



10-452

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements:

DATE: Thursday, October 28, 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, October 29, 2010.**

Current rates as of:

**Thursday, October 28, 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
<b>Outright Rates</b>								
<b>CBOT ENERGY PRODUCTS - Outright Rates</b>								
<b>DENATURED FUEL ETHANOL NY BASIS (73)</b>								
73	Spec		Increase	USD	2,363	1,750	2,835	2,100
73	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
73	Spec		Increase	USD	2,363	1,750	2,835	2,100
73	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
<b>ETHANOL FUTURES (EH)</b>								
EH	Spec		Increase	USD	3,375	2,500	5,670	4,200
EH	Hedge/Member		Increase	USD	2,500	2,500	4,200	4,200
EH	Spec		Increase	USD	3,375	2,500	5,670	4,200
EH	Hedge/Member		Increase	USD	2,500	2,500	4,200	4,200
<b>GC BASIS SWAP (75)</b>								
75	Spec		Increase	USD	2,363	1,750	2,835	2,100
75	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
<b>OTC ETHANOL FOWARD MONTH SWAP (71)</b>								
71	Spec		Increase	USD	2,363	1,750	2,835	2,100
71	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
71	Spec		Increase	USD	2,363	1,750	2,835	2,100
71	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
<b>OTC ETHANOL PREV MONTH SW (72)</b>								
72	Spec		Increase	USD	2,363	1,750	2,835	2,100
72	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100
<b>OTC LA BASIS SWAP (74)</b>								
74	Spec		Increase	USD	2,363	1,750	2,835	2,100
74	Hedge/Member		Increase	USD	1,750	1,750	2,100	2,100

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>NYMEX CRACKS AND SPREADS - Outright Rates</b>								
<b>3.5% F OIL(PLTS) BRGES FOB RDM CRCK (BOB)</b>								
BOB	Spec		Decrease	USD	12,224	11,113	8,731	7,938
BOB	Hedge/Member		Decrease	USD	11,113	11,113	7,938	7,938
<b>ARGS GSOLNE E-BOB OXY BARGES NWE CK (EOB)</b>								
EOB	Spec	Tier 1	Decrease	USD	22,908	20,825	16,035	14,578
EOB	Hedge/Member	Tier 1	Decrease	USD	20,825	20,825	14,578	14,578
EOB	Spec	Tier 2	Decrease	USD	22,908	20,825	16,035	14,578
EOB	Hedge/Member	Tier 2	Decrease	USD	20,825	20,825	14,578	14,578
<b>ARGUS LLS VS. WTI (ARG) TRD M (E5)</b>								
E5	Spec		Decrease	USD	1,650	1,500	990	900
E5	Hedge/Member		Decrease	USD	1,500	1,500	900	900
<b>EURO GASOIL 10PPM VS. ICE (ET)</b>								
ET	Spec		Decrease	USD	3,300	3,000	2,640	2,400
ET	Hedge/Member		Decrease	USD	3,000	3,000	2,400	2,400
<b>EUROPEAN NAPHTHA CRACK SPREAD SWAP (EN)</b>								
EN	Spec		Decrease	USD	2,200	2,000	1,650	1,500
EN	Hedge/Member		Decrease	USD	2,000	2,000	1,500	1,500
<b>FUEL OIL CRACK VS. ICE (FO)</b>								
FO	Spec		Decrease	USD	1,925	1,750	1,375	1,250
FO	Hedge/Member		Decrease	USD	1,750	1,750	1,250	1,250
<b>GAS EURO-BOB OXY (ARG) CRACK (7K)</b>								
7K	Spec	Tier 1	Decrease	USD	2,750	2,500	1,925	1,750
7K	Hedge/Member	Tier 1	Decrease	USD	2,500	2,500	1,750	1,750
7K	Spec	Tier 2	Decrease	USD	2,750	2,500	1,925	1,750
7K	Hedge/Member	Tier 2	Decrease	USD	2,500	2,500	1,750	1,750
<b>GASOIL 0.1 RDAM BRGS V. ICE (WQ)</b>								
WQ	Spec		Decrease	USD	3,300	3,000	2,200	2,000
WQ	Hedge/Member		Decrease	USD	3,000	3,000	2,000	2,000
<b>GASOIL 0.1CIF MED VS. ICE GAS (Z5)</b>								
Z5	Spec		Decrease	USD	6,600	6,000	3,850	3,500
Z5	Hedge/Member		Decrease	USD	6,000	6,000	3,500	3,500
<b>GASOLINE UP-DOWN (ARGUS) SWAP (UZ)</b>								
UZ	Spec		Decrease	USD	2,200	2,000	1,375	1,250
UZ	Hedge/Member		Decrease	USD	2,000	2,000	1,250	1,250

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CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>GCST HEAT OIL(ARG) VS HO SPRD (7U)</b>								
7U	Spec		Decrease	USD	1,925	1,750	1,100	1,000
7U	Hedge/Member		Decrease	USD	1,750	1,750	1,000	1,000
<b>GULF COAST JET VS NYM 2 HO SPRD SWP (ME)</b>								
ME	Spec	Tier 2	Increase	USD	1,100	1,000	1,650	1,500
ME	Hedge/Member	Tier 2	Increase	USD	1,000	1,000	1,500	1,500
ME	Spec	Tier 3	Decrease	USD	1,100	1,000	825	750
ME	Hedge/Member	Tier 3	Decrease	USD	1,000	1,000	750	750
<b>GULF COAST NO.6 FUEL OIL CRACK SWAP (MG)</b>								
MG	Spec		Decrease	USD	1,650	1,500	1,210	1,100
MG	Hedge/Member		Decrease	USD	1,500	1,500	1,100	1,100
<b>GULF COAST ULSD CRACK SPREAD (GY)</b>								
GY	Spec		Decrease	USD	3,025	2,750	1,650	1,500
GY	Hedge/Member		Decrease	USD	2,750	2,750	1,500	1,500
<b>JET UP-DOWN(ARGUS) SWAP (JU)</b>								
JU	Spec		Decrease	USD	2,750	2,500	1,650	1,500
JU	Hedge/Member		Decrease	USD	2,500	2,500	1,500	1,500
<b>LA CARBOB GASOLINE(OPIS)SWAP (JL)</b>								
JL	Spec		Decrease	USD	4,950	4,500	2,750	2,500
JL	Hedge/Member		Decrease	USD	4,500	4,500	2,500	2,500
<b>LA JET (OPIS) SWAP (JS)</b>								
JS	Spec		Decrease	USD	3,300	3,000	1,650	1,500
JS	Hedge/Member		Decrease	USD	3,000	3,000	1,500	1,500
<b>MIN ULSD 10PPM CRGOS CIF MED VS GSL (UCM)</b>								
UCM	Spec		Decrease	USD	660	600	440	400
UCM	Hedge/Member		Decrease	USD	600	600	400	400
<b>NAPHTHA (PLTS) CARGES CIF NWE CRACK (NOB)</b>								
NOB	Spec		Decrease	USD	19,580	17,800	14,685	13,350
NOB	Hedge/Member		Decrease	USD	17,800	17,800	13,350	13,350
<b>SINGAPORE JET KERO GASOIL SWAP (RK)</b>								
RK	Spec		Decrease	USD	825	750	550	500
RK	Hedge/Member		Decrease	USD	750	750	500	500
<b>ULSD 10PPM CIF MED VS. ICE GAS (Z7)</b>								
Z7	Spec		Decrease	USD	6,600	6,000	4,400	4,000
Z7	Hedge/Member		Decrease	USD	6,000	6,000	4,000	4,000

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>USGC UNL 87 CRACK SPREAD CAL SWAP (RU)</b>								
RU	Spec	Tier 1	Decrease	USD	2,750	2,500	2,200	2,000
RU	Hedge/Member	Tier 1	Decrease	USD	2,500	2,500	2,000	2,000
RU	Spec	Tier 2	Decrease	USD	2,750	2,500	2,200	2,000
RU	Hedge/Member	Tier 2	Decrease	USD	2,500	2,500	2,000	2,000
RU	Spec	Tier 3	Decrease	USD	1,650	1,500	1,100	1,000
RU	Hedge/Member	Tier 3	Decrease	USD	1,500	1,500	1,000	1,000
<b>WTI-BRENT CALENDAR SWAP (BK)</b>								
BK	Spec	Tier 1	Decrease	USD	990	900	825	750
BK	Hedge/Member	Tier 1	Decrease	USD	900	900	750	750
BK	Spec	Tier 2	Decrease	USD	990	900	825	750
BK	Hedge/Member	Tier 2	Decrease	USD	900	900	750	750
BK	Spec	Tier 3	Decrease	USD	660	600	495	450
BK	Hedge/Member	Tier 3	Decrease	USD	600	600	450	450
<b>WTS (ARGUS) V WTI SWAP (FF)</b>								
FF	Spec		Decrease	USD	1,100	1,000	770	700
FF	Hedge/Member		Decrease	USD	1,000	1,000	700	700

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CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>NYMEX FREIGHT - Outright Rates</b>								
<b>CAPE SIZE TIMECHARTER AVE SWP FUT (CFU)</b>								
CFU	Spec	Tier 1	Decrease	USD	10,450	9,500	8,250	7,500
CFU	Hedge/Member	Tier 1	Decrease	USD	9,500	9,500	7,500	7,500
CFU	Spec	Tier 2	Decrease	USD	8,250	7,500	6,600	6,000
CFU	Hedge/Member	Tier 2	Decrease	USD	7,500	7,500	6,000	6,000
CFU	Spec	Tier 3	Decrease	USD	6,050	5,500	4,950	4,500
CFU	Hedge/Member	Tier 3	Decrease	USD	5,500	5,500	4,500	4,500
<b>HANDY SIZE TIMECHARTER AVE SWP FUT (HFT)</b>								
HFT	Spec	Tier 1	Decrease	USD	1,100	1,000	880	800
HFT	Hedge/Member	Tier 1	Decrease	USD	1,000	1,000	800	800
HFT	Spec	Tier 2	Decrease	USD	825	750	660	600
HFT	Hedge/Member	Tier 2	Decrease	USD	750	750	600	600
HFT	Spec	Tier 3	Decrease	USD	605	550	495	450
HFT	Hedge/Member	Tier 3	Decrease	USD	550	550	450	450
<b>MIN PANAMAX TIMECHARTER AVE SWP FUT (F0)</b>								
F0	Spec	Tier 1	Decrease	USD	963	875	825	750
F0	Hedge/Member	Tier 1	Decrease	USD	875	875	750	750
F0	Spec	Tier 2	Decrease	USD	688	625	550	500
F0	Hedge/Member	Tier 2	Decrease	USD	625	625	500	500
F0	Spec	Tier 3	Decrease	USD	550	500	413	375
F0	Hedge/Member	Tier 3	Decrease	USD	500	500	375	375
<b>MINI CAPE SIZE TIMECHARTER AV SWAP (CSF)</b>								
CSF	Spec	Tier 1	Decrease	USD	2,613	2,375	2,063	1,875
CSF	Hedge/Member	Tier 1	Decrease	USD	2,375	2,375	1,875	1,875
CSF	Spec	Tier 2	Decrease	USD	2,063	1,875	1,650	1,500
CSF	Hedge/Member	Tier 2	Decrease	USD	1,875	1,875	1,500	1,500
CSF	Spec	Tier 3	Decrease	USD	1,513	1,375	1,238	1,125
CSF	Hedge/Member	Tier 3	Decrease	USD	1,375	1,375	1,125	1,125
<b>MINI HANDY SIZE TIMECHARTER AVE SWP FT (H0)</b>								
H0	Spec	Tier 1	Decrease	USD	275	250	220	200
H0	Hedge/Member	Tier 1	Decrease	USD	250	250	200	200
H0	Spec	Tier 2	Decrease	USD	206	188	165	150
H0	Hedge/Member	Tier 2	Decrease	USD	188	188	150	150
H0	Spec	Tier 3	Decrease	USD	151	138	124	113
H0	Hedge/Member	Tier 3	Decrease	USD	138	138	113	113

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>MINI SUPRAMAX TIMECHARTER AVE SWP FT (G0)</b>								
G0	Spec	Tier 1	Decrease	USD	688	625	550	500
G0	Hedge/Member	Tier 1	Decrease	USD	625	625	500	500
G0	Spec	Tier 2	Decrease	USD	550	500	481	438
G0	Hedge/Member	Tier 2	Decrease	USD	500	500	438	438
G0	Spec	Tier 3	Decrease	USD	413	375	344	313
G0	Hedge/Member	Tier 3	Decrease	USD	375	375	313	313
<b>PANAMAX TIMECHARTER AVE SWP FUT (PFU)</b>								
PFU	Spec	Tier 1	Decrease	USD	3,850	3,500	3,300	3,000
PFU	Hedge/Member	Tier 1	Decrease	USD	3,500	3,500	3,000	3,000
PFU	Spec	Tier 2	Decrease	USD	2,750	2,500	2,200	2,000
PFU	Hedge/Member	Tier 2	Decrease	USD	2,500	2,500	2,000	2,000
PFU	Spec	Tier 3	Decrease	USD	2,200	2,000	1,650	1,500
PFU	Hedge/Member	Tier 3	Decrease	USD	2,000	2,000	1,500	1,500
<b>SUPRAMAX TIMECHARTER AVE SWP FUT (SFT)</b>								
SFT	Spec	Tier 1	Decrease	USD	2,750	2,500	2,200	2,000
SFT	Hedge/Member	Tier 1	Decrease	USD	2,500	2,500	2,000	2,000
SFT	Spec	Tier 2	Decrease	USD	2,200	2,000	1,925	1,750
SFT	Hedge/Member	Tier 2	Decrease	USD	2,000	2,000	1,750	1,750
SFT	Spec	Tier 3	Decrease	USD	1,650	1,500	1,375	1,250
SFT	Hedge/Member	Tier 3	Decrease	USD	1,500	1,500	1,250	1,250
<b>NYMEX PETROLEUM PRODUCTS - Outright Rates</b>								
<b>CHICAGO ETHANOL SWAP (CU)</b>								
CU	Spec		Increase	USD	4,400	4,000	6,600	6,000
CU	Hedge/Member		Increase	USD	4,000	4,000	6,000	6,000
CU	Spec	Tier 2	Increase	USD	4,400	4,000	6,600	6,000
CU	Hedge/Member	Tier 2	Increase	USD	4,000	4,000	6,000	6,000
<b>NEW YORK ETHANOL SWAP (EZ)</b>								
EZ	Spec		Increase	USD	4,400	4,000	6,600	6,000
EZ	Hedge/Member		Increase	USD	4,000	4,000	6,000	6,000
<b>NYMEX ETHANOL PHYSICAL (QE)</b>								
QE	Spec	Tier 1	Increase	USD	4,400	4,000	6,600	6,000
QE	Hedge/Member	Tier 1	Increase	USD	4,000	4,000	6,000	6,000
QE	Spec	Tier 2	Increase	USD	4,400	4,000	6,600	6,000
QE	Hedge/Member	Tier 2	Increase	USD	4,000	4,000	6,000	6,000

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>NYMEX CRUDE PRODUCTS - Inter-commodity Spread Rates</b>						
<b>LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) (NYM-3L - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Decrease	+1:-1	75%	75%	55%	55%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
<b>NYMEX NATURAL GAS PRODUCTS - Inter-commodity Spread Rates</b>						
<b>HENRY HUB NATURAL GAS (NYM-NG, NN, HP) vs MONT BELVIEU PHYSICAL ETHANE (OPIS) (NYM-3Q - CME)</b>						
Spread Credit Rate	Decrease	+2:-7	70%	70%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+2:-7	35%	35%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+2:-5	40%	40%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-2	35%	35%	0%	0%
<b>MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME) vs HOUSTON SHIP CHANNEL NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SM - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ETHANE (OPIS) (NYM-3Q - CME) vs HOUSTON SHIP CHANNEL NATURAL GAS SWING SWAP (NYM-SM - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) (NYM-3L - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+5:-2	40%	40%	0%	0%



## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	60%	60%	0%	0%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+5:-2	40%	40%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	65%	65%	0%	0%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>NYMEX PETROLEUM PRODUCTS - Inter-commodity Spread Rates</b>						
<b>ARGUS PROPANE FAR EAST INDEX SWAP (NYM-7E - CME) vs SINGAPORE NAPHTHA SWAP (NYM-SP - CME)</b>						
Spread Credit Rate	Decrease	+12:-1	45%	45%	0%	0%
<b>CONWAY NATURAL GASOLINE (OPIS) SWAP (NYM-8L - CME) vs MONT BELVIEU NORMAL BUTANE (OPIS) SWAP (NYM-D0 - CME)</b>						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
<b>CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>GULF COAST ULTRA LOW SULFUR DIESEL (ULSD) FUTURES (NY-LU - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
<b>HENRY HUB NATURAL GAS (NYM-NG, NN, HP) vs MONT BELVIEU PHYSICAL ETHANE (OPIS) (NYM-3Q - CME)</b>						
Spread Credit Rate	Decrease	+2:-7	70%	70%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+2:-7	35%	35%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+2:-5	40%	40%	0%	0%
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-2	35%	35%	0%	0%
<b>LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME) vs HOUSTON SHIP CHANNEL NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SM - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	Increase	+1:-1	40%	40%	70%	70%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)</b>						
Spread Credit Rate	New	+1:-1			80%	80%
<b>MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	70%	70%
<b>MONT BELVIEU PHYSICAL ETHANE (OPIS) (NