

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 1 of 17

| Commodity | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
|-------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| Metals Futures | | | | | | | | | |
| COMEX GOLD | GC | 291,933 | 308,854 | -5.5% | 196,143.52 | 48.8% | 240,832 | 320,745.09 | -24.9% |
| NYMEX HOT ROLLED STEEL | HR | 846 | 959.7 | -11.8% | 1,105.29 | -23.4% | 987 | 880.97 | 12.1% |
| NYMEX PLATINUM | PL | 17,352 | 13,879.8 | 25.0% | 14,262.9 | 21.7% | 17,415 | 17,798.49 | -2.2% |
| PALLADIUM | PA | 4,038 | 2,969.45 | 36.0% | 2,046.29 | 97.3% | 2,466 | 2,839.12 | -13.1% |
| URANIUM | UX | 0 | 0 | - | 2.52 | -100.0% | 5 | 8.03 | -35.9% |
| COMEX SILVER | SI | 89,563 | 106,984.4 | -16.3% | 56,397.43 | 58.8% | 81,136 | 105,821.43 | -23.3% |
| COMEX E-Mini GOLD | QO | 1,283 | 1,317.25 | -2.6% | 896.48 | 43.1% | 1,102 | 1,569.1 | -29.8% |
| COMEX E-Mini SILVER | QI | 251 | 264.65 | -5.0% | 179.81 | 39.8% | 280 | 432.56 | -35.2% |
| COMEX COPPER | HG | 94,183 | 110,723.5 | -14.9% | 85,052.52 | 10.7% | 101,836 | 98,554.39 | 3.3% |
| COMEX MINY COPPER | QC | 422 | 107.1 | 294.1% | 422.76 | -0.2% | 243 | 51.55 | 371.0% |
| ALUMINUM | A38 | 0 | 0 | - | 0 | - | 1 | 0 | - |
| ALUMINUM | AEP | 187 | 86.7 | 115.5% | 81.62 | 128.9% | 134 | 159.37 | -15.8% |
| ALUMINUM | ALA | 3 | 10 | -71.4% | 4.29 | -33.3% | 16 | 7.83 | 105.7% |
| ALUMINUM | ALI | 663 | 123.25 | 437.9% | 709.71 | -6.6% | 565 | 177.88 | 217.8% |
| ALUMINUM | AUP | 472 | 270.6 | 74.5% | 433.62 | 8.9% | 319 | 450.55 | -29.1% |
| ALUMINUM | CUP | 0 | 0 | - | 0 | - | 0 | 0.22 | -100.0% |
| ALUMINUM | EDP | 296 | 141 | 110.0% | 218.67 | 35.4% | 172 | 173.16 | -0.7% |
| ALUMINUM | MJP | 95 | 32 | 196.4% | 51.43 | 84.4% | 22 | 48.27 | -53.5% |
| COBALT METAL FUTURES | COB | 13 | 0 | - | 8.57 | 51.7% | 14 | 0 | - |
| COPPER | HGS | 64 | 64.6 | -1.4% | 10.14 | 527.7% | 105 | 142.81 | -26.8% |
| FERROUS PRODUCTS | BUS | 59 | 192.65 | -69.3% | 60.48 | -2.1% | 70 | 101.37 | -31.1% |
| GOLD | 4GC | 0 | 5.05 | -100.0% | 0 | - | 1 | 3.18 | -84.1% |
| GOLD | SGC | 27 | 46.65 | -42.2% | 72.19 | -62.7% | 76 | 78.23 | -2.9% |
| GOLD | SGU | 701 | 167.05 | 319.5% | 542.38 | 29.2% | 316 | 253.12 | 25.0% |
| HOT ROLLED COIL STEEL FUTURES | EHR | 83 | 80 | 3.7% | 37.38 | 121.9% | 55 | 24.94 | 121.3% |
| IRON ORE 62 CHINA TSI FUTURES | TIO | 0 | 0 | - | 0 | - | 0 | 62.76 | -100.0% |
| IRON ORE CHINA | TIO | 78 | 70.9 | 9.5% | 28.95 | 168.1% | 48 | 29.59 | 61.9% |
| METALS | HDG | 0 | 0 | - | 0 | - | 1 | 0.13 | 378.6% |
| METALS | LTH | 0 | 0 | - | 0 | - | 0 | 0 | - |
| MICRO GOLD | MGC | 60,561 | 79,434.35 | -23.8% | 50,222.95 | 20.6% | 57,368 | 87,375.06 | -34.3% |
| SILVER | SIL | 6,252 | 11,930.9 | -47.6% | 4,931.19 | 26.8% | 9,136 | 9,295.79 | -1.7% |
| Metals Options | | | | | | | | | |
| ALUMINUM | ALO | 0 | 0 | - | 0 | - | 10 | 0.65 | 1406.4% |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 2 of 17

| Commodity | | November 2021 | | | November 2020 | | November 2021 | | |
|-----------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Metals Options | | | | | | | | | |
| COMEX COPPER | HX | 2,187 | 1,311.55 | 66.7% | 3,089.14 | -29.2% | 3,104 | 1,753.27 | 77.0% |
| COMEX GOLD | OG | 40,505 | 49,877 | -18.8% | 35,166.86 | 15.2% | 34,153 | 54,637.14 | -37.5% |
| COMEX SILVER | SO | 5,637 | 7,633.35 | -26.2% | 4,630.43 | 21.7% | 7,297 | 9,076.69 | -19.6% |
| COPPER | H1E | 2 | 0 | - | 0.05 | 3701.5% | 0 | 4.69 | -92.1% |
| COPPER | H2E | 3 | 0.2 | 1209.6% | 0 | - | 0 | 3 | -85.8% |
| COPPER | H3E | 2 | 0 | - | 0.43 | 288.8% | 0 | 3.21 | -90.8% |
| COPPER | H4E | 1 | 0 | - | 0.1 | 450.2% | 1 | 1.6 | -56.6% |
| COPPER | H5E | 0 | 0 | - | 0.24 | -100.0% | 0 | 3 | -99.0% |
| GOLD | OG1 | 3,094 | 1,978.1 | 56.4% | 991.52 | 212.0% | 2,112 | 1,685.93 | 25.2% |
| GOLD | OG2 | 3,435 | 2,454.55 | 39.9% | 1,463.05 | 134.8% | 2,118 | 1,852.23 | 14.4% |
| GOLD | OG3 | 2,618 | 1,241.25 | 110.9% | 1,689.33 | 54.9% | 2,047 | 1,539 | 33.0% |
| GOLD | OG4 | 2,607 | 1,084.15 | 140.4% | 1,582.48 | 64.7% | 1,422 | 1,332.67 | 6.7% |
| GOLD | OG5 | 0 | 0 | - | 1,612.57 | -100.0% | 537 | 540.1 | -0.5% |
| HOT ROLLED COIL STEEL CALL OPTION | HRO | 0 | 0 | - | 0 | - | 0 | 0.32 | -100.0% |
| HOT ROLLED COIL STEEL PUT OPTION | HRO | 0 | 0 | - | 0 | - | 0 | 0 | - |
| IRON ORE 62 CHINA TSI CALL OPTION | ICT | 0 | 0 | - | 0 | - | 0 | 16.19 | -100.0% |
| IRON ORE 62 CHINA TSI PUT OPTION | ICT | 0 | 0 | - | 0 | - | 0 | 27.48 | -100.0% |
| IRON ORE CHINA | ICT | 0 | 0 | - | 7.14 | -100.0% | 27 | 1.65 | 1538.2% |
| NYMEX HOT ROLLED STEEL | HRO | 40 | 7.5 | 427.0% | 17.38 | 127.4% | 17 | 4.22 | 291.4% |
| NYMEX PLATINUM | PO | 136 | 16.95 | 702.1% | 161.14 | -15.6% | 145 | 115.93 | 24.8% |
| PALLADIUM | PAO | 3 | 11.7 | -72.3% | 8.19 | -60.5% | 29 | 29.79 | -3.2% |
| SILVER | SO1 | 266 | 102.65 | 159.1% | 107.24 | 148.0% | 160 | 116.98 | 36.4% |
| SILVER | SO2 | 322 | 90.1 | 257.0% | 133.19 | 141.5% | 175 | 109.18 | 60.2% |
| SILVER | SO3 | 166 | 52.95 | 213.9% | 194.62 | -14.6% | 141 | 93.5 | 51.2% |
| SILVER | SO4 | 148 | 19.9 | 644.0% | 162.33 | -8.8% | 98 | 68.86 | 42.8% |
| SILVER | SO5 | 0 | 0 | - | 142.33 | -100.0% | 38 | 32.66 | 17.6% |
| Energy Futures | | | | | | | | | |
| CRUDE OIL PHY | CL | 1,094,404 | 884,013.4 | 23.8% | 1,167,812.43 | -6.3% | 1,004,281 | 1,120,113.43 | -10.3% |
| CRUDE OIL | WS | 0 | 500 | -100.0% | 0 | - | 16 | 136.03 | -88.1% |
| MINY WTI CRUDE OIL | QM | 29,461 | 15,014.4 | 96.2% | 20,557.52 | 43.3% | 20,789 | 28,378.9 | -26.7% |
| BRENT OIL LAST DAY | BZ | 106,054 | 91,058.3 | 16.5% | 100,751.76 | 5.3% | 97,710 | 105,942.45 | -7.8% |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 3 of 17

