3% |
| NYH NO 2 CRACK SPREAD CAL | HK | 92 | 69.81 | 31.5% | 623.26 | -85.3% | 186 | 120.43 | 54.2% |
| NYISO ZONE G 5MW D AH PK | T3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NY ULSD (ARGUS) VS HEATING OIL | 7Y | 93 | 24.52 | 280.7% | 4.42 | 2011.8% | 36 | 18.99 | 89.8% |

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|------------------------------|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Futures | | | | | | | | |
| PETROCHEMICALS 22 | 7 | 5.1 | 41.8% | 6 | 20.5% | 10 | 6.99 | 37.6% |
| PETROCHEMICALS 32 | 4 | 0.71 | 440.9% | 1.05 | 267.1% | 5 | 2.08 | 124.8% |
| PETROCHEMICALS 3NA | 10 | 0.57 | 1705.8% | 2.21 | 366.8% | 3 | 0.94 | 184.5% |
| PETROCHEMICALS 51 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETROCHEMICALS 81 | 0 | 0 | - | 0 | - | 1 | 3.53 | -83.5% |
| PETROCHEMICALS 8I | 48 | 17.81 | 170.0% | 72.26 | -33.5% | 37 | 51.45 | -28.1% |
| PETROCHEMICALS 91 | 21 | 23.19 | -10.8% | 26.32 | -21.4% | 21 | 18.5 | 15.6% |
| PETROCHEMICALS MAA | 9 | 3.1 | 179.0% | 24.21 | -64.3% | 7 | 4.03 | 78.3% |
| PETROCHEMICALS MAE | 85 | 62.86 | 34.7% | 61.11 | 38.6% | 70 | 56.5 | 23.6% |
| PETROCHEMICALS MAS | 9 | 18.57 | -51.8% | 18.68 | -52.1% | 25 | 19.42 | 26.3% |
| PETROCHEMICALS MBE | 0 | 1.43 | -100.0% | 0 | - | 3 | 3.01 | 6.5% |
| PETROCHEMICALS MNB | 0 | 0 | - | 0 | - | 0 | 0.15 | -100.0% |
| PETROCHEMICALS MPS | 15 | 4.19 | 260.1% | 18.42 | -18.1% | 24 | 9.85 | 142.2% |
| PETROCHEMICALS PMF | 0 | 0 | - | 0 | - | 0 | 0.12 | 66.7% |
| PETRO CRCKS & SPRDS ASIA STS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO CRCKS & SPRDS NA CRB | 542 | 771.76 | -29.8% | 388.16 | 39.6% | 542 | 846.68 | -36.0% |
| PETRO CRCKS & SPRDS NA EXR | 18 | 9.9 | 78.5% | 12.63 | 40.0% | 12 | 19.53 | -38.8% |
| PETRO CRCKS & SPRDS NA GBB | 0 | 9.52 | -100.0% | 0 | - | 5 | 1.94 | 142.5% |
| PETRO CRCKS & SPRDS NA GCI | 0 | 7.14 | -100.0% | 0 | - | 0 | 1.46 | -100.0% |
| PETRO CRCKS & SPRDS NA GCU | 4 | 0 | - | 0 | - | 1 | 2.67 | -65.1% |
| PETRO CRCKS & SPRDS NA GFC | 10 | 0 | - | 0 | - | 8 | 13.11 | -42.6% |
| PETRO CRCKS & SPRDS NA HOB | 0 | 7.62 | -100.0% | 0 | - | 13 | 5.6 | 125.3% |
| PETRO CRCKS & SPRDS NA MFR | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO CRCKS & SPRDS NA RBB | 58 | 54.05 | 7.2% | 58.16 | -0.3% | 38 | 53.26 | -29.4% |
| PETRO CRCKS & SPRDS NA RVG | 102 | 75.81 | 34.0% | 15.79 | 543.4% | 84 | 136.87 | -38.8% |
| PETRO CRCKS & SPRDS NA SF3 | 1 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO CRK&SPRD EURO 1NB | 0 | 1.43 | -100.0% | 3.47 | -100.0% | 3 | 15.87 | -83.8% |
| PETRO CRK&SPRD EURO 43 | 0 | 0 | - | 1.05 | -100.0% | 1 | 1.17 | -21.5% |
