

NYMEX Futures on CME Globex

| Product | Instrument Group Code | Product Code | Contract Size | Contract Tick Size | Tick Value | CME Globex Tick Size | MDP RLC Channel | Maximum Months Available |
|-------------------------------------------------------------|-----------------------|--------------|--------------------|---------------------------------------|------------|----------------------|-----------------|--------------------------|
| NYMEX Energy Futures – Financially Settled | | | Implied | Sun - Fri 5:00pm – 4:15pm (CT) | | | | |
| Brent Crude Oil | BB | BB | 1000 barrels | 0.01 | \$10.00 | 1 | 30 | 78 |
| Brent Crude Oil Last Day | CL | BZ | 1000 barrels | 0.01 | \$10.00 | 1 | 30 | 78 |
| NYMEX Crude Oil MACI Index | MA | XCN | 200 index points | 0.01 | \$10.00 | 1 | 30 | 1 |
| NYMEX Crude Oil Backwardation Contango Index | MA | XKN | 200 index points | 0.01 | \$10.00 | 1 | 30 | 1 |
| NYMEX Energy Futures - Physically Settled | | | Implied | Sun - Fri 5:00pm – 4:15pm (CT) | | | | |
| Crude Oil | CL | CL | 1000 barrels | 0.01 | \$10 | 1 | 30 | 78 |
| Heating Oil | CL | HO | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 36 |
| RBOB | CL | RB | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 12 |
| Singapore 380cst Fuel Oil | CL | HZ | 100 metric tons | 0.01 | \$1.00 | 1 | 30 | 36 |
| Russian Export Blend Crude Oil (REBCO) | CL | RE | 1,000 U.S. barrels | 0.01 | \$10.00 | 1 | 30 | 72 |
| Gulf Coast Ultra Low Sulfur Diesel | CL | LU | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 36 |
| Gulf Coast Gasoline | CL | LR | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 36 |
| Ethanol Physical | CL | QEN | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 36 |
| Natural Gas | NG | NG | 10000 mmBTU | 0.001 | \$10.00 | 1 | 31 | 72 |
| Propane Gas | PN | PN | 42,000 gallons | 0.0001 | \$4.20 | 1 | 31 | 36 |
| Carbon EUA Emissions Euro | VO | EUA | 1,000 Tons | 0.01 | \$10.00 | 1 | 32 | 11 |
| Carbon Certified Emission Reduction Euro | VO | CCR | 1,000 Tons | 0.01 | \$10.00 | 1 | 32 | 11 |
| SO2 Emissions | VO | RSN | 100 Allowances | 0.25 | \$25.00 | 25 | 32 | 91 |
| Annual NOX Vintage 2009 | VO | WWN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 7 |
| Annual NOX Vintage 2010 | VO | YPN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 11 |
| Annual NOX Vintage 2011 | VO | YQN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 15 |
| Annual NOX Vintage 2012 | VO | YRN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 19 |
| Seasonal NOX Vintage 2008 | VO | RNN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 3 |
| Seasonal NOX Vintage 2009 | VO | YIN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 7 |
| Seasonal NOX Vintage 2010 | VO | YJN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 11 |
| Seasonal NOX Vintage 2011 | VO | YKN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 15 |
| Seasonal NOX Vintage 2012 | VO | YMN | 10 Tons | 25.00 | \$250.00 | 2500 | 32 | 19 |
| Carbon RGGI Emissions | VO | RGI | 1,000 Tons | 0.01 | \$10.00 | 1 | 32 | 1 |
| Energy TAS Futures – on Financially Settled Products | | | Not Implied | Sun - Fri 5:00pm – 1:30pm (CT) | | | | |
| Brent Crude Oil TAS | WT | BBT | 1000 barrels | 0.01 | \$10.00 | 1 | 30 | 3 |
| Brent Crude Oil Last Day TAS | WT | BZT | 1000 barrels | 0.01 | \$10.00 | 1 | 30 | 3 |
| NYMEX Crude Oil MACI Index TAS | CT | XCT | 200 index points | 0.01 | \$10.00 | 1 | 30 | 1 |
| NYMEX Crude Oil Backwardation Contango Index TAS | CT | XKT | 200 index points | 0.01 | \$10.00 | 1 | 30 | 1 |