| Commodity | November 2021 | | | November 2020 | | October 2021 | | Year-to-Date | | |
|------------------------------------|---------------|--------------|------------|---------------|------------|----------------|----------------|--------------|---------|--|
| | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | | |
| Energy Futures | | | | | | | | | | |
| HEATING OIL PHY | HO | 181,774 | 171,019.8 | 6.3% | 185,065.33 | -1.8% | 156,116 | 177,607.16 | -12.1% | |
| HTG OIL | BH | 0 | 0 | - | 0.57 | -100.0% | 1 | 0.47 | 15.3% | |
| MINY HTG OIL | QH | 0 | 0.15 | 185.7% | 0.19 | 125.0% | 0 | 0.24 | 27.8% | |
| RBOB PHY | RB | 196,953 | 169,299.55 | 16.3% | 190,291.48 | 3.5% | 193,587 | 186,380.55 | 3.9% | |
| MINY RBOB GAS | QU | 0 | 0.4 | -4.8% | 0.33 | 14.3% | 0 | 0.34 | 21.0% | |
| NATURAL GAS | HP | 6,762 | 6,581.9 | 2.7% | 12,633.86 | -46.5% | 7,705 | 7,454.06 | 3.4% | |
| LTD NAT GAS | HH | 16,047 | 14,808.15 | 8.4% | 19,251.9 | -16.6% | 16,115 | 12,874.33 | 25.2% | |
| MINY NATURAL GAS | QG | 15,530 | 7,581.05 | 104.9% | 25,209.24 | -38.4% | 9,178 | 6,123.27 | 49.9% | |
| PJM MONTHLY | JM | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| NATURAL GAS PHY | NG | 359,779 | 424,233.3 | -15.2% | 429,581.19 | -16.2% | 390,951 | 482,011.51 | -18.9% | |
| RBOB GAS | RT | 0 | 0 | - | 1.14 | -100.0% | 0 | 0.36 | 0.4% | |
| 3.5% FUEL OIL CID MED SWA | 7D | 0 | 0 | - | 0 | - | 0 | 0.09 | -100.0% | |
| AEP-DAYTON HUB DAILY | VD | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| ARGUS LLS VS. WTI (ARG) T | E5 | 270 | 689.5 | -60.9% | 255.71 | 5.4% | 404 | 306.47 | 31.9% | |
| ARGUS PROPAN FAR EST INDE | 7E | 272 | 246.8 | 10.0% | 393.86 | -31.0% | 293 | 248.31 | 18.2% | |
| ARGUS PROPAN(SAUDI ARAMCO | 9N | 91 | 111.3 | -18.7% | 108.14 | -16.3% | 88 | 109.19 | -19.8% | |
| AUSTRIALIAN COKE COAL | ALW | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| BRENT BALMO SWAP | J9 | 0 | 5 | -100.0% | 0 | - | 6 | 6.52 | -12.4% | |
| BRENT CALENDAR SWAP | CY | 643 | 108.05 | 494.7% | 293.86 | 118.7% | 490 | 330.29 | 48.3% | |
| BRENT FINANCIAL FUTURES | BB | 0 | 0 | - | 0 | - | 17 | 9.52 | 82.6% | |
| BRENT FINANCIAL FUTURES | MBC | 0 | 0 | - | 0 | - | 0 | 0.8 | -100.0% | |
| BRENT FINANCIAL FUTURES | MDB | 0 | 0 | - | 0 | - | 0 | 1.13 | -73.7% | |
| BRENT OIL LAST DAY | BZL | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| BRENT OIL LAST DAY | BZS | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CAR VINTAGE | GEO | 209 | 0 | - | 93.14 | 124.4% | 60 | 0 | - | |
| CAR VINTAGE | NGO | 429 | 0 | - | 198.52 | 116.3% | 118 | 0 | - | |
| CHICAGO ETHANOL SWAP | CU | 3,704 | 3,251.7 | 13.9% | 3,958.1 | -6.4% | 3,533 | 3,531 | 0.0% | |
| CHICAGO ULSD PL VS HO SPR | 5C | 1 | 5 | -76.2% | 6.43 | -81.5% | 16 | 30.94 | -47.7% | |
| CHICAGO UNL GAS PL VS RBO | 3C | 4 | 41.25 | -91.3% | 0 | - | 2 | 9.16 | -76.3% | |
| CIG BASIS | CI | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CIN HUB 5MW D AH PK | H5 | 0 | 0 | - | 0 | - | 0 | 5.83 | -100.0% | |
| CIN HUB 5MW REAL TIME O P | H4 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CIN HUB 5MW REAL TIME PK | H3 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| COLUMB GULF MAINLINE NG B | 5Z | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CONWAY NATURAL GASOLINE (OPIS) SWA | 8L | 2 | 1 | 138.1% | 5.38 | -55.8% | 14 | 11.69 | 23.1% | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 4 of 17

| Commodity | November 2021 | | | November 2020 | | October 2021 | | Year-to-Date | | |
|------------------------------------|---------------|--------|----------|---------------|-----------|--------------|--------|--------------|------------|-------|
| | ADV | ADV | % CHG | ADV | % CHG | ADV | % CHG | Y.T.D 2021 | Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | |
| CONWAY NORMAL BUTANE (OPIS) SWAP | 8M | 10 | 17.3 | -40.8% | 22.62 | -54.7% | 14 | 19.04 | -27.0% | |
| CONWAY PROPANE 5 DECIMALS SWAP | 8K | 709 | 399.05 | 77.7% | 768.62 | -7.7% | 711 | 752.33 | -5.5% | |
| CRUDE OIL | LPS | 0 | 0 | - | 0 | - | 0 | 18.59 | -100.0% | |
| CRUDE OIL LAST DAY | 26 | 22 | 12.05 | 80.6% | 12.67 | 71.8% | 14 | 4.05 | 235.9% | |
| CRUDE OIL OUTRIGHTS | 42 | 15 | 18.1 | -18.7% | 6.14 | 139.5% | 15 | 55.74 | -73.9% | |
| CRUDE OIL OUTRIGHTS | CC5 | 0 | 23.4 | -100.0% | 22.86 | -100.0% | 43 | 25 | 72.3% | |
| CRUDE OIL OUTRIGHTS | CSW | 0 | 18.5 | -100.0% | 1.43 | -100.0% | 61 | 18.5 | 229.4% | |
| CRUDE OIL OUTRIGHTS | DAB | 0 | 0 | - | 0 | - | 0 | 1.47 | -100.0% | |
| CRUDE OIL OUTRIGHTS | DBL | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CRUDE OIL OUTRIGHTS | GSW | 0 | 0 | - | 0 | - | 11 | 11.77 | -9.0% | |
| CRUDE OIL OUTRIGHTS | HTT | 4,310 | 2,149.35 | 100.5% | 3,709.9 | 16.2% | 3,031 | 3,481.51 | -13.0% | |
| CRUDE OIL OUTRIGHTS | LSW | 4 | 9 | -52.4% | 27.86 | -84.6% | 45 | 41.07 | 9.8% | |
| CRUDE OIL OUTRIGHTS | WCW | 347 | 157.75 | 120.2% | 144.29 | 140.8% | 181 | 118.05 | 53.3% | |
| CRUDE OIL PHY | CLL | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CRUDE OIL PHY | HCL | 0 | 102 | -100.0% | 0 | - | 88 | 175.4 | -50.1% | |
| CRUDE OIL PHY | MCL | 95,983 | 0 | - | 61,727.86 | 55.5% | 28,931 | 0 | - | |
| CRUDE OIL SPRDS | 38 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| CRUDE OIL SPRDS | ANT | 74 | 0 | - | 31.43 | 137.0% | 25 | 5.76 | 331.3% | |
| CRUDE OIL SPRDS | HIL | 11 | 751.75 | -98.5% | 11.9 | -4.0% | 24 | 205.92 | -88.2% | |
| CRUDE OIL SPRDS | WTT | 1,973 | 276.65 | 613.3% | 2,067.76 | -4.6% | 1,281 | 1,005.9 | 27.4% | |
| 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 | PAP | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | PEO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | PNO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | PNP | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | PWO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | PWP | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | WOR | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | ZAO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | ZGO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DAILY PJM | ZJO | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| DATED BRENT (PLATTS) DAILY SWAP | 7G | 0 | 0 | - | 0 | - | 0 | 2.77 | -100.0% | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 5 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | | Y.T.D 2020 | | |
|-------------------------------------|-----|---------------|--------------|---------|--------------|---------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | | | |
| DATED TO FRONTLINE BRENT | FY | 0 | 0 | - | 42.86 | -100.0% | 12 | 1.06 | 1017.5% | | | |
| DIESEL 10P BRG FOB RDM VS | 7X | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| DOMINION TRANSMISSION INC | PG | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| DUBAI CRUDE OIL BALMO | BI | 0 | 0 | - | 0 | - | 0 | 1.3 | -100.0% | | | |
| DUBAI CRUDE OIL CALENDAR | DC | 0 | 0 | - | 0 | - | 0 | 46.1 | -100.0% | | | |
| DUTCH TTF NATURAL GAS CAL MONTH FUT | TTF | 82 | 1,381.55 | -94.1% | 455.05 | -82.1% | 1,884 | 1,594.89 | 18.1% | | | |
| EAST/WEST FUEL OIL SPREAD | EW | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| EIA FLAT TAX ONHWAY DIESE | A5 | 1 | 9 | -85.2% | 1.71 | -22.2% | 19 | 40.8 | -53.5% | | | |
| ELEC FINSETTLED | 47 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| ELECTRICITY OFF PEAK | 46 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| ELECTRICITY OFF PEAK | 4P | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| ETHANOL | MTH | 0 | 0.5 | -100.0% | 0 | - | 0 | 0.3 | -85.6% | | | |
| ETHANOL SWAP | MT2 | 15 | 36.5 | -58.9% | 10.48 | 43.2% | 9 | 9.39 | -1.4% | | | |
| ETHANOL T2 FOB ROTT INCL DUTY SWAP | Z1 | 187 | 251.9 | -25.7% | 234.86 | -20.3% | 178 | 200.58 | -11.4% | | | |
| EURO 3.5% FUEL OIL RDAM B | KR | 2 | 0 | - | 1.43 | 16.7% | 0 | 0.28 | 25.2% | | | |
| EURO 3.5% FUEL OIL SPREAD | FK | 0 | 0 | - | 0 | - | 0 | 0.1 | -100.0% | | | |
| EURO GASOIL 10PPM VS ICE | ET | 2 | 0 | - | 56.52 | -96.2% | 12 | 0.32 | 3665.4% | | | |
| EUROPE 1% FUEL OIL NWE CA | UF | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| EUROPE 1% FUEL OIL RDAM C | UH | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| EUROPE 3.5% FUEL OIL MED | UI | 0 | 0 | - | 0 | - | 0 | 0.16 | -64.7% | | | |
| EUROPE 3.5% FUEL OIL RDAM | UV | 5 | 0 | - | 2.19 | 115.2% | 2 | 10.27 | -77.1% | | | |
| EUROPEAN GASOIL (ICE) | 7F | 18 | 1.6 | 1004.2% | 124.1 | -85.8% | 36 | 1.47 | 2374.8% | | | |
| EUROPEAN NAPHTHA BALMO | KZ | 4 | 0.15 | 2280.9% | 0 | - | 1 | 0.37 | 37.8% | | | |
| EUROPEAN NAPHTHA CRACK SPR | EN | 119 | 35.6 | 234.7% | 72.81 | 63.6% | 82 | 60.29 | 36.5% | | | |
| EUROPE DATED BRENT SWAP | UB | 0 | 0 | - | 0 | - | 3 | 0.3 | 918.8% | | | |
| EUROPE JET KERO NWE CALSW | UJ | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| EUROPE NAPHTHA CALSWAP | UN | 32 | 20.1 | 61.3% | 36.71 | -11.7% | 29 | 23.37 | 25.8% | | | |
| EURO PROPANE CIF ARA SWA | PS | 91 | 57 | 59.3% | 94.05 | -3.4% | 75 | 76.48 | -1.5% | | | |
| FREIGHT MARKETS | ACB | 0 | 0 | - | 0 | - | 0 | 3.18 | -100.0% | | | |
| FREIGHT MARKETS | BF1 | 0 | 0 | - | 0 | - | 0 | 0.06 | -100.0% | | | |
| FREIGHT MARKETS | BF2 | 0 | 7.5 | -96.8% | 0 | - | 1 | 6.09 | -91.1% | | | |
| FREIGHT MARKETS | BF3 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| FREIGHT MARKETS | BL2 | 2 | 0 | - | 5 | -52.4% | 1 | 0 | - | | | |
| FREIGHT MARKETS | FLJ | 0 | 0 | - | 0.48 | -50.0% | 0 | 0 | - | | | |
| FREIGHT MARKETS | FLP | 4 | 0 | - | 0.95 | 340.0% | 3 | 9.95 | -69.3% | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 6 of 17