| PETRO CRK&SPRD EURO BOB | 0 | 0 | - | 0 | - | 1 | 5.58 | -79.1% |
| PETRO CRK&SPRD EURO EOB | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO CRK&SPRD EURO EPN | 24 | 9.14 | 167.5% | 22.89 | 6.8% | 17 | 17.38 | -0.7% |
| PETRO CRK&SPRD EURO EVC | 0 | 0 | - | 3.16 | -100.0% | 3 | 7.64 | -56.2% |
| PETRO CRK&SPRD EURO GOC | 0 | 0 | - | 0 | - | 0 | 0.09 | -100.0% |
| PETRO CRK&SPRD EURO MUD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO CRK&SPRD EURO NOB | 11 | 7 | 57.8% | 4.58 | 141.2% | 5 | 6.74 | -32.1% |

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|-------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Futures | | | | | | | | | |
| PETROLEUM PRODUCTS | 1NM | 0 | 2.38 | -100.0% | 0 | - | 0 | 0.49 | -100.0% |
| PETROLEUM PRODUCTS | BEF | 0 | 0 | - | 0 | - | 0 | 0.02 | -100.0% |
| PETROLEUM PRODUCTS | CMS | 2 | 2.86 | -20.5% | 10.53 | -78.4% | 10 | 6.5 | 52.2% |
| PETROLEUM PRODUCTS | EWG | 10 | 32.71 | -70.8% | 7.42 | 28.6% | 14 | 25.05 | -45.5% |
| PETROLEUM PRODUCTS | H5F | 1 | 2.38 | -52.3% | 5.26 | -78.4% | 3 | 1.21 | 160.0% |
| PETROLEUM PRODUCTS | JCC | 27 | 22.9 | 19.1% | 14.74 | 85.1% | 76 | 61.48 | 24.3% |
| PETROLEUM PRODUCTS | R5F | 1 | 1.81 | -57.3% | 0.47 | 63.1% | 1 | 2 | -56.8% |
| PETROLEUM PRODUCTS | S53 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETROLEUM PRODUCTS | VU | 0 | 14.29 | -100.0% | 0 | - | 0 | 11.15 | -100.0% |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 0.95 | -100.0% | 0.26 | -100.0% | 0 | 0.19 | -25.0% |
| PETROLEUM PRODUCTS ASIA | MJN | 6 | 68.05 | -91.3% | 18.95 | -68.8% | 23 | 55.93 | -59.7% |
| PETRO OUTRIGHT EURO | 0B | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT EURO | 0D | 1 | 0.43 | 154.5% | 1.05 | 3.6% | 2 | 1.3 | 20.1% |
| PETRO OUTRIGHT EURO | 0F | 0 | 0 | - | 0 | - | 0 | 0.09 | -100.0% |
| PETRO OUTRIGHT EURO | 5L | 0 | 0 | - | 0 | - | 1 | 0 | - |
| PETRO OUTRIGHT EURO | 7I | 0 | 0 | - | 0 | - | 1 | 2.77 | -73.7% |
| PETRO OUTRIGHT EURO | 7R | 0 | 0.24 | -100.0% | 0 | - | 0 | 0.25 | 15.4% |
| PETRO OUTRIGHT EURO | CBB | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT EURO | CGB | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT EURO | CPB | 3 | 6.43 | -46.3% | 21.32 | -83.8% | 14 | 10.38 | 33.7% |
| PETRO OUTRIGHT EURO | EWN | 15 | 10.9 | 38.0% | 14.37 | 4.7% | 17 | 6.39 | 171.6% |
| PETRO OUTRIGHT EURO | M1B | 50 | 44.14 | 12.1% | 31.32 | 58.1% | 48 | 55.77 | -14.4% |
| PETRO OUTRIGHT EURO | MBN | 43 | 25.62 | 68.2% | 52.37 | -17.7% | 26 | 33.74 | -22.4% |
| PETRO OUTRIGHT EURO | MEF | 0 | 0 | - | 0 | - | 0 | 0.48 | -95.9% |
