



10-44

TO: Clearing Member Firms
Chief Financial Officers
Back Office Managers
Margin Managers

FROM: CME Clearing

SUBJECT: Performance Bond Requirements:

DATE: Thursday, February 04, 2010

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

<http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html>

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below.

The rates will be effective after the close of business on

Friday, February 05, 2010.

Current rates as of:

Thursday, February 04, 2010.

In this current advisory there are changes to the Short Option Minimum and/or the Volatility Scan Range. Below are descriptions of what each change affects:

The Short Option Minimum (SOM) is a charge that is applied only to portfolios concentrated in short options that do not generate a minimum margin requirement level when margins are calculated using the normal 16 SPAN scenarios. The SOM charge per short calls or short puts is a percentage of the outright margin on one underlying futures contract.

The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| CC | Rate Type | Description | Change | ISO | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|--------------|-------------|--------|-----|-----------------|---------------------|-------------|-----------------|
| Intra Spreads | | | | | | | | |
| NYMEX CRACKS AND SPREADS - Intra Spreads | | | | | | | | |
| Dated-to-Frontline Brent Swap - Tier 3 vs. Tier 3 (DATED TO FRONTLINE BRENT CLNDR SWAP) | | | | | | | | |
| FY | Spec | | New | USD | | | 338 | 250 |
| FY | Hedge/Member | | New | USD | | | 250 | 250 |
| Dubai Brent Swap - Tier 3 vs. Tier 3 (ICE BRENT DUBAI SWAP) | | | | | | | | |
| DB | Spec | | New | USD | | | 550 | 500 |
| DB | Hedge/Member | | New | USD | | | 500 | 500 |
| Gasoil 0.1 Cargoes CIF NWE v. ICE Gasoil Swap - Tier 3 vs. Tier 3 (GASOIL 0.1 CIF NWE V. ISE SWAP) | | | | | | | | |
| TU | Spec | | New | USD | | | 1,100 | 1,000 |
| TU | Hedge/Member | | New | USD | | | 1,000 | 1,000 |
| High-Low Sulfur Fuel Oil Spread Swap - Tier 3 vs. Tier 3 (FUELOIL SWAP:CARGOES VS.BARGES) | | | | | | | | |
| FS | Spec | | New | USD | | | 1,100 | 1,000 |
| FS | Hedge/Member | | New | USD | | | 1,000 | 1,000 |
| NYMEX CRUDE PRODUCTS - Intra Spreads | | | | | | | | |
| Brent (ICE) Calendar Swap - Tier 2 vs. Tier 3 (BRENT CALENDAR SWAP) | | | | | | | | |
| CY | Spec | | New | USD | | | 304 | 225 |
| CY | Hedge/Member | | New | USD | | | 225 | 225 |
| Brent Last Day Contract - Tier 2 vs. Tier 3 (BRENT FINANCIAL FUTURES) | | | | | | | | |
| BB | Spec | | New | USD | | | 248 | 225 |
| BB | Hedge/Member | | New | USD | | | 225 | 225 |
| Brent Last Day Contract - Tier 2 vs. Tier 3 (BRENT LAST DAY CONTRACT) | | | | | | | | |
| BZ | Spec | | New | USD | | | 248 | 225 |
| BZ | Hedge/Member | | New | USD | | | 225 | 225 |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| CBOT AGRICULTURAL FUTURES - Inter-commodity Spread Rates | | | | | | |
| CORN (C - CME) vs CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) | | | | | | |
| Spread Credit Rate | Increase | +4:-1 | 40% | 40% | 60% | 60% |
| NYMEX CRACKS AND SPREADS - Inter-commodity Spread Rates | | | | | | |
| EUROPEAN JET CIF NWE V. GASOIL FUTURES SWAP (NYM-JC - CME) vs JET FUEL CARGOES CIF NWE V ICE GASOIL BALMO SWAP C (NYM-6X - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| EUROPEAN JET RDAM BARGES V. GASOIL FUTURES SWAP (NYM-JR - CME) vs JET FUEL BARGES FOB RDAM V ICE GASOIL BALMO SWAP C (NYM-9Q - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 BARGES FOB RDAM V. ICE GASOIL SWAP (NYM-WQ - CME) vs GASOIL 0.1 BARGES FOB RDAM V. ICE GASOIL BALMO SWA (NYM-6V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 CARGOES CIF NWE V. ICE GASOIL SWAP (NYM-TU - CME) vs GASOIL 0.1 CARGOES CIF NWE V. ICE GASOIL BALMO SWA (NYM-4V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 10PPM CARGOES CIF NWE V. ICE GASOIL SWAP (NYM-TP - CME) vs GASOIL 10PPM CARGOES CIF NWE V ICE GASOIL BALMO SW (NYM-3V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GULF COAST JET FUEL VS. NYMEX NO. 2 