| Commodity | | November 2021 | | | November 2020 | | November 2021 | | | November 2020 | | |
|-----------------------------------|-----|---------------|--------------|---------|---------------|---------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | | | |
| FREIGHT MARKETS | FRC | 0 | 0 | - | 0 | - | 0 | 0.17 | 75.7% | | | |
| FREIGHT MARKETS | T2D | 0 | 7.25 | -100.0% | 14.71 | -100.0% | 3 | 8.5 | -59.9% | | | |
| FREIGHT MARKETS | T7C | 0 | 1 | -100.0% | 0 | - | 0 | 1.17 | -100.0% | | | |
| FREIGHT MARKETS | T8C | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| FREIGHT MARKETS | TC6 | 11 | 0 | - | 0 | - | 1 | 0 | - | | | |
| FREIGHT MARKETS | USC | 0 | 0 | - | 0 | - | 0 | 0.39 | -100.0% | | | |
| FREIGHT MARKETS | USE | 0 | 0.75 | -100.0% | 0 | - | 0 | 3.46 | -88.7% | | | |
| FUEL OIL CRACK VS ICE | FO | 0 | 3.2 | -100.0% | 2.86 | -100.0% | 10 | 11.45 | -16.3% | | | |
| FUEL OIL NWE CRACK VS ICE | FI | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| FUEL OIL (PLATS) CAR CM | 1W | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| FUELOIL SWAP:CARGOES VS.B | FS | 0 | 0 | - | 0 | - | 0 | 0.22 | -100.0% | | | |
| GAS EURO-BOB OXY NWE BARGES | 7H | 17 | 15 | 13.7% | 37.62 | -54.7% | 31 | 62.71 | -49.8% | | | |
| GAS EURO-BOB OXY NWE BARGES CRK | 7K | 356 | 89.95 | 295.9% | 297.71 | 19.6% | 260 | 255.56 | 1.7% | | | |
| GASOIL 0.1CIF MED VS ICE | Z5 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| GASOIL 0.1 RDAM BRGS VS I | WQ | 0 | 0.85 | -100.0% | 0 | - | 0 | 0.07 | 148.1% | | | |
| GASOIL 0.1 ROTTERDAM BARG | VL | 1 | 0.25 | 185.7% | 0.71 | 0.0% | 1 | 0.45 | 70.3% | | | |
| GASOIL 10PPM VS ICE SWAP | TP | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| GASOIL CALENDAR SWAP | GX | 8 | 1.15 | 579.1% | 14.48 | -46.1% | 7 | 1.35 | 410.6% | | | |
| GASOIL CRACK SPREAD CALEN | GZ | 223 | 0 | - | 72.29 | 208.5% | 89 | 53.8 | 65.6% | | | |
| GASOIL MINI CALENDAR SWAP | QA | 29 | 9.25 | 212.5% | 14.05 | 105.8% | 18 | 25.17 | -29.9% | | | |
| GERMAN POWER BASELOAD CAL MONTH F | DEB | 0 | 5.7 | -95.0% | 2.19 | -87.0% | 1 | 43.58 | -97.6% | | | |
| GROUP THREE UNLEAD GAS (P | A9 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| GRP THREE ULSD(PLT)VS HEA | A6 | 165 | 103.75 | 58.8% | 300.48 | -45.2% | 206 | 162.18 | 27.1% | | | |
| GRP THREE UNL GS (PLT) VS | A8 | 130 | 70.25 | 85.7% | 107.14 | 21.8% | 126 | 119.41 | 5.7% | | | |
| GULF COAST 3% FUEL OIL BA | VZ | 1 | 0 | - | 0 | - | 3 | 12.73 | -74.7% | | | |
| GULF COAST JET FUEL CLNDR | GE | 0 | 0 | - | 0 | - | 0 | 13.65 | -100.0% | | | |
| GULF COAST JET VS NYM 2 H | ME | 454 | 566.65 | -19.9% | 807.05 | -43.7% | 966 | 817.33 | 18.2% | | | |
| GULF COAST NO.6 FUEL OIL | MF | 26 | 257.4 | -89.9% | 14.52 | 78.7% | 82 | 509.29 | -84.0% | | | |
| GULF COAST NO.6 FUEL OIL | MG | 193 | 0 | - | 447.62 | -56.9% | 125 | 2.09 | 5898.5% | | | |
| GULF COAST ULSD CALENDAR | LY | 3 | 3.8 | -14.8% | 0 | - | 18 | 42.45 | -56.9% | | | |
| GULF COAST ULSD CRACK SPR | GY | 0 | 0 | - | 0 | - | 0 | 6.1 | -100.0% | | | |
| HEATING OIL BALMO CLNDR S | 1G | 11 | 5 | 123.8% | 18.76 | -40.4% | 14 | 6.57 | 107.9% | | | |
| HEATING OIL CRCK SPRD BAL | 1H | 0 | 0 | - | 0 | - | 11 | 0 | - | | | |
| HEATING OIL PHY | HOL | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| HENRY HUB BASIS SWAP | HB | 0 | 0 | - | 0 | - | 0 | 28.92 | -100.0% | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 7 of 17

| Commodity | | November 2021 | | | November 2021 | | November 2021 | | |
|-------------------------------------|-----|-----------------|-----------------|---------|-----------------|---------|-------------------|-------------------|---------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | |
| HENRY HUB FINANCIAL LAST | NBP | 0 | 0 | - | 0 | - | 0 | 0.32 | -100.0% |
| HENRY HUB INDEX SWAP FUTU | IN | 0 | 0 | - | 0 | - | 0 | 36.33 | -100.0% |
| HENRY HUB SWAP | NN | 704 | 795.8 | -11.6% | 938.9 | -25.1% | 1,489 | 3,121.57 | -52.3% |
| HOUSTON SHIP CHANNEL BASI | NH | 0 | 0 | - | 0 | - | 0 | 0 | - |
| ICE BRENT DUBAI SWAP | DB | 54 | 41.5 | 30.8% | 7.38 | 635.5% | 29 | 145.74 | -79.9% |
| ICE GASOIL BALMO SWAP | U9 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| INDIANA MISO | FTD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| INDIANA MISO | PDD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| INDIANA MISO | PTD | 0 | 0 | - | 0 | - | 0 | 0 | - |
| INDONESIAN COAL ICI4 | ICI | 0 | 1 | -100.0% | 0 | - | 5 | 8.4 | -41.8% |
| JAPAN C&F NAPHTHA CRACK S | JB | 0 | 0 | - | 0 | - | 0 | 0.65 | -96.0% |
| JAPAN C&F NAPHTHA SWAP | JA | 2 | 0.45 | 386.8% | 1.43 | 53.3% | 3 | 7.27 | -60.0% |
| JAPAN NAPHTHA BALMO SWAP | E6 | 0 | 0 | - | 0 | - | 0 | 0.14 | -45.2% |
| JET CIF NWE VS ICE | JC | 18 | 0 | - | 2.14 | 757.8% | 8 | 0 | - |
| JET FUEL UP-DOWN BALMO CL | 1M | 61 | 47 | 29.2% | 59.76 | 1.6% | 74 | 79.69 | -6.6% |
| JKM LNG Futures | JKM | 40 | 1.75 | 2158.5% | 9.14 | 332.3% | 28 | 83.39 | -66.5% |
| LA CARB DIESEL (OPIS) SWA | KL | 2 | 0 | - | 6.19 | -73.1% | 9 | 10.9 | -21.0% |
| LA CARBOB GASOLINE(OPIS)S | JL | 0 | 2.5 | -100.0% | 0 | - | 1 | 2.92 | -66.5% |
| LA JET (OPIS) SWAP | JS | 34 | 22.5 | 49.2% | 48.81 | -31.2% | 25 | 26.47 | -6.0% |
| LLS (ARGUS) CALENDAR SWAP | XA | 0 | 0 | - | 0 | - | 0 | 0 | - |
| LLS (ARGUS) VS WTI SWAP | WJ | 16 | 27 | -40.7% | 28.57 | -44.0% | 12 | 34.18 | -64.6% |
| LOS ANGELES CARB GASOLINE | MH | 0 | 0 | - | 0 | - | 0 | 0.06 | -100.0% |
| MARS (ARGUS) VS WTI SWAP | YX | 0 | 0 | - | 14.29 | -100.0% | 8 | 11.26 | -32.4% |
| MARS (ARGUS) VS WTI TRD M | YV | 879 | 591.5 | 48.6% | 899.67 | -2.3% | 884 | 729.85 | 21.1% |
| MARS BLEND CRUDE OIL | MB | 0 | 0 | - | 0 | - | 0 | 0.43 | -100.0% |
| MCCLOSKEY ARA ARGS COAL | MTF | 425 | 1,248.7 | -66.0% | 890.43 | -52.3% | 638 | 1,002.87 | -36.4% |
| MCCLOSKEY RCH BAY COAL | MFF | 73 | 42.5 | 72.8% | 51.05 | 43.8% | 46 | 45.35 | 1.5% |
| MGN1 SWAP FUT | MGN | 0 | 0 | - | 0 | - | 0 | 1.17 | -100.0% |
| MICHIGAN BASIS | NF | 0 | 0 | - | 0 | - | 0 | 0 | - |
| MINI GAS EUROBOB OXY NWE ARGS BALM | MEB | 3 | 1.95 | 66.1% | 0 | - | 1 | 3.37 | -75.1% |
| MINI RBOB V. EBOBARG NWE BRGS BALMO | MXR | 0 | 0 | - | 0 | - | 2 | 7.32 | -76.8% |
| MINI RBOB V. EBOB(ARGUS) NWE BRGS | MXB | 15 | 15.25 | -0.4% | 20.43 | -25.6% | 27 | 32.26 | -17.3% |
| MJC FUT | MJC | 0 | 0 | - | 0 | - | 0 | 0 | - |
| MNC FUT | MNC | 94 | 13.85 | 575.3% | 52.9 | 76.8% | 45 | 48.61 | -7.7% |
| MONT BELVIEU ETHANE 5 DECIMAL | C0 | 1,401 | 977.35 | 43.4% | 1,973.57 | -29.0% | 1,399 | 1,232.1 | 13.5% |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 8 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | | Y.T.D 2020 | | |
|-------------------------------------|-----|---------------|--------------|---------|--------------|--------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | | | |
| MONT BELVIEU ETHANE OPIS BALMO | 8C | 69 | 3.35 | 1961.1% | 217.67 | -68.3% | 43 | 15.28 | 180.2% | | | |
| MONT BELVIEU LDH PROPANE 5 DECIMAL | B0 | 9,316 | 6,480.8 | 43.7% | 10,721.95 | -13.1% | 9,048 | 8,006.43 | 13.0% | | | |
| MONT BELVIEU LDH PROPANE OPIS BALM | 8O | 93 | 41.35 | 125.4% | 146.48 | -36.4% | 147 | 103.94 | 41.5% | | | |
| MONT BELVIEU NATURAL GASOLINE 5 DEC | 7Q | 835 | 817.85 | 2.0% | 630.9 | 32.3% | 710 | 1,359.62 | -47.8% | | | |
| MONT BELVIEU NATURAL GASOLINE BALM | R0 | 10 | 31.75 | -69.0% | 33.81 | -70.8% | 29 | 42.84 | -32.3% | | | |
| MONT BELVIEU NORMAL BUTANE 5 DECIM | D0 | 2,629 | 3,412.25 | -23.0% | 3,043.43 | -13.6% | 2,645 | 3,225.9 | -18.0% | | | |
| MONT BELVIEU NORMAL BUTANE BALMO | 8J | 56 | 64.75 | -13.0% | 69.95 | -19.5% | 61 | 64.61 | -5.8% | | | |
| NATURAL GAS PEN SWP | NP | 1,985 | 2,530.85 | -21.6% | 2,732.19 | -27.3% | 2,541 | 3,011.67 | -15.6% | | | |
| NEPOOL INTR HUB 5MW D AH | H2 | 0 | 0 | - | 0 | - | 0 | 60.57 | -100.0% | | | |
| NEPOOL INTR HUB 5MW D AH | U6 | 0 | 0 | - | 0 | - | 0 | 3.32 | -100.0% | | | |
| NEPOOL NE MASS 5MW D AH O | P8 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NEPOOL NE MASS 5MW D AH P | P7 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NEW ENGLAND HUB PEAK DAIL | CE | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NEW YORK ETHANOL SWAP | EZ | 12 | 1.25 | 833.3% | 20 | -41.7% | 8 | 29.63 | -73.4% | | | |
| NEW YORK HUB ZONE G PEAK | GN | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NEW YORK HUB ZONE J PEAK | JN | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NGPL MID-CONTINENT | NL | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NGPL TEX/OK | PD | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| N ILLINOIS HUB DAILY | UD | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NO 2 UP-DOWN SPREAD CALEN | UT | 0 | 0 | - | 0 | - | 0 | 0.97 | -100.0% | | | |
| NORTHWEST ROCKIES BASIS S | NR | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NY1% VS GC SPREAD SWAP | VR | 0 | 2.5 | -100.0% | 0 | - | 0 | 11.33 | -100.0% | | | |
| NY HARBOR 1% FUEL OIL BAL | VK | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NY HARBOR HEAT OIL SWP | MP | 121 | 138.7 | -13.1% | 89.95 | 34.0% | 55 | 150.39 | -63.5% | | | |
| NY HARBOR LOW SULPUR GAS 1000MBBL | NLS | 0 | 0 | - | 0 | - | 7 | 0 | - | | | |
| NY HARBOR RESIDUAL FUEL 1 | MM | 10 | 5.5 | 73.2% | 15.48 | -38.5% | 11 | 32.22 | -67.3% | | | |
| NYH NO 2 CRACK SPREAD CAL | HK | 27 | 78.75 | -66.0% | 106.38 | -74.8% | 74 | 40.48 | 83.1% | | | |
| NYISO CAPACITY | LHV | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO CAPACITY | NRS | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO ZONE A 5MW D AH O P | K4 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO ZONE G 5MW D AH O P | D2 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO ZONE G 5MW D AH PK | T3 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO ZONE J 5MW D AH O P | D4 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYISO ZONE J 5MW D AH PK | D3 | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NYMEX ALUMINUM FUTURES | AN | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 9 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | | Y.T.D 2020 | | |
|--------------------------------|-----|---------------|--------------|---------|--------------|---------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | | | |
| NYMEX ULSD VS NYMEX HO | UY | 0 | 0 | - | 0 | - | 0 | 3.03 | -100.0% | | | |
| NY ULSD (ARGUS) VS HEATING OIL | 7Y | 0 | 14 | -100.0% | 28.57 | -100.0% | 3 | 22.46 | -87.4% | | | |
| PANHANDLE BASIS SWAP FUTU | PH | 0 | 0 | - | 0 | - | 0 | 0.24 | -100.0% | | | |
| PERMIAN BASIS SWAP | PM | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| PETROCHEMICALS | 22 | 14 | 7.25 | 91.8% | 13.62 | 2.1% | 9 | 6 | 44.5% | | | |
| PETROCHEMICALS | 32 | 3 | 1.7 | 104.5% | 6.52 | -46.7% | 3 | 3.31 | -9.3% | | | |
| PETROCHEMICALS | 3NA | 1 | 0 | - | 1 | -38.1% | 1 | 0.15 | 378.5% | | | |
| PETROCHEMICALS | 51 | 0 | 0.15 | -100.0% | 0 | - | 0 | 0.1 | -100.0% | | | |
| PETROCHEMICALS | 81 | 0 | 0 | - | 0 | - | 1 | 0.26 | 146.1% | | | |
| PETROCHEMICALS | 8I | 27 | 9.6 | 184.7% | 64.57 | -57.7% | 54 | 39.11 | 39.1% | | | |
| PETROCHEMICALS | 91 | 24 | 15.7 | 54.7% | 32.9 | -26.2% | 19 | 15.58 | 24.3% | | | |
| PETROCHEMICALS | MAA | 2 | 0 | - | 6.19 | -61.5% | 2 | 5.61 | -63.2% | | | |
| PETROCHEMICALS | MAE | 67 | 25 | 167.6% | 101.67 | -34.2% | 46 | 33.08 | 40.2% | | | |
| PETROCHEMICALS | MAS | 27 | 8 | 231.5% | 60.24 | -56.0% | 18 | 13.75 | 33.2% | | | |
| PETROCHEMICALS | MBE | 3 | 25.5 | -88.8% | 8.1 | -64.7% | 3 | 11.3 | -72.7% | | | |
| PETROCHEMICALS | MNB | 1 | 0.5 | 52.4% | 0 | - | 9 | 7.38 | 21.1% | | | |
| PETROCHEMICALS | MPS | 29 | 6.35 | 354.4% | 15.1 | 91.2% | 19 | 15.87 | 19.0% | | | |
| PETROCHEMICALS | PMF | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| PETRO CRCKS & SPRDS ASIA | STR | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| PETRO CRCKS & SPRDS ASIA | STS | 0 | 0 | - | 0 | - | 0 | 1.62 | -100.0% | | | |
| PETRO CRCKS & SPRDS NA | CRB | 573 | 587.5 | -2.4% | 1,194.62 | -52.0% | 967 | 776.32 | 24.5% | | | |
| PETRO CRCKS & SPRDS NA | EXR | 33 | 24.7 | 33.8% | 29.43 | 12.3% | 30 | 48.27 | -37.1% | | | |
| PETRO CRCKS & SPRDS NA | FOC | 0 | 0 | - | 0 | - | 0 | 0.43 | -100.0% | | | |
| PETRO CRCKS & SPRDS NA | GBB | 0 | 46.25 | -100.0% | 0 | - | 3 | 20.35 | -86.0% | | | |
| PETRO CRCKS & SPRDS NA | GCC | 0 | 0 | - | 0 | - | 0 | 1.75 | -100.0% | | | |
| PETRO CRCKS & SPRDS NA | GCI | 0 | 0 | - | 0 | - | 2 | 25.46 | -93.7% | | | |
| PETRO CRCKS & SPRDS NA | GCM | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| PETRO CRCKS & SPRDS NA | GCU | 0 | 10 | -100.0% | 0 | - | 4 | 67.63 | -94.3% | | | |
| PETRO CRCKS & SPRDS NA | GFC | 1 | 0 | - | 0 | - | 2 | 0 | - | | | |
| PETRO CRCKS & SPRDS NA | HOB | 68 | 10 | 581.0% | 27.38 | 148.7% | 23 | 39.72 | -41.9% | | | |
| PETRO CRCKS & SPRDS NA | MFR | 0 | 0 | - | 0 | - | 1 | 0 | - | | | |
| PETRO CRCKS & SPRDS NA | NYF | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| PETRO CRCKS & SPRDS NA | RBB | 46 | 39.75 | 15.8% | 127.95 | -64.0% | 70 | 144.02 | -51.5% | | | |
| PETRO CRCKS & SPRDS NA | RVG | 11 | 138.75 | -92.3% | 0 | - | 50 | 265.44 | -81.0% | | | |
| PETRO CRCKS & SPRDS NA | SF3 | 0 | 0 | - | 0 | - | 0 | 0.04 | -100.0% | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 10 of 17

| Commodity | November 2021 | | | November 2020 | | October 2021 | | Year-to-Date | | |
|-------------------------|---------------|--------------|-------|---------------|-------|----------------|----------------|--------------|---------|--|
| | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | | |
| Energy Futures | | | | | | | | | | |
| PETRO CRK&SPRD EURO | 1NB | 2 | 0 | - | 0 | - | 2 | 13.36 | -85.9% | |
| PETRO CRK&SPRD EURO | 43 | 0 | 0 | - | 0 | - | 0 | 0.19 | -40.7% | |
| PETRO CRK&SPRD EURO | BOB | 14 | 0 | - | 9.86 | 42.0% | 6 | 1.74 | 267.3% | |
| PETRO CRK&SPRD EURO | EOB | 0 | 0 | - | 0 | - | 0 | 0.13 | -83.8% | |
| PETRO CRK&SPRD EURO | EPN | 42 | 16.1 | 161.8% | 21.71 | 94.1% | 26 | 18.66 | 40.4% | |
| PETRO CRK&SPRD EURO | EVC | 1 | 0 | - | 2.86 | -66.7% | 4 | 0.88 | 323.5% | |
| PETRO CRK&SPRD EURO | FVB | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO CRK&SPRD EURO | GCB | 0 | 0 | - | 0 | - | 0 | 0.19 | -100.0% | |
| PETRO CRK&SPRD EURO | GOC | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO CRK&SPRD EURO | MGB | 0 | 0 | - | 0.48 | -100.0% | 0 | 0 | - | |
| PETRO CRK&SPRD EURO | MUD | 0 | 0 | - | 0 | - | 0 | 0.56 | -100.0% | |
| PETRO CRK&SPRD EURO | NBB | 0 | 0 | - | 0 | - | 0 | 0.02 | 81.0% | |
| PETRO CRK&SPRD EURO | NOB | 3 | 0.3 | 979.4% | 0.52 | 518.2% | 2 | 1.76 | 36.3% | |
| PETROLEUM PRODUCTS | 1NM | 0 | 0 | - | 0 | - | 3 | 4.69 | -33.6% | |
| PETROLEUM PRODUCTS | BEB | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETROLEUM PRODUCTS | BEF | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETROLEUM PRODUCTS | CMS | 0 | 0 | - | 14.29 | -100.0% | 3 | 0 | - | |
| PETROLEUM PRODUCTS | EWG | 17 | 3.75 | 344.4% | 73.24 | -77.2% | 23 | 20.87 | 10.4% | |
| PETROLEUM PRODUCTS | H5F | 0 | 15 | -100.0% | 0 | - | 0 | 14.77 | -98.2% | |
| PETROLEUM PRODUCTS | JCC | 21 | 0 | - | 30.95 | -30.8% | 11 | 10.87 | 4.0% | |
| PETROLEUM PRODUCTS | MME | 0 | 0 | - | 0 | - | 0 | 0.69 | -100.0% | |
| PETROLEUM PRODUCTS | MPE | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETROLEUM PRODUCTS | NCC | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETROLEUM PRODUCTS | R5E | 0 | 0 | - | 0.24 | -100.0% | 0 | 0.01 | 149.4% | |
| PETROLEUM PRODUCTS | R5F | 5 | 0.8 | 483.3% | 4.1 | 14.0% | 2 | 0.64 | 268.9% | |
| PETROLEUM PRODUCTS | S53 | 1 | 0 | - | 0 | - | 0 | 0.18 | -70.6% | |
| PETROLEUM PRODUCTS | UCS | 0 | 0 | - | 0 | - | 0 | 0.28 | -100.0% | |
| PETROLEUM PRODUCTS | UP5 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETROLEUM PRODUCTS | VU | 0 | 0 | - | 1.43 | -100.0% | 1 | 6.25 | -76.3% | |
| PETROLEUM PRODUCTS ASIA | E6M | 0 | 0 | - | 0 | - | 0 | 0.35 | -87.4% | |
| PETROLEUM PRODUCTS ASIA | MJN | 13 | 1 | 1233.3% | 23.38 | -43.0% | 13 | 30.32 | -58.5% | |
| PETRO OUTRIGHT EURO | 0B | 0 | 0 | - | 0 | - | 1 | 0.43 | 124.0% | |
| PETRO OUTRIGHT EURO | 0C | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | 0D | 3 | 1.2 | 154.0% | 2.67 | 14.3% | 4 | 10.99 | -62.8% | |
| PETRO OUTRIGHT EURO | 0E | 0 | 0 | - | 0 | - | 0 | 0 | - | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 11 of 17

| Commodity | November 2021 | | | November 2020 | | October 2021 | | Year-to-Date | | |
|-----------------------|---------------|--------------|-------|---------------|-------|----------------|----------------|--------------|---------|--|
| | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | | |
| Energy Futures | | | | | | | | | | |
| PETRO OUTRIGHT EURO | 0F | 0 | 0 | - | 0 | - | 0 | 2.65 | -98.5% | |
| PETRO OUTRIGHT EURO | 1T | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | 5L | 0 | 0 | - | 0 | - | 0 | 0.28 | -100.0% | |
| PETRO OUTRIGHT EURO | 63 | 0 | 0 | - | 0 | - | 0 | 0.09 | -100.0% | |
| PETRO OUTRIGHT EURO | 7I | 0 | 0 | - | 0 | - | 0 | 0.58 | -62.8% | |
| PETRO OUTRIGHT EURO | 7R | 1 | 0 | - | 0.95 | -15.0% | 0 | 0.55 | -37.5% | |
| PETRO OUTRIGHT EURO | CBB | 0 | 0 | - | 0 | - | 0 | 0.3 | -52.6% | |
| PETRO OUTRIGHT EURO | CGB | 0 | 0 | - | 0 | - | 0 | 0.1 | -100.0% | |
| PETRO OUTRIGHT EURO | CPB | 6 | 0.75 | 725.4% | 2.86 | 116.7% | 16 | 8.1 | 93.9% | |
| PETRO OUTRIGHT EURO | EFF | 0 | 0 | - | 0 | - | 0 | 0.17 | -100.0% | |
| PETRO OUTRIGHT EURO | EFM | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | ENS | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | EWN | 4 | 0 | - | 20.67 | -79.7% | 9 | 0.84 | 979.0% | |
| PETRO OUTRIGHT EURO | FLB | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | GNO | 0 | 0 | - | 0 | - | 0 | 0.04 | -100.0% | |
| PETRO OUTRIGHT EURO | H5G | 0 | 0 | - | 0 | - | 0 | 1.17 | -100.0% | |
| PETRO OUTRIGHT EURO | JFB | 0 | 0 | - | 0 | - | 0 | 0.04 | 11.5% | |
| PETRO OUTRIGHT EURO | M1B | 34 | 71.8 | -53.1% | 40.52 | -16.9% | 58 | 35.5 | 64.1% | |
| PETRO OUTRIGHT EURO | MBB | 0 | 0 | - | 0 | - | 1 | 0.13 | 703.3% | |
| PETRO OUTRIGHT EURO | MBN | 10 | 22.75 | -56.0% | 13.52 | -26.1% | 16 | 15.24 | 7.3% | |
| PETRO OUTRIGHT EURO | MEF | 1 | 5.5 | -84.4% | 2.86 | -70.0% | 10 | 6.6 | 55.2% | |
| PETRO OUTRIGHT EURO | MQA | 0 | 0 | - | 1.67 | -91.4% | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | R53 | 0 | 0 | - | 1.67 | -100.0% | 1 | 0.68 | -18.8% | |
| PETRO OUTRIGHT EURO | R5B | 0 | 0 | - | 0 | - | 0 | 0.04 | 462.4% | |
| PETRO OUTRIGHT EURO | R5M | 103 | 13.45 | 665.8% | 89.52 | 15.1% | 60 | 18.25 | 231.2% | |
| PETRO OUTRIGHT EURO | R5O | 54 | 49.9 | 8.2% | 30.9 | 74.7% | 35 | 41.86 | -15.3% | |
| PETRO OUTRIGHT EURO | RBM | 0 | 0 | - | 0 | - | 0 | 0.26 | -42.1% | |
| PETRO OUTRIGHT EURO | S5B | 0 | 0 | - | 0 | - | 0 | 0.03 | -16.5% | |
| PETRO OUTRIGHT EURO | S5F | 5 | 5.15 | -2.0% | 4.05 | 24.7% | 5 | 4.9 | 5.1% | |
| PETRO OUTRIGHT EURO | S5M | 96 | 76.05 | 26.0% | 95.48 | 0.4% | 84 | 70.82 | 19.3% | |
| PETRO OUTRIGHT EURO | S5O | 143 | 46.55 | 207.3% | 90.62 | 57.9% | 62 | 35.9 | 71.4% | |
| PETRO OUTRIGHT EURO | SMU | 2 | 0 | - | 9.52 | -75.0% | 6 | 0 | - | |
| PETRO OUTRIGHT EURO | T0 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| PETRO OUTRIGHT EURO | T2B | 0 | 0 | - | 0 | - | 0 | 0.09 | -100.0% | |
| PETRO OUTRIGHT EURO | TLB | 2 | 0 | - | 1.19 | 32.0% | 0 | 0 | - | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 12 of 17