| PETRO OUTRIGHT EURO | MQA | 9 | 0 | - | 10.68 | -15.8% | 8 | 1.34 | 497.8% |
| PETRO OUTRIGHT EURO | R53 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT EURO | R5M | 40 | 64.24 | -37.9% | 41.21 | -3.2% | 62 | 95.43 | -34.9% |
| PETRO OUTRIGHT EURO | R5O | 21 | 21.29 | -3.3% | 27.11 | -24.0% | 28 | 62.13 | -55.4% |
| PETRO OUTRIGHT EURO | RBM | 1 | 0.29 | 202.3% | 0.26 | 228.1% | 1 | 0.55 | 78.9% |
| PETRO OUTRIGHT EURO | S5B | 0 | 0 | - | 0 | - | 0 | 0.05 | -100.0% |
| PETRO OUTRIGHT EURO | S5F | 13 | 4.81 | 169.4% | 26.16 | -50.5% | 18 | 6.38 | 179.9% |
| PETRO OUTRIGHT EURO | S5M | 77 | 73.43 | 5.4% | 62.21 | 24.4% | 86 | 118.36 | -27.0% |
| PETRO OUTRIGHT EURO | S5O | 19 | 133.19 | -85.6% | 21.79 | -12.2% | 37 | 168.33 | -77.9% |
| PETRO OUTRIGHT EURO | SMU | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT EURO | SR5 | 0 | 0 | - | 0 | - | 2 | 0 | - |

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|-------------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Futures | | | | | | | | | |
| PETRO OUTRIGHT EURO | ULB | 0 | 0 | - | 2.63 | -100.0% | 1 | 0 | - |
| PETRO OUTRIGHT EURO | V0 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT NA | A8B | 6 | 23.1 | -74.4% | 13.68 | -56.8% | 5 | 10.53 | -54.8% |
| PETRO OUTRIGHT NA | AB6 | 38 | 20.71 | 81.0% | 27.37 | 37.0% | 16 | 17.14 | -6.5% |
| PETRO OUTRIGHT NA | BCR | 35 | 83.33 | -58.5% | 32.89 | 5.0% | 45 | 144.85 | -69.3% |
| PETRO OUTRIGHT NA | JE | 0 | 0 | - | 0 | - | 0 | 0.58 | -100.0% |
| PETRO OUTRIGHT NA | JET | 144 | 5.95 | 2324.5% | 86.84 | 66.2% | 67 | 28.5 | 135.1% |
| PETRO OUTRIGHT NA | JTB | 15 | 7.38 | 100.1% | 0 | - | 5 | 15.64 | -65.9% |
| PETRO OUTRIGHT NA | MBL | 1 | 0 | - | 6.84 | -82.1% | 2 | 5.87 | -74.0% |
| PETRO OUTRIGHT NA | MEN | 7 | 0.95 | 606.4% | 1.53 | 340.8% | 3 | 3.94 | -25.6% |
| PETRO OUTRIGHT NA | MEO | 4 | 17.71 | -79.5% | 6.95 | -47.7% | 7 | 12.12 | -40.9% |
| PETRO OUTRIGHT NA | MMF | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM AD HUB 5MW REAL TIME | V3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM AD HUB 5MW REAL TIME | Z9 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM DAILY | JD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM NI HUB 5MW REAL TIME | B3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM WESTH RT OFF-PEAK | N9 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM WESTH RT PEAK | L1 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PLASTICS | PGP | 69 | 27.81 | 146.3% | 30.11 | 127.5% | 39 | 48.73 | -20.4% |
| PREMIUM UNLD 10P FOB MED | 3G | 0 | 0 | - | 0 | - | 0 | 0.15 | 0.0% |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S | 30 | 74.81 | -60.5% | 59.84 | -50.6% | 57 | 81.68 | -29.7% |
| PROPANE NON-LDH MT. BEL (OPIS) SWP | 1R | 1,419 | 727.76 | 95.0% | 1,239.68 | 14.5% | 1,037 | 643.49 | 61.1% |
| RBOB CALENDAR SWAP | RL | 382 | 318.81 | 19.9% | 328.32 | 16.5% | 375 | 320.93 | 16.8% |
| RBOB CRACK SPREAD | RM | 329 | 42.71 | 669.4% | 175.32 | 87.5% | 128 | 117.06 | 9.4% |
| RBOB CRACK SPREAD BALMO S | 1E | 0 | 0 | - | 5.26 | -100.0% | 1 | 0 | - |
| RBOB GASOLINE BALMO CLNDR | 1D | 94 | 190.57 | -50.9% | 37.74 | 147.9% | 55 | 93.15 | -40.7% |
| RBOB PHY | MRB | 0 | 0 | - | 0.11 | 72.6% | 0 | 0 | - |
| RBOB PHY | RBL | 0 | 0 | - | 0 | - | 0 | 0 | - |
| RBOB VS HEATING OIL SWAP | RH | 0 | 0 | - | 0 | - | 0 | 3.64 | -92.0% |
| SINGAPORE 180CST BALMO | BS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SINGAPORE 380CST BALMO | BT | 0 | 0 | - | 0 | - | 0 | 0.01 | -100.0% |
| SINGAPORE 380CST FUEL OIL | SE | 13 | 1.76 | 645.6% | 8.58 | 53.1% | 8 | 11.96 | -36.7% |
| SINGAPORE FUEL 180CST CAL | UA | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SINGAPORE FUEL OIL 180 CS | GMS | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SINGAPORE FUEL OIL SPREAD | SD | 0 | 0 | - | 0 | - | 0 | 0 | - |

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|-----------|-----------------|-----------------|-------|-----------------|-------|-------------------|-------------------|-------|
|-----------|-----------------|-----------------|-------|-----------------|-------|-------------------|-------------------|-------|

Energy Futures

| | | | | | | | | | |
|-----------------------------------|-----|-------|----------|---------|----------|---------|-------|----------|---------|
| SINGAPORE GASOIL | MAF | 0 | 20.33 | -98.9% | 0 | - | 2 | 26.11 | -91.6% |
| SINGAPORE GASOIL | MTB | 0 | 1.67 | -100.0% | 0 | - | 0 | 1.81 | -100.0% |
| SINGAPORE GASOIL | MTS | 9 | 15.24 | -44.2% | 3.42 | 148.5% | 22 | 17.17 | 30.7% |
| SINGAPORE GASOIL | SBM | 0 | 3.57 | -100.0% | 0 | - | 0 | 3.22 | -100.0% |
| SINGAPORE GASOIL CALENDAR | MSG | 4 | 3.1 | 20.4% | 1.21 | 207.9% | 2 | 10.76 | -80.0% |
| SINGAPORE GASOIL SWAP | SG | 37 | 12.19 | 202.4% | 52.63 | -30.0% | 41 | 27.93 | 46.0% |
| SINGAPORE GASOIL VS ICE | GA | 0 | 0 | - | 0 | - | 0 | 38.21 | -99.5% |
| SINGAPORE JET KERO GASOIL | RK | 0 | 7.71 | -100.0% | 0 | - | 0 | 35.47 | -100.0% |
| SINGAPORE JET KEROSENE SW | KS | 0 | 0 | - | 0 | - | 0 | 3.93 | -100.0% |
| SINGAPORE MOGAS 92 UNLEADED BALMO | 1P | 0 | 0 | - | 0 | - | 1 | 2.04 | -52.4% |
| SINGAPORE MOGAS 92 UNLEADED SWP | 1N | 34 | 8.43 | 304.5% | 44.74 | -23.8% | 18 | 4.63 | 293.1% |