NYMEX Futures on CME Globex

| Product | Instrument Group Code | Product Code | Contract Size | Contract Tick Size | Tick Value | CME Globex Tick Size | MDP RLC Channel | Maximum Months Available |
|------------------------------------------------------------------|-----------------------|--------------|--------------------|--------------------|------------|---------------------------------------|-----------------|--------------------------|
| NYMEX Energy TAS Futures – on Physically Settled Products | | | Not Implied | | | Sun - Fri 5:00pm – 1:30pm (CT) | | |
| Crude Oil TAS | CT | CLT | 1000 barrels | 0.01 | \$10.00 | 1 | 30 | 3 |
| Natural Gas TAS | NA | NGT | 10,000Mmbtu | 0.001 | \$10.00 | 1 | 31 | 3 |
| RBOB TAS | CT | RBT | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 3 |
| Heating oil TAS | CT | HOT | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 3 |
| Russian Export Blend Crude Oil (REBCO) TAS | CT | RET | 1,000 U.S. barrels | 0.01 | \$10.00 | 1 | 30 | 3 |
| Gulf Coast Ultra Low Sulfur Diesel TAS | CT | LUT | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 3 |
| Gulf Coast Gasoline TAS | CT | LRT | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 3 |
| NYMEX miNY Energy Futures | | | Implied | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| NYMEX miNY Heating oil | QM | QH | 21,000 gallons | 0.001 | \$21.00 | 25 | 30 | 18 |
| NYMEX miNY RBOB gasoline | QM | QU | 21,000 gallons | 0.001 | \$21.00 | 25 | 30 | 12 |
| NYMEX miNY Crude oil | QM | QM | 500 barrels | 0.025 | \$12.50 | 25 | 30 | 72 |
| NYMEX miNY Natural gas | QG | QG | 2500 mmBTU | 0.005 | \$12.50 | 5 | 31 | 72 |
| NYMEX SOFTS Futures – Financially Settled | | | Implied | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| Cocoa | CJ | CJ | 10 metric tons | 1 | \$10.00 | 1 | 32 | 10 |
| Coffee | KT | KT | 37,500 pounds | 0.0005 | \$18.75 | 5 | 32 | 10 |
| Cotton | TT | TT | 50,000 pounds | 0.0001 | \$5.00 | 1 | 32 | 10 |
| Sugar 11 | YO | YO | 112,000 pounds | 0.0001 | \$11.20 | 1 | 32 | 10 |
| NYMEX SOFTS Futures TAS – Financially Settled | | | Implied | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| Cocoa TAS | CJ | CJT | 10 metric tons | 1 | \$10.00 | 1 | 32 | 10 |
| Coffee TAS | KT | KTT | 37,500 pounds | 0.0005 | \$18.75 | 5 | 32 | 10 |
| Cotton TAS | TT | TTT | 50,000 pounds | 0.0001 | \$5.00 | 1 | 32 | 10 |
| Sugar 11 TAS | YO | YOT | 112,000 pounds | 0.0001 | \$11.20 | 1 | 32 | 10 |
| NYMEX iPort Futures – Financially Settled | | | Implied | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| Cat Risk Nationwide | WU | WU | 10 index points | 1 | \$10.00 | 1 | 32 | 3 |
| Cat Risk Texas to Maine (exc Florida) | WY | WY | 10 index points | 1 | \$10.00 | 1 | 32 | 3 |
| Cat Risk Florida | WF | WF | 10 index points | 1 | \$10.00 | 1 | 32 | 3 |
| Ardour Global Index | AX | AX | 25 index points | 0.5 | \$12.50 | 5 | 30 | 4 |
| NYMEX Uranium Futures – Financially Settled | | | Implied | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| UxC Uranium U308 Swap | UX | UX | 250 pounds | 0.05 | \$0.05 | 5 | 31 | 36 |
| NYMEX Calendar Spread Synthetic Futures | | | | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| Crude Oil 1 Month | 08 | CAY | 1,000 barrels | 0.01 | \$10.00 | 1 | 30 | 71 |
| RBOB 1 Month | 08 | ZIY | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 11 |
| Heating Oil 1 Month | 08 | GHY | 42,000 gallons | 0.0001 | \$4.20 | 1 | 30 | 16 |
| Natural Gas 1 Month | 08 | DGY | 10,000 MMBtu | 0.001 | \$10.00 | 1 | 31 | 71 |
| NYMEX Crack Spread Synthetic Futures | | | | | | Sun - Fri 5:00pm – 4:15pm (CT) | | |
| RBOB | 08 | ZXY | 1,000 barrels | 0.01 | \$10.00 | 1 | 30 | 36 |
| Heating Oil | 08 | HCY | 1,000 barrels | 0.01 | \$10.00 | 1 | 30 | 36 |