| Commodity | November 2021 | | | November 2020 | | | November 2021 | | |
|-------------------------------------|-----------------|-----------------|----------|-----------------|--------|-------------------|-------------------|----------|---------|
| | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | |
| Energy Futures | | | | | | | | | |
| PETRO OUTHRIGHT EURO | ULB | 0 | 20 | -100.0% | 0 | - | 0 | 1.8 | -100.0% |
| PETRO OUTHRIGHT EURO | UNB | 0 | 0 | - | 0 | - | 0 | 1.3 | -100.0% |
| PETRO OUTHRIGHT EURO | V0 | 6 | 0 | - | 6.29 | 0.0% | 3 | 0 | - |
| PETRO OUTHRIGHT NA | A8B | 0 | 0 | - | 10.24 | -100.0% | 5 | 0 | - |
| PETRO OUTHRIGHT NA | AB6 | 8 | 2.5 | 223.8% | 6.9 | 17.2% | 9 | 4.53 | 101.4% |
| PETRO OUTHRIGHT NA | BCR | 105 | 38.65 | 171.1% | 144.86 | -27.7% | 90 | 12.16 | 640.6% |
| PETRO OUTHRIGHT NA | DBB | 0 | 0 | - | 0 | - | 0 | 0.32 | -100.0% |
| PETRO OUTHRIGHT NA | FCB | 0 | 0 | - | 1.52 | -100.0% | 0 | 0 | - |
| PETRO OUTHRIGHT NA | H5B | 0 | 0 | - | 0 | - | 0 | 7.94 | -100.0% |
| PETRO OUTHRIGHT NA | JE | 0 | 5.25 | -100.0% | 0 | - | 1 | 4.16 | -71.2% |
| PETRO OUTHRIGHT NA | JET | 6 | 3.75 | 58.7% | 21.43 | -72.2% | 18 | 30.69 | -41.2% |
| PETRO OUTHRIGHT NA | JTB | 0 | 0 | - | 0 | - | 3 | 9.11 | -68.3% |
| PETRO OUTHRIGHT NA | MBL | 3 | 0 | - | 13.43 | -78.7% | 3 | 0.59 | 435.9% |
| PETRO OUTHRIGHT NA | MEN | 15 | 1.5 | 877.8% | 4.52 | 224.2% | 4 | 2.55 | 59.7% |
| PETRO OUTHRIGHT NA | MEO | 17 | 27.45 | -37.7% | 14 | 22.1% | 21 | 55.58 | -61.5% |
| PETRO OUTHRIGHT NA | MFD | 0 | 0 | - | 0 | - | 0 | 0.16 | -100.0% |
| PETRO OUTHRIGHT NA | MMF | 0 | 0 | - | 0 | - | 0 | 0.3 | -6.7% |
| 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 DAYTON DA OFF-PEAK | R7 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM DAYTON DA PEAK | D7 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM NI HUB 5MW REAL TIME | B3 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM NI HUB 5MW REAL TIME | B6 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM PECO ZONE5MW PEAK CAL MO DAY A | 4N | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM PSEG DA OFF-PEAK | W6 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM PSEG DA PEAK | L6 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM WESTH DA OFF-PEAK | E4 | 0 | 0 | - | 0 | - | 0 | 0 | - |
| PJM WESTHDA PEAK | J4 | 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 | 68.46 | -100.0% |
| PLASTICS | PGP | 96 | 47.4 | 103.5% | 67.67 | 42.6% | 66 | 51.57 | 28.7% |
| PREMIUM UNLD 10P FOB MED | 3G | 0 | 0 | - | 8.57 | -100.0% | 1 | 0.68 | 17.6% |
| PROPANE NON-LDH MB (OPIS) BALMO SWP | 1S | 63 | 42.5 | 49.4% | 43.57 | 45.7% | 65 | 79.34 | -18.4% |
| PROPANE NON-LDH MT. BEL (OPIS) SWP | 1R | 1,056 | 1,087.95 | -2.9% | 597.81 | 76.6% | 790 | 1,157.71 | -31.8% |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 13 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | | Y.T.D 2020 | | |
|-----------------------------------|-----|---------------|--------------|---------|--------------|---------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | | | | |
| RBOB CALENDAR SWAP | RL | 218 | 267.15 | -18.5% | 348.1 | -37.5% | 319 | 263.88 | 21.0% | | | |
| RBOB CRACK SPREAD | RM | 27 | 24.75 | 10.6% | 147.57 | -81.4% | 94 | 51.02 | 84.9% | | | |
| RBOB GASOLINE BALMO CLNDR | 1D | 40 | 12.55 | 216.1% | 33.95 | 16.8% | 38 | 25.33 | 51.6% | | | |
| RBOB PHY | RBL | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| RBOB VS HEATING OIL SWAP | RH | 0 | 0 | - | 0 | - | 5 | 24.52 | -80.4% | | | |
| SAN JUAN BASIS SWAP | NJ | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| SINGAPORE 180CST BALMO | BS | 0 | 0 | - | 0 | - | 0 | 0.18 | -100.0% | | | |
| SINGAPORE 380CST BALMO | BT | 0 | 0 | - | 0.62 | -100.0% | 0 | 0.17 | -40.8% | | | |
| SINGAPORE 380CST FUEL OIL | SE | 9 | 1.6 | 462.5% | 7.95 | 13.2% | 9 | 10.08 | -12.8% | | | |
| SINGAPORE FUEL 180CST CAL | UA | 0 | 0 | - | 0 | - | 0 | 0.93 | -100.0% | | | |
| SINGAPORE FUEL OIL 180 CS | GMS | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| SINGAPORE FUEL OIL SPREAD | SD | 0 | 0 | - | 0 | - | 0 | 0.35 | -100.0% | | | |
| SINGAPORE GASOIL | MAF | 17 | 10.05 | 65.8% | 13.9 | 19.9% | 13 | 9.59 | 40.1% | | | |
| SINGAPORE GASOIL | MTB | 0 | 0 | - | 0.48 | -100.0% | 0 | 0.27 | -15.8% | | | |
| SINGAPORE GASOIL | MTS | 21 | 8.35 | 149.2% | 23.52 | -11.5% | 18 | 15.16 | 17.3% | | | |
| SINGAPORE GASOIL | SBM | 3 | 0.25 | 1042.8% | 0 | - | 1 | 1.95 | -60.4% | | | |
| SINGAPORE GASOIL CALENDAR | MSG | 11 | 12.8 | -12.6% | 14.76 | -24.2% | 36 | 32.36 | 12.2% | | | |
| SINGAPORE GASOIL SWAP | SG | 11 | 88.35 | -87.9% | 27.9 | -61.6% | 58 | 44.64 | 29.6% | | | |
| SINGAPORE GASOIL VS ICE | GA | 51 | 0 | - | 28.57 | 80.0% | 48 | 1.22 | 3856.1% | | | |
| SINGAPORE JET KERO BALMO | BX | 0 | 0 | - | 0 | - | 0 | 1.49 | -100.0% | | | |
| SINGAPORE JET KERO GASOIL | RK | 84 | 0 | - | 0 | - | 16 | 2.49 | 554.7% | | | |
| SINGAPORE JET KEROSENE SW | KS | 62 | 8.25 | 650.4% | 30.48 | 103.1% | 15 | 27.48 | -45.7% | | | |
| SINGAPORE MOGAS 92 UNLEADED BALMO | 1P | 0 | 0 | - | 0 | - | 3 | 0.76 | 250.1% | | | |
| SINGAPORE MOGAS 92 UNLEADED SWP | 1N | 35 | 0 | - | 77.14 | -55.2% | 32 | 105.11 | -69.9% | | | |
| Sumas Basis Swap | NK | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| TC2 ROTTERDAM TO USAC 37K | TM | 0 | 0 | - | 9.29 | -100.0% | 1 | 0.19 | 569.6% | | | |
| TC5 RAS TANURA TO YOKOHAM | TH | 0 | 0 | - | 14.29 | -100.0% | 3 | 0.61 | 344.8% | | | |
| TCO BASIS SWAP | TC | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| TD3 MEG TO JAPAN 250K MT | TL | 40 | 48.5 | -17.0% | 46.1 | -12.7% | 53 | 100.26 | -46.9% | | | |
| TEXAS EASTERN ZONE M-3 BA | NX | 0 | 0 | - | 0 | - | 0 | 4.58 | -100.0% | | | |
| TRANSCO ZONE4 BASIS SWAP | TR | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| UK NBP NAT GAS CAL MTH FUT | UKG | 0 | 90.75 | -100.0% | 0 | - | 11 | 17.99 | -38.7% | | | |
| ULSD UP-DOWN BALMO SWP | 1L | 298 | 306 | -2.7% | 299.52 | -0.6% | 239 | 250.63 | -4.5% | | | |
| UP DOWN GC ULSD VS NMX HO | LT | 1,444 | 2,023.45 | -28.6% | 1,792.48 | -19.5% | 1,644 | 2,182.15 | -24.7% | | | |
| WAHA BASIS | NW | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 14 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | |
|--------------------------------------|-----|---------------|--------------|---------|--------------|----------|----------------|----------------|---------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Futures | | | | | | | | | |
| WTI-BRENT BULLET SWAP | BY | 0 | 0 | - | 0 | - | 0 | 0 | - |
| WTI-BRENT CALENDAR SWAP | BK | 3,831 | 1,544.75 | 148.0% | 3,667.48 | 4.5% | 2,489 | 1,749.82 | 42.3% |
| WTI CALENDAR | CS | 2,591 | 2,847.55 | -9.0% | 2,516.9 | 3.0% | 2,503 | 2,836.15 | -11.7% |
| WTI MIDLAND CRUDE OIL | WTL | 0 | 0 | - | 0 | - | 12 | 1.3 | 788.9% |
| WTS (ARGUS) VS WTI SWAP | FF | 0 | 0 | - | 341.48 | -100.0% | 167 | 238.74 | -30.1% |
| WTS (ARGUS) VS WTI TRD MT | FH | 14 | 3.6 | 296.8% | 0 | - | 28 | 53.63 | -48.3% |
| Energy Options | | | | | | | | | |
| BRENT CALENDAR SWAP | BA | 2 | 0 | - | 8.14 | -73.7% | 14 | 32.6 | -58.6% |
| BRENT CRUDE OIL 1 M CSO | 9C | 0 | 55 | -100.0% | 76.19 | -100.0% | 861 | 158.77 | 442.4% |
| BRENT OIL LAST DAY | BE | 364 | 740.95 | -50.8% | 1,565.33 | -76.7% | 1,009 | 1,639.02 | -38.5% |
| BRENT OIL LAST DAY | BZO | 2,390 | 1,890.6 | 26.4% | 1,051.33 | 127.3% | 1,265 | 2,261.74 | -44.1% |
| BRENT OIL LAST DAY | OS | 0 | 0 | - | 0 | - | 0 | 0.11 | -100.0% |
| COAL API2 INDEX | F2C | 9 | 0 | - | 0.24 | 3699.9% | 7 | 0 | - |
| COAL API2 INDEX | F2Q | 2 | 0 | - | 3.57 | -33.3% | 5 | 0 | - |
| CRUDE OIL | 6Y | 0 | 2.5 | -100.0% | 0 | - | 0 | 0.22 | -100.0% |
| CRUDE OIL 1MO | WA | 2,805 | 9,262.5 | -69.7% | 2,910.95 | -3.6% | 5,391 | 9,117.67 | -40.9% |
| CRUDE OIL APO | AO | 770 | 5,483.5 | -86.0% | 1,231.24 | -37.5% | 1,457 | 2,689.94 | -45.8% |
| CRUDE OIL CALNDR STRIP | 6F | 0 | 6 | -100.0% | 0 | - | 0 | 0.74 | -100.0% |
| CRUDE OIL PHY | CD | 0 | 0 | - | 0 | - | 0 | 8.01 | -100.0% |
| CRUDE OIL PHY | LC | 1,043 | 371.8 | 180.6% | 1,547.14 | -32.6% | 615 | 499.95 | 23.1% |
| CRUDE OIL PHY | LO | 160,313 | 120,183.45 | 33.4% | 139,993.57 | 14.5% | 119,966 | 120,828.84 | -0.7% |
| CRUDE OIL PHY | LO1 | 2,558 | 445.6 | 474.0% | 676.57 | 278.1% | 1,042 | 792.61 | 31.4% |
| CRUDE OIL PHY | LO2 | 1,378 | 466.85 | 195.2% | 1,673.05 | -17.6% | 848 | 489.55 | 73.1% |
| CRUDE OIL PHY | LO3 | 1,368 | 454.65 | 200.9% | 10.33 | 13141.1% | 656 | 511.59 | 28.2% |
| CRUDE OIL PHY | LO4 | 1,921 | 410.85 | 367.7% | 1,397.95 | 37.4% | 1,131 | 802.55 | 40.9% |
| CRUDE OIL PHY | LO5 | 0 | 0 | - | 1,787.62 | -100.0% | 345 | 257.65 | 33.8% |
| ELEC FINSETTLED | PJN | 0 | 0 | - | 0 | - | 0 | 0.19 | -100.0% |
| ETHANOL SWAP | CVR | 294 | 106.75 | 175.4% | 299.1 | -1.7% | 159 | 210.68 | -24.7% |
| ETHANOL SWAP | GVR | 0 | 0 | - | 0 | - | 0 | 2.6 | -100.0% |
| HEATING OIL CRK SPD AVG PRICE OPTION | 3W | 0 | 60 | -100.0% | 0 | - | 9 | 5.19 | 65.7% |
| HEATING OIL PHY | FZ | 0 | 0 | - | 0 | - | 10 | 0 | - |
| HEATING OIL PHY | LB | 0 | 0 | - | 12 | -100.0% | 8 | 15.27 | -45.6% |
| HEATING OIL PHY | OH | 575 | 586.4 | -2.0% | 470.86 | 22.1% | 399 | 636.53 | -37.4% |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 15 of 17