| TC2 ROTTERDAM TO USAC 37K | TM | 0 | 1.71 | -100.0% | 0 | - | 2 | 2.56 | -34.8% |
| TC5 RAS TANURA TO YOKOHAM | TH | 0 | 0 | - | 0 | - | 0 | 0.73 | -100.0% |
| TD3 MEG TO JAPAN 250K MT | TL | 0 | 0 | - | 0 | - | 0 | 60.05 | -100.0% |
| ULSD UP-DOWN BALMO SWP | 1L | 384 | 470.33 | -18.3% | 315.89 | 21.6% | 350 | 395.49 | -11.4% |
| UP DOWN GC ULSD VS NMX HO | LT | 1,502 | 1,169.05 | 28.5% | 1,981.68 | -24.2% | 1,420 | 1,711.18 | -17.0% |
| WTI-BRENT CALENDAR SWAP | BK | 1,453 | 1,837.52 | -20.9% | 2,515.37 | -42.2% | 2,364 | 2,920.5 | -19.1% |
| WTI CALENDAR | CS | 2,972 | 2,346.95 | 26.6% | 3,225.47 | -7.8% | 3,016 | 3,454.44 | -12.7% |
| WTI MIDLAND CRUDE OIL | WTL | 0 | 0 | - | 25.26 | -100.0% | 9 | 0 | - |
| WTS (ARGUS) VS WTI SWAP | FF | 46 | 77.14 | -40.7% | 337.58 | -86.4% | 104 | 159.27 | -34.5% |
| WTS (ARGUS) VS WTI TRD MT | FH | 14 | 35.24 | -61.3% | 1.26 | 979.5% | 12 | 51.31 | -76.4% |

Energy Options

| | | | | | | | | | |
|-------------------------|------|---------|-----------|---------|------------|---------|---------|----------|---------|
| BRENT CALENDAR SWAP | BA | 25 | 23.14 | 8.0% | 0.63 | 3858.2% | 9 | 29.96 | -68.3% |
| BRENT CRUDE OIL 1 M CSO | 9C | 0 | 83.33 | -100.0% | 0 | - | 0 | 866.5 | -100.0% |
| BRENT OIL LAST DAY | BE | 91 | 553.33 | -83.6% | 356.95 | -74.5% | 269 | 529.65 | -49.2% |
| BRENT OIL LAST DAY | BZO | 548 | 825.24 | -33.6% | 507.95 | 7.9% | 568 | 1,085.84 | -47.6% |
| COAL API2 INDEX | F2C | 1 | 3.14 | -78.3% | 5.26 | -87.0% | 2 | 3.79 | -53.8% |
| COAL API2 INDEX | F2Q | 0 | 0 | - | 0 | - | 0 | 0.97 | -100.0% |
| CRUDE OIL 1MO | WA | 1,274 | 2,354.52 | -45.9% | 4,213.16 | -69.8% | 2,108 | 4,131.22 | -49.0% |
| CRUDE OIL APO | AO | 1,170 | 629 | 86.1% | 2,494.16 | -53.1% | 1,322 | 1,080.01 | 22.4% |
| CRUDE OIL OUTRIGHTS | ECCL | 161 | 0 | - | 619.26 | -74.0% | 363 | 0 | - |
| CRUDE OIL PHY | LC | 519 | 1,663.52 | -68.8% | 2,360.53 | -78.0% | 1,601 | 2,275.81 | -29.6% |
| CRUDE OIL PHY | LO | 125,662 | 90,466.14 | 38.9% | 112,328.79 | 11.9% | 113,709 | 128,211 | -11.3% |

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| Commodity | | ADV MAY 2023 | ADV MAY 2022 | % CHG | ADV APR 2023 | % CHG | ADV Y.T.D 2023 | ADV Y.T.D 2022 | % CHG |
|--------------------------------------|------|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Options | | | | | | | | | |
| CRUDE OIL PHY | LO1 | 3,260 | 1,214.19 | 168.5% | 2,134.79 | 52.7% | 2,305 | 1,590.73 | 44.9% |
| CRUDE OIL PHY | LO2 | 2,631 | 1,124.67 | 134.0% | 2,332.47 | 12.8% | 2,163 | 1,043.61 | 107.3% |
| CRUDE OIL PHY | LO3 | 1,154 | 1,105.05 | 4.4% | 1,982.42 | -41.8% | 1,500 | 941.38 | 59.3% |