HEATING OIL (PLATTS) SPREAD SWAP (NYM-ME - CME) vs JET FUEL UP-DOWN BALMO CALENDAR SWAP (NYM-1M - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GULF COAST UNLEADED 87 GASOLINE CRACK SPREAD CALEN (NYM-RU - CME) vs GULF COAST GASOLINE CRACK SPREAD (PLATTS) BALMO SW (NYM-1J - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| NEW YORK HARBOR HEATING OIL CRACK SPREAD CALENDAR (NYM-HK - CME) vs HEATING OIL CRACK SPREAD (PLATTS) BALMO SWAP (NYM-1H - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| RBOB CRACK SPREAD SWAP (NYM-RM - CME) vs RBOB CRACK SPREAD BALMO SWAP (NYM-1E - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| RBOB UP-DOWN CALENDAR SWAP (NYM-RV - CME) vs GASOLINE UP-DOWN BALMO SWAP (NYM-1K - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| UP-DOWN GULF COAST ULSD VS. NYMEX HO SPREAD SWAP (NYM-LT - CME) vs ULSD UP-DOWN BALMO CALENDAR SWAP (NYM-1L - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|--|----------|--------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NYMEX CRUDE PRODUCTS - Inter-commodity Spread Rates | | | | | | |
| BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) | | | | | | |
| Spread Credit Rate | Decrease | +33:-5 | 65% | 65% | 0% | 0% |
| DUBAI CRUDE OIL BALMO (NYM-BI - CME) vs DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| WTI BALMO SWAP FUTURES (NYM-42 - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL - CME) | | | | | | |
| Spread Credit Rate | Decrease | -1:+1 | 80% | 80% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NYMEX NATURAL GAS PRODUCTS - Inter-commodity Spread Rates | | | | | | |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J LBMP SWAP - | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| HENRY HUB NATURAL GAS (NYM-NG - CME) vs MT BELVIEU ETHANE (OPIS) BALMO SWAP (NYM-V4 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +2:-7 | 35% | 35% | 0% | 0% |
| HENRY HUB NATURAL GAS (NYM-NG - CME) vs MT BELVIEU NATURAL GASOLINE (OPIS) BALMO SWAP (NYM-V5 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-2 | 35% | 35% | 0% | 0% |
| | | | | | | |
| HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHIGAN CONSOLIDATED GAS CO. (MICHCON) BASIS SWAP (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| MICHIGAN CONSOLIDATED GAS CO. (MICHCON) BASIS SWAP (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) LOUISIA (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) LOUISIA (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|--|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:-1:+2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURE | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| TRANSCO ZONE 6 BASIS SWAP (PLATTS IFERC) (NYM-NZ - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTH | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TRANSCO ZONE 6 BASIS SWAP (PLATTS IFERC) (NYM-NZ - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|--------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NYMEX PETROLEUM PRODUCTS - Inter-commodity Spread Rates | | | | | | |
| 1.5% FUEL OIL RDAM BARGES BALMO SWAP (NYM-J5 - CME) vs 1.5% FUEL OIL BARGES FOB RDAM SWAP (NYM-Z3 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| ARGUS GASOLINE NWE BALMO SWAP (NYM-B9 - CME) vs NORTHWEST EUROPE GASOLINE SWAP FUTURES (ARGUS) (NYM-AR - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 95% | 95% | 75% | 75% |
| BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) | | | | | | |
| Spread Credit Rate | Decrease | +33:-5 | 65% | 65% | 0% | 0% |
| CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) vs NEW YORK ETHANOL (PLATTS) SWAP (NYM-EZ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 85% | 85% | 75% | 75% |
| CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) vs NEW YORK HARBOR ETHANOL (NYM-QE - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 85% | 85% | 75% | 75% |
| CORN (C - CME) vs CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) | | | | | | |
| Spread Credit Rate | Increase | +4:-1 | 40% | 40% | 60% | 60% |