NYMEX Futures Spreads on CME Globex

| Product | Instrument | | Strategy Type Code | Instrument Code | Contract Tick Size | CME | | MDP RLC Channel | Maximum Months Available |
|--------------------------------------------------------|------------|--------------|-----------------------|--------------------|-----------------------|---------------------|---------|--------------------|---------------------------------------|
| | Group Code | Product Code | | | | Globex Tick Size | Channel | | |
| NYMEX Energy Futures Strips | | | | Not Implied | | | | | Sun - Fri 5:00pm – 4:15pm (CT) |
| Physically Settled Crude Oil Strip | CL | CL-CL | FS | CL:FS XXM MY* | 0.01 | 1 | 30 | | 24 quarterlies |
| RBOB Gasoline Strip | RB | RB-RB | FS | RB:FS XXM MY | 0.0001 | 1 | 30 | | 4 quarterlies |
| Heating Oil Strip | HO | HO-HO | FS | HO:FS XXM MY | 0.0001 | 1 | 30 | | 6 quarterlies |
| Natural Gas Strip | NG | NG-NG | FS | NG:FS XXM MY | 0.001 | 1 | 31 | | 24 quarterlies |
| NYMEX Brent Crude Oil Financial Strip | BB | BB-BB | FS | BB:FS XXM MY | 0.01 | 1 | 30 | | 24 quarterlies |
| NYMEX Brent Financial Last Day Strip | CL | BZ-BZ | FS | BZ:FS XXM MY | 0.01 | 1 | 30 | | 24 quarterlies |
| Uranium Futures Strips | UX | UX-UX | FS | UX:FS XXM MY | 0.01 | 1 | 31 | | 36 months |
| SO2 Emissions Strip | VO | RSN-RSN | FS | RSN:FS XXM MY | 0.25 | 25 | 32 | | 36 months |
| NYMEX Physically Settled 1:1 Crack Spreads | | | | Implied | | | | | Sun - Fri 5:00pm – 4:15pm (CT) |
| RBOB Gasoline vs Crude Oil | CL | RB:CL | C1 | CL:C1 RB-CL MY* | 0.01 | 1 | 30 | | |
| Heating Oil vs Crude Oil | CL | HO:CL | C1 | CL:C1 HO-CL MY | 0.01 | 1 | 30 | | |
| NYMEX Cash/Physical Intercommodity Spreads | | | | Implied | | | | | Sun - Fri 5:00pm – 4:15pm (CT) |
| Crude Oil vs Brent Financial Last Day | CL | CL:BZ | IS | CLMY-BZMY* | 0.01 | 1 | 30 | | |
| Brent Financial Last Day vs REBCO | CL | BZ:RE | IS | BZMY-REMY | 0.01 | 1 | 30 | | |
| NYMEX Physically Settled Intercommodity Spreads | | | | Implied | | | | | Sun - Fri 5:00pm – 4:15pm (CT) |
| Crude Oil Financial vs REBCO | CL | CL:RE | IS | CLMY-REMY* | 0.01 | 1 | 30 | | |
| RBOB Gasoline vs Heating Oil | CL | RB:HO | IS | RBMY-HOMY | 0.0001 | 1 | 30 | | |
| Gulf Coast Gasoline vs RBOB Gasoline | CL | LR:RB | IS | LRMY-RBMY | 0.0001 | 1 | 30 | | |
| Gulf Coast ULSD vs Heating Oil | CL | LU:HO | IS | LUMY-HOMY | 0.0001 | 1 | 30 | | |
| Gulf Coast Gasoline vs Gulf Coast ULSD | CL | LR:LU | IS | LRMY-LUMY | 0.0001 | 1 | 30 | | |
| Ethanol vs RBOB Gasoline | CL | QEN:RB | IS | QENMY-RBMY | 0.0001 | 1 | 30 | | |

*XX = number of months and MY = month-year, e.g.'U8'