| CRUDE OIL PHY | LO4 | 1,684 | 1,027 | 63.9% | 2,014.74 | -16.4% | 2,115 | 1,585.25 | 33.4% |
| CRUDE OIL PHY | LO5 | 0 | 0 | - | 0 | - | 591 | 173.56 | 240.5% |
| CRUDE OIL PHY | MCO | 684 | 0 | - | 668.58 | 2.3% | 807 | 0 | - |
| CRUDE OIL PHY | MW1 | 117 | 0 | - | 59.37 | 96.8% | 77 | 0 | - |
| CRUDE OIL PHY | MW2 | 97 | 0 | - | 46.05 | 111.5% | 80 | 0 | - |
| CRUDE OIL PHY | MW3 | 49 | 0 | - | 59.47 | -16.8% | 74 | 0 | - |
| CRUDE OIL PHY | MW4 | 75 | 0 | - | 68.89 | 8.7% | 128 | 0 | - |
| CRUDE OIL PHY | MW5 | 0 | 0 | - | 0 | - | 17 | 0 | - |
| ELEC FINSETTLED | PJN | 0 | 0 | - | 0 | - | 0 | 0 | - |
| ETHANOL SWAP | CVR | 163 | 104.24 | 56.1% | 116.32 | 39.9% | 113 | 171.03 | -33.9% |
| FREIGHT MARKETS | FLO | 0 | 0 | - | 0 | - | 0 | 0.29 | -100.0% |
| HEATING OIL CRK SPD AVG PRICE OPTION | 3W | 0 | 23.81 | -100.0% | 0 | - | 0 | 7.28 | -100.0% |
| HEATING OIL PHY | LB | 2 | 0 | - | 1.47 | 66.6% | 1 | 3.71 | -72.3% |
| HEATING OIL PHY | OH | 256 | 400.24 | -36.2% | 526.74 | -51.5% | 613 | 627.11 | -2.3% |
| HENRY HUB FINANCIAL LAST | E7 | 432 | 150.48 | 187.2% | 424.16 | 1.9% | 549 | 281.82 | 94.9% |
| HENRY HUB FINANCIAL LAST | ECNG | 22 | 0 | - | 205.74 | -89.5% | 149 | 0 | - |
| HO 1 MONTH CLNDR OPTIONS | FA | 48 | 116.67 | -59.1% | 355.26 | -86.6% | 116 | 32.28 | 259.4% |
| LLS CRUDE OIL | HTO | 0 | 0 | - | 0 | - | 0 | 11.65 | -100.0% |
| LLS CRUDE OIL | WTO | 0 | 42.86 | -100.0% | 63.16 | -100.0% | 29 | 8.74 | 233.3% |
| MCCLOSKEY ARA ARGS COAL | MTO | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NATURAL GAS | LN1 | 5 | 6.19 | -17.8% | 0 | - | 1 | 3.4 | -68.0% |
| NATURAL GAS | LN2 | 0 | 0.1 | -100.0% | 0 | - | 1 | 5.86 | -83.4% |
| NATURAL GAS | LN3 | 0 | 0.19 | -76.1% | 0 | - | 0 | 10.02 | -99.9% |
| NATURAL GAS | LN4 | 0 | 0.05 | -100.0% | 0 | - | 0 | 14.72 | -100.0% |
| NATURAL GAS | LN5 | 0 | 0 | - | 0 | - | 0 | 0.02 | -100.0% |
| NATURAL GAS 1 M CSO FIN | G4 | 2,511 | 2,690.48 | -6.7% | 3,447.37 | -27.2% | 3,555 | 5,473.22 | -35.0% |
| NATURAL GAS 2 M CSO FIN | G2 | 11 | 169.05 | -93.3% | 0 | - | 2 | 121.84 | -98.0% |
| NATURAL GAS 3 M CSO FIN | G3 | 5,556 | 3,219.05 | 72.6% | 7,681.58 | -27.7% | 4,051 | 1,783.01 | 127.2% |
| NATURAL GAS 5 M CSO FIN | G5 | 0 | 0 | - | 39.47 | -100.0% | 84 | 449.03 | -81.3% |
| NATURAL GAS 6 M CSO FIN | G6 | 0 | 309.52 | -100.0% | 0 | - | 633 | 717.48 | -11.7% |
| NATURAL GAS OPT | JFO | 0 | 0 | - | 0 | - | 0 | 2.91 | -100.0% |
| NATURAL GAS OPT | JKO | 0 | 110.71 | -100.0% | 0 | - | 0 | 50.97 | -100.0% |