| Commodity | | November 2021 | | | OCT 2021 | | Y.T.D 2021 | | | Y.T.D 2020 | | |
|------------------------------------|-----|---------------|--------------|---------|--------------|---------|----------------|----------------|---------|----------------|----------------|-------|
| | | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG |
| Energy Options | | | | | | | | | | | | |
| HENRY HUB FINANCIAL LAST | E7 | 253 | 212.45 | 19.1% | 127.48 | 98.4% | 383 | 332.73 | 15.1% | | | |
| HO 1 MONTH CLNDR OPTIONS | FA | 0 | 0 | - | 0 | - | 1 | 0.43 | 100.8% | | | |
| LLS CRUDE OIL | WTO | 0 | 0 | - | 0 | - | 0 | 6.06 | -100.0% | | | |
| MCCLOSKEY ARA ARGV COAL | MTO | 0 | 121.25 | -100.0% | 0 | - | 2 | 35.71 | -93.4% | | | |
| MCCLOSKEY RCH BAY COAL | MFO | 0 | 0 | - | 0 | - | 0 | 2.06 | -100.0% | | | |
| NATURAL GAS 1 M CSO FIN | G4 | 3,630 | 2,179.5 | 66.5% | 6,574.24 | -44.8% | 2,813 | 4,716.92 | -40.4% | | | |
| NATURAL GAS 2 M CSO FIN | G2 | 388 | 272.5 | 42.4% | 128.57 | 201.9% | 132 | 85.06 | 54.6% | | | |
| NATURAL GAS 3 M CSO FIN | G3 | 0 | 637.5 | -100.0% | 0 | - | 1,078 | 2,138.64 | -49.6% | | | |
| NATURAL GAS 5 M CSO FIN | G5 | 250 | 0 | - | 0 | - | 81 | 49.57 | 63.6% | | | |
| NATURAL GAS 6 M CSO FIN | G6 | 336 | 155 | 116.6% | 359.52 | -6.6% | 500 | 655.41 | -23.7% | | | |
| NATURAL GAS OPT | JKO | 119 | 0 | - | 114.29 | 4.2% | 94 | 0 | - | | | |
| NATURAL GAS OPT | TFO | 0 | 122.5 | -100.0% | 9.52 | -100.0% | 669 | 939.05 | -28.8% | | | |
| NATURAL GAS OPTION ON CALENDAR STR | 6J | 100 | 313 | -68.1% | 0 | - | 275 | 143.2 | 92.2% | | | |
| NATURAL GAS PHY | KD | 14 | 58.75 | -76.9% | 61.67 | -78.0% | 90 | 174.73 | -48.4% | | | |
| NATURAL GAS PHY | LN | 63,566 | 108,206.5 | -41.3% | 84,014.29 | -24.3% | 97,604 | 113,702.67 | -14.2% | | | |
| NATURAL GAS PHY | ON | 3,817 | 4,927.45 | -22.5% | 3,769.62 | 1.3% | 4,197 | 5,965.16 | -29.6% | | | |
| NATURAL GAS SUMMER STRIP | 4D | 0 | 0 | - | 0 | - | 0 | 1.73 | -100.0% | | | |
| NATURAL GAS WINTER STRIP | 6I | 0 | 0 | - | 0 | - | 0 | 2.6 | -100.0% | | | |
| N ROCKIES PIPE SWAP | ZR | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| NY HARBOR HEAT OIL SWP | AT | 112 | 35.7 | 212.4% | 34.52 | 223.0% | 52 | 77.39 | -32.6% | | | |
| PETROCHEMICALS | 4H | 19 | 0.5 | 3614.3% | 16.33 | 13.7% | 43 | 2.86 | 1406.8% | | | |
| PETROCHEMICALS | 4J | 0 | 0 | - | 0 | - | 6 | 2.73 | 109.6% | | | |
| PETROCHEMICALS | 4K | 0 | 25 | -100.0% | 0 | - | 0 | 4.5 | -100.0% | | | |
| PETROCHEMICALS | CPR | 0 | 0 | - | 0 | - | 1 | 0.55 | 43.5% | | | |
| PETRO OUTRIGHT EURO | BCO | 0 | 0 | - | 0 | - | 0 | 0.03 | -100.0% | | | |
| PETRO OUTRIGHT NA | 1N5 | 0 | 0 | - | 0 | - | 0 | 0.87 | -100.0% | | | |
| PETRO OUTRIGHT NA | DAP | 6 | 1.5 | 281.0% | 7.14 | -20.0% | 6 | 5.69 | 7.7% | | | |
| PJM WES HUB PEAK CAL MTH | 6OA | 0 | 0 | - | 0 | - | 0 | 3.33 | -100.0% | | | |
| PJM WES HUB PEAK LMP 50MW | PMA | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| RBOB CALENDAR SWAP | RA | 0 | 0 | - | 4 | -100.0% | 6 | 9.36 | -40.8% | | | |
| RBOB PHY | OB | 307 | 423.45 | -27.6% | 363.1 | -15.5% | 357 | 395.8 | -9.8% | | | |
| RBOB PHY | RF | 0 | 0 | - | 0 | - | 2 | 4.52 | -53.8% | | | |
| SAN JUAN PIPE SWAP | PJ | 0 | 0 | - | 0 | - | 0 | 0 | - | | | |
| SHORT TERM | U11 | 0 | 0 | - | 0 | - | 0 | 0.65 | -66.5% | | | |
| SHORT TERM | U12 | 2 | 0 | - | 0 | - | 1 | 2.6 | -74.9% | | | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 16 of 17