| DIESEL 10PPM BARGES FOB RDAM BALMO SWAP (NYM-U7 - CME) vs EUROPEAN GASOIL 10PPM RDAM BARGES SWAP (NYM-GT - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| ETHANOL (PLATTS) T2 FOB ROTTERDAM INCLUDING DUTY SWAP (NYM-Z1 - CME) vs ETHANOL (PLATTS) T1 FOB ROTTERDAM EX DUTY SWAP (NYM-2M - CME) | | | | | | |
| Spread Credit Rate | New | +1:-1 | | | 60% | 60% |
| EUROPEAN 1% FUEL OIL NORTHWEST EUROPE (NWE) BALMO SWAP (NYM-KX - CME) vs EUROPEAN 1% FUEL OIL NORTHWEST EUROPE (NWE) CALENDAR SWAP (PLATTS) (NYM-UF - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-KR - CME) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) vs SINGAPORE 380 FUEL OIL (NYM-HZ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-10 | 75% | 75% | 0% | 0% |
| EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) vs SINGAPORE 380CST FUEL OIL (PLATTS) SWAP (NYM-SE - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 75% | 75% | 0% | 0% |
| EUROPEAN 3.5% FUEL OIL ROTTERDAM BALMO CALENDAR SWAP (NYM-UV - CME) vs SINGAPORE GASOIL SWAP (NYM-SG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| EUROPEAN JET CIF NWE V. GASOIL FUTURES SWAP (NYM-JC - CME) vs JET FUEL CARGOES CIF NWE V ICE GASOIL BALMO SWAP C (NYM-6X - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| EUROPEAN JET RDAM BARGES V. GASOIL FUTURES SWAP (NYM-JR - CME) vs JET FUEL BARGES FOB RDAM V ICE GASOIL BALMO SWAP C (NYM-9Q - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| EUROPEAN NAPHTHA BALMO SWAP (NYM-KZ - CME) vs EUROPEAN NAPHTHA CALENDAR SWAP (NYM-UN - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| FUEL OIL 3.5% CIF MED SWAP (NYM-7D - CME) vs FUEL OIL 3.5% CIF MED BALMO SWAP (NYM-8D - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 BARGES FOB RDAM BALMO SWAP (NYM-B8 - CME) vs GASOIL 0.1 BARGES FOB RDAM (NYM-VL - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 BARGES FOB RDAM V. ICE GASOIL SWAP (NYM-WQ - CME) vs GASOIL 0.1 BARGES FOB RDAM V. ICE GASOIL BALMO SWA (NYM-6V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 CARGOES CIF MED BALMO SWAP (NYM-X6 - CME) vs GASOIL 0.1 CIF MED SWAP (NYM-Z4 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 CARGOES CIF NWE BALMO SWAP (NYM-B7 - CME) vs GASOIL 0.1 CARGOES CIF NWE SWAP (NYM-TW - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 CARGOES CIF NWE V. ICE GASOIL SWAP (NYM-TU - CME) vs GASOIL 0.1 CARGOES CIF NWE V. ICE GASOIL BALMO SWA (NYM-4V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 0.1 CIF MED VS. ICE GASOIL SWAP (NYM-Z5 - CME) vs GASOIL 0.1 CIF MED VS. ICE GASOIL BALMO SWAP (NYM-8W - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOIL 10PPM CARGOES CIF NWE V. ICE GASOIL SWAP (NYM-TP - CME) vs GASOIL 10PPM CARGOES CIF NWE V ICE GASOIL BALMO SW (NYM-3V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES BALMO SWAP (NYM-7R - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 95% | 95% | 75% | 75% |
| GULF COAST 3% FUEL OIL BALMO SWAP (NYM-VZ - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% SULFUR (PLATTS) SWAP (NYM-MF - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| GULF COAST JET FUEL VS. NYMEX NO. 2 HEATING OIL (PLATTS) SPREAD SWAP (NYM-ME - CME) vs JET FUEL UP-DOWN BALMO CALENDAR SWAP (NYM-1M - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| GULF COAST UNLEADED 87 GASOLINE CRACK SPREAD CALEN (NYM-RU - CME) vs GULF COAST GASOLINE CRACK SPREAD (PLATTS) BALMO SW (NYM-1J - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| HEATING OIL FINANCIAL FUTURES (NYM-HO - CME) vs CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) | | | | | | |
| Spread Credit Rate | Increase | +1:-1 | 45% | 45% | 55% | 55% |
| HEATING OIL FINANCIAL FUTURES (NYM-HO - CME) vs NEW YORK ETHANOL (PLATTS) SWAP (NYM-EZ - CME) | | | | | | |
| Spread Credit Rate | Increase | +1:-1 | 45% | 45% | 55% | 55% |
| HEATING OIL FINANCIAL FUTURES (NYM-HO - CME) vs NEW YORK HARBOR ETHANOL (NYM-QE - CME) | | | | | | |
| Spread Credit Rate | Increase | +1:-1 | 45% | 45% | 55% | 55% |
| HENRY HUB NATURAL GAS (NYM-NG - CME) vs MT BELVIEU ETHANE (OPIS) BALMO SWAP (NYM-V4 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +2:-7 | 35% | 35% | 0% | 0% |
| HENRY HUB NATURAL GAS (NYM-NG - CME) vs MT BELVIEU NATURAL GASOLINE (OPIS) BALMO SWAP (NYM-V5 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-2 | 35% | 35% | 0% | 0% |
| ICE GASOIL BALMO SWAP (NYM-U9 - CME) vs EUROPEAN GASOIL (ICE) CALENDAR SWAP (NYM-GX - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| JAPAN NAPHTHA BALMO SWAP (NYM-E6 - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP (NYM-JA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| JET FUEL BARGES FOB RDAM BALMO SWAP (NYM-X9 - CME) vs EUROPEAN JET KERO ROTTERDAM CALENDAR SWAP (NYM-UR - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| JET FUEL CARGOES CIF NWE BALMO SWAP (NYM-F3 - CME) vs EUROPEAN JET KERO NWE CALENDAR SWAP (NORTHWEST EUR (NYM-UJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs MONT BELVIEU PROPANE (OPIS) BALMO SWAP (NYM-V6 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 95% | 95% | 75% | 75% |
| MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs MT. BELVIEU NATURAL GASOLINE (OPIS) BALMO SWAP (NYM-V5 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs MONT BELVIEU PROPANE (OPIS) BALMO SWAP (NYM-V6 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 95% | 95% | 75% | 75% |
| MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs MT BELVIEU NORMAL BUTANE (OPIS) BALMO SWAP (NYM-Y5 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|--|----------|-------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| MONT BELVIEU PROPANE (OPIS) BALMO SWAP (NYM-V6 - CME) vs MONT BELVIEU PROPANE (OPIS) SWAP (NYM-PT - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 95% | 95% | 75% | 75% |
| NEW YORK HARBOR ETHANOL (NYM-QE - CME) vs NY HARBOR RBOB GASOLINE (NYM-RB - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 70% | 70% | 55% | 55% |
| NEW YORK HARBOR FUEL OIL 1.0% SULFUR BALMO SWAP (NYM-VK - CME) vs NY HARBOR RESIDUAL FUEL 1.0% SWAP (NYM-MM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| NEW YORK HARBOR HEATING OIL CALENDAR SWAP (NYM-MP - CME) vs HEATING OIL BALMO SALENDAR SWAP (NYM-1G - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| NEW YORK HARBOR HEATING OIL CRACK SPREAD CALENDAR (NYM-HK - CME) vs HEATING OIL CRACK SPREAD (PLATTS) BALMO SWAP (NYM-1H - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| NY HARBOR RBOB GASOLINE (NYM-RB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP (NYM-CU - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 70% | 70% | 55% | 55% |
| NY HARBOR RBOB GASOLINE (NYM-RB - CME) vs NEW YORK ETHANOL (PLATTS) SWAP (NYM-EZ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 70% | 70% | 55% | 55% |
| PREMIUM UNL GASOLINE 10PPM (PLATTS) CARGOES CIF NW (NYM-4G - CME) vs PREMIUM UNL GASOLINE 10PPM (PLATTS) CIF NWE BALMO (NYM-6D - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| PREMIUM UNL GASOLINE 10PPM (PLATTS) CIF MED SWAP (NYM-2G - CME) vs PREMIUM UNL GASOLINE 10PPM (PLATTS) CIF MED BALMO (NYM-6G - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| PREMIUM UNL GASOLINE 10PPM (PLATTS) FOB MED SWAP (NYM-3G - CME) vs PREMIUM UNL GASOLINE 10PPM (PLATTS) FOB MED BALMO (NYM-8G - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| RBOB CALENDAR SWAP (NYM-RL - CME) vs RBOB GASOLINE BALMO CALENDAR SWAP (NYM-1D - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| RBOB CRACK SPREAD SWAP (NYM-RM - CME) vs RBOB CRACK SPREAD BALMO SWAP (NYM-1E - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| RBOB UP-DOWN CALENDAR SWAP (NYM-RV - CME) vs GASOLINE UP-DOWN BALMO SWAP (NYM-1K - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| SINGAPORE 180CST 1 BALMO (NYM-BS - CME) vs SINGAPORE FUEL OIL 180CST CALENDAR SWAP (NYM-UA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| SINGAPORE 380CST BALMO (NYM-BT - CME) vs SINGAPORE 380CST FUEL OIL SWAP (NYM-SE - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| SINGAPORE GASOIL BALMO SWAP (NYM-VU - CME) vs SINGAPORE GASOIL SWAP (NYM-SG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| SINGAPORE JET KERO BALMO (NYM-BX - CME) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| SINGAPORE NAPHTHA BALMO SWAP (NYM-KU - CME) vs SINGAPORE NAPHTHA SWAP (NYM-SP - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| ULSD 10PPM CARGOES CIF MED BALMO SWAP (NYM-X7 - CME) vs ULSD 10PPM CIF MED SWAP (NYM-Z6 - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| ULSD 10PPM CARGOES CIF NWE BALMO SWAP (NYM-B1 - CME) vs GASOIL 10PPM CARGOES CIF NWE SWAP (NYM-TY - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| ULSD 10PPM CIF MED VS. ICE GASOIL SWAP (NYM-Z7 - CME) vs ULSD 10PPM CIF MED VS. ICE GASOIL BALMO SWAP (NYM-7V - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |
| UP-DOWN GULF COAST ULSD VS. NYMEX HO SPREAD SWAP (NYM-LT - CME) vs ULSD UP-DOWN BALMO CALENDAR SWAP (NYM-1L - CME) | | | | | | |
| Spread Credit Rate | Decrease | +1:-1 | 98% | 98% | 75% | 75% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NYMEX POWER PRODUCTS - Inter-commodity Spread Rates | | | | | | |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| ANR OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J LBMP SWAP - | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| CIG ROCKY MOUNTAIN NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:+2:-1 | 60% | 60% | 0% | 0% |
| HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| HOUSTON SHIP CHANNEL NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHCON NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| MICHIGAN CONSOLIDATED GAS CO. (MICHCON) BASIS SWAP (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| MICHIGAN CONSOLIDATED GAS CO. (MICHCON) BASIS SWAP (NYM-NF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE (NGPL) MIDCONTINENT BASIS SWAP (PLATTS IFERC) (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) LOUISIA (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) LOUISIA (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|--|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE LOUISIANA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NY - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 60% | 60% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:-1:+2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NATURAL GAS PIPELINE TEXAS/OKLAHOMA NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-PD - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SET | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|---|----------|-----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| NORTHERN NATURAL GAS VENTURA, IOWA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURE | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| SUMAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTL | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TEXAS EASTERN ZONE M-3 NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NX - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +4:+1:-2 | 45% | 45% | 0% | 0% |
| TRANSCO ZONE 6 BASIS SWAP (PLATTS IFERC) (NYM-NZ - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTH | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| TRANSCO ZONE 6 BASIS SWAP (PLATTS IFERC) (NYM-NZ - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs PJM FINANCIALLY SETTLED MONTHLY FUTURES - PEAK (NYM-JM - CME) | | | | | | |
| Spread Credit Rate | Decrease | +16:+4:-5 | 45% | 45% | 0% | 0% |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE A PEAK MONTHLY SWAP (NYM-KA - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

| Rate Type | Change | Ratio | Current Initial | Current Maintenance | New Initial | New Maintenance |
|--|----------|----------|-----------------|---------------------|-------------|-----------------|
| Inter-commodity Spread Rates | | | | | | |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE G PEAK MONTHLY SWAP (NYM-KG - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |
| WAHA, TEXAS NATURAL GAS BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs HENRY HUB NATURAL GAS (NYM-NG - CME) vs NYISO ZONE J PEAK MONTHLY SWAP (NYM-KJ - CME) | | | | | | |
| Spread Credit Rate | Decrease | +8:-2:-1 | 45% | 45% | 0% | 0% |