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| Commodity | | ADV MAY 2023 | ADV MAY 2022 | % CHG | ADV APR 2023 | % CHG | ADV Y.T.D 2023 | ADV Y.T.D 2022 | % CHG |
|------------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Energy Options | | | | | | | | | |
| NATURAL GAS OPT | TFO | 0 | 0 | - | 0 | - | 0 | 6.8 | -100.0% |
| NATURAL GAS OPTION ON CALENDAR STR | 6J | 0 | 0 | - | 0 | - | 0 | 5.83 | -100.0% |
| NATURAL GAS PHY | KD | 32 | 117.86 | -73.0% | 26.32 | 20.9% | 19 | 42.96 | -54.8% |
| NATURAL GAS PHY | LN | 123,298 | 92,348.38 | 33.5% | 141,480.79 | -12.9% | 123,723 | 104,783.66 | 18.1% |
| NATURAL GAS PHY | ON | 4,013 | 3,700.86 | 8.4% | 4,903.32 | -18.2% | 3,724 | 4,639.97 | -19.7% |
| NATURAL GAS PHY | ON3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| NY HARBOR HEAT OIL SWP | AT | 73 | 106.76 | -31.2% | 281.11 | -73.9% | 149 | 101.6 | 46.6% |
| PETROCHEMICALS | 4H | 3 | 3.86 | -15.2% | 0 | - | 4 | 8.57 | -55.8% |
| PETROCHEMICALS | 4J | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PETRO OUTRIGHT NA | DAP | 1 | 0 | - | 3.16 | -56.8% | 1 | 3.64 | -76.0% |
| PJM WES HUB PEAK CAL MTH | 6OA | 0 | 0 | - | 0 | - | 0 | 0 | - |
| RBOB 1MO CAL SPD OPTIONS | ZA | 0 | 0 | - | 0 | - | 0 | 0 | - |
| RBOB CALENDAR SWAP | RA | 0 | 76.9 | -100.0% | 0 | - | 0 | 17.5 | -100.0% |
| RBOB PHY | OB | 155 | 269.76 | -42.7% | 211.63 | -27.0% | 165 | 165.85 | -0.7% |
| RBOB PHY | RF | 1 | 20.95 | -94.8% | 1.11 | -1.3% | 0 | 10.39 | -95.8% |
| SHORT TERM | U11 | 0 | 14.29 | -100.0% | 0 | - | 0 | 2.91 | -100.0% |
| SHORT TERM | U12 | 0 | 26.19 | -100.0% | 0 | - | 0 | 5.34 | -100.0% |
| SHORT TERM | U13 | 0 | 0 | - | 13.16 | -100.0% | 7 | 0.97 | 600.0% |
| SHORT TERM | U14 | 0 | 0 | - | 5.26 | -100.0% | 1 | 4.37 | -77.8% |
| SHORT TERM | U15 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM | U22 | 0 | 0 | - | 0 | - | 0 | 1.94 | -100.0% |
| SHORT TERM | U23 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM | U24 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM | U25 | 0 | 0 | - | 0 | - | 0 | 1.94 | -100.0% |
| SHORT TERM | U26 | 0 | 9.52 | -100.0% | 0 | - | 0 | 1.94 | -100.0% |
| SHORT TERM NATURAL GAS | U01 | 0 | 2.38 | -100.0% | 0 | - | 1 | 2.43 | -40.0% |
| SHORT TERM NATURAL GAS | U02 | 7 | 0 | - | 0 | - | 1 | 0 | - |
| SHORT TERM NATURAL GAS | U03 | 0 | 0 | - | 0 | - | 40 | 0 | - |
| SHORT TERM NATURAL GAS | U04 | 9 | 14.29 | -36.4% | 5.26 | 72.7% | 3 | 3.88 | -25.0% |
| SHORT TERM NATURAL GAS | U05 | 18 | 23.81 | -23.6% | 31.58 | -42.4% | 10 | 4.85 | 100.0% |
| SHORT TERM NATURAL GAS | U06 | 0 | 21.43 | -100.0% | 0 | - | 1 | 5.34 | -72.7% |
| SHORT TERM NATURAL GAS | U07 | 0 | 0 | - | 0 | - | 0 | 5.34 | -100.0% |
| SHORT TERM NATURAL GAS | U08 | 0 | 0 | - | 0 | - | 0 | 1.46 | -100.0% |
| SHORT TERM NATURAL GAS | U09 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM NATURAL GAS | U10 | 0 | 0 | - | 0 | - | 4 | 1.94 | 100.0% |

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| Commodity | ADV MAY 2023 | ADV MAY 2022 | % CHG | ADV APR 2023 | % CHG | ADV Y.T.D 2023 | ADV Y.T.D 2022 | % CHG |
|-----------------------------|------------------|---------------------|--------------|---------------------|--------------|---------------------|---------------------|--------------|
| Energy Options | | | | | | | | |
| SHORT TERM NATURAL GAS U16 | 0 | 0 | - | 0 | - | 1 | 0 | - |
| SHORT TERM NATURAL GAS U17 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM NATURAL GAS U18 | 0 | 0 | - | 0 | - | 0 | 2.91 | -100.0% |
| SHORT TERM NATURAL GAS U19 | 0 | 26.19 | -100.0% | 0 | - | 3 | 5.34 | -45.5% |
| SHORT TERM NATURAL GAS U20 | 0 | 11.9 | -100.0% | 0 | - | 2 | 2.43 | 0.0% |
| SHORT TERM NATURAL GAS U21 | 0 | 0 | - | 0 | - | 0 | 4.85 | -100.0% |
| SHORT TERM NATURAL GAS U28 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM NATURAL GAS U29 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| SHORT TERM NATURAL GAS U30 | 0 | 0 | - | 0 | - | 1 | 0 | - |
| SHORT TERM NATURAL GAS U31 | 9 | 4.76 | 90.9% | 0 | - | 17 | 1.94 | 750.0% |
| WTI-BRENT BULLET SWAP BV | 934 | 195.29 | 378.3% | 1,372.37 | -31.9% | 824 | 1,244.43 | -33.8% |
| WTI CRUDE OIL 1 M CSO FI 7A | 4,605 | 7,145.24 | -35.6% | 7,979.47 | -42.3% | 3,740 | 3,160.19 | 18.4% |
| TOTAL FUTURES GROUP | | | | | | | | |
| Energy Futures | 1,733,469 | 1,585,773.19 | 9.3% | 1,790,778.37 | -3.2% | 1,796,906 | 1,996,083.22 | -10.0% |
| Metals Futures | 565,393 | 437,666.81 | 29.2% | 534,963.05 | 5.7% | 557,183 | 483,448.72 | 15.3% |
| TOTAL FUTURES | 2,298,862 | 2,023,440 | 13.6% | 2,325,741.42 | -1.2% | 2,354,088.95 | 2,479,531.94 | -5.1% |
| TOTAL OPTIONS GROUP | | | | | | | | |
| Energy Options | 281,367 | 212,556.52 | 32.4% | 301,429.26 | -6.7% | 272,150 | 267,579.2 | 1.7% |
| Metals Options | 85,213 | 61,053 | 39.6% | 80,959.21 | 5.3% | 86,425 | 66,194.92 | 30.6% |
| TOTAL OPTIONS | 366,581 | 273,609.52 | 34.0% | 382,388.47 | -4.1% | 358,574.98 | 333,774.13 | 7.4% |
| TOTAL COMBINED | | | | | | | | |
| Metals | 650,606 | 498,719.81 | 30.5% | 615,922.26 | 5.6% | 643,608 | 549,643.64 | 17.1% |
| Energy | 2,014,837 | 1,798,329.71 | 12.0% | 2,092,207.63 | -3.7% | 2,069,056 | 2,263,662.43 | -8.6% |
| GRAND TOTAL | 2,665,443 | 2,297,049.52 | 16.0% | 2,708,129.9 | -1.6% | 2,712,663.93 | 2,813,306.07 | -3.6% |