| Commodity | November 2021 | | | November 2020 | | October 2021 | | Year-to-Date | | |
|--------------------------|---------------|-------|---------|---------------|----------|--------------|-------|--------------|------------|-------|
| | ADV | ADV | % CHG | ADV | % CHG | ADV | % CHG | Y.T.D 2021 | Y.T.D 2020 | % CHG |
| Energy Options | | | | | | | | | | |
| SHORT TERM | U13 | 0 | 0 | - | 0 | - | 1 | 2.6 | -66.5% | |
| SHORT TERM | U14 | 0 | 0 | - | 14.29 | -100.0% | 1 | 0.87 | 50.6% | |
| SHORT TERM | U15 | 0 | 0 | - | 0 | - | 2 | 3.03 | -49.8% | |
| SHORT TERM | U22 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| SHORT TERM | U23 | 0 | 0 | - | 0 | - | 0 | 0.65 | -100.0% | |
| SHORT TERM | U24 | 0 | 0 | - | 0 | - | 0 | 0.22 | 100.8% | |
| SHORT TERM | U25 | 0 | 0 | - | 0 | - | 1 | 0 | - | |
| SHORT TERM | U26 | 0 | 0 | - | 0 | - | 0 | 0 | - | |
| SHORT TERM NATURAL GAS | U01 | 2 | 0 | - | 0 | - | 1 | 2.16 | -44.8% | |
| SHORT TERM NATURAL GAS | U02 | 0 | 0 | - | 0 | - | 3 | 2.38 | 18.7% | |
| SHORT TERM NATURAL GAS | U03 | 0 | 0 | - | 0 | - | 0 | 2.81 | -84.5% | |
| SHORT TERM NATURAL GAS | U04 | 10 | 0 | - | 0 | - | 2 | 5.84 | -59.1% | |
| SHORT TERM NATURAL GAS | U05 | 0 | 0 | - | 0 | - | 1 | 1.52 | -42.6% | |
| SHORT TERM NATURAL GAS | U06 | 0 | 2.5 | -100.0% | 0 | - | 3 | 0.65 | 435.6% | |
| SHORT TERM NATURAL GAS | U07 | 0 | 0 | - | 0 | - | 1 | 2.6 | -45.6% | |
| SHORT TERM NATURAL GAS | U08 | 0 | 0 | - | 0 | - | 0 | 1.73 | -87.4% | |
| SHORT TERM NATURAL GAS | U09 | 0 | 0 | - | 0 | - | 1 | 1.08 | 20.5% | |
| SHORT TERM NATURAL GAS | U10 | 0 | 0 | - | 0 | - | 0 | 1.95 | -77.7% | |
| SHORT TERM NATURAL GAS | U16 | 0 | 10 | -100.0% | 0 | - | 0 | 1.3 | -74.9% | |
| SHORT TERM NATURAL GAS | U17 | 0 | 2.5 | -100.0% | 0 | - | 1 | 1.62 | -59.8% | |
| SHORT TERM NATURAL GAS | U18 | 0 | 2.5 | -100.0% | 0 | - | 0 | 0.87 | -49.8% | |
| SHORT TERM NATURAL GAS | U19 | 0 | 2.5 | -100.0% | 0 | - | 0 | 1.41 | -100.0% | |
| SHORT TERM NATURAL GAS | U20 | 0 | 0 | - | 0 | - | 1 | 1.3 | 0.4% | |
| SHORT TERM NATURAL GAS | U21 | 0 | 0 | - | 0 | - | 1 | 0.87 | 50.6% | |
| SHORT TERM NATURAL GAS | U27 | 0 | 25 | -100.0% | 0 | - | 0 | 4.98 | -95.6% | |
| SHORT TERM NATURAL GAS | U28 | 0 | 0 | - | 0 | - | 0 | 2.6 | -83.3% | |
| SHORT TERM NATURAL GAS | U29 | 0 | 0 | - | 0 | - | 0 | 4.11 | -94.7% | |
| SHORT TERM NATURAL GAS | U30 | 0 | 0 | - | 0 | - | 1 | 4.65 | -76.6% | |
| SHORT TERM NATURAL GAS | U31 | 0 | 0 | - | 0 | - | 0 | 0.65 | -100.0% | |
| WTI-BRENT BULLET SWAP | BV | 2,592 | 1,165 | 122.5% | 1,309.52 | 97.9% | 1,461 | 2,199.92 | -33.6% | |
| WTI CRUDE OIL 1 M CSO FI | 7A | 1,909 | 5,518.5 | -65.4% | 2,909.76 | -34.4% | 3,247 | 4,328.44 | -25.0% | |

NYMEX/COMEX Exchange ADV Report - Monthly

November 2021

Page 17 of 17

| Commodity | November 2021 | | | November 2020 | | | November 2021 | | |
|----------------------------|-----------------|------------------|---------------------|-----------------|---------------------|-------------------|---------------------|---------------------|---------------|
| | ADV NOV 2021 | ADV NOV 2020 | % CHG | ADV OCT 2021 | % CHG | ADV Y.T.D 2021 | ADV Y.T.D 2020 | % CHG | |
| Ag Products Futures | | | | | | | | | |
| COFFEE | KT | 0 | 0 | - | 0 | - | 0 | 0.01 | 0.0% |
| COTTON | TT | 0 | 0 | - | 0 | - | 0 | 0.25 | -100.0% |
| SUGAR 11 | YO | 0 | 0 | - | 0 | - | 0 | 0.04 | -100.0% |
| TOTAL FUTURES GROUP | | | | | | | | | |
| Ag Products Futures | | 0 | 0 | - | 0 | - | 0 | 0.3 | -97.1% |
| Energy Futures | | 2,148,716 | 1,822,764.15 | 17.9% | 2,263,842.52 | -5.1% | 1,971,144 | 2,176,170.93 | -9.4% |
| Metals Futures | | 569,424 | 638,715.55 | -10.8% | 413,923.1 | 37.6% | 514,721 | 647,084.99 | -20.5% |
| TOTAL FUTURES | | 2,718,141 | 2,461,479.7 | 10.4% | 2,677,765.62 | 1.5% | 2,485,864.54 | 2,823,256.22 | -12.0% |
| TOTAL OPTIONS GROUP | | | | | | | | | |
| Energy Options | | 253,223 | 264,948.45 | -4.4% | 254,533.05 | -0.5% | 248,319 | 277,007.4 | -10.4% |
| Metals Options | | 61,169 | 65,881.9 | -7.2% | 51,159.76 | 19.6% | 53,632 | 73,049.93 | -26.6% |
| TOTAL OPTIONS | | 314,391 | 330,830.35 | -5.0% | 305,692.81 | 2.8% | 301,951.47 | 350,057.33 | -13.7% |
| TOTAL COMBINED | | | | | | | | | |
| Metals | | 630,593 | 704,597.45 | -10.5% | 465,082.86 | 35.6% | 568,353 | 720,134.92 | -21.1% |
| Energy | | 2,401,939 | 2,087,712.6 | 15.1% | 2,518,375.57 | -4.6% | 2,219,463 | 2,453,178.34 | -9.5% |
| Ag Products | | 0 | 0 | - | 0 | - | 0 | 0.3 | -97.1% |
| GRAND TOTAL | | 3,032,532 | 2,792,310.05 | 8.6% | 2,983,458.43 | 1.6% | 2,787,816.01 | 3,173,313.55 | -12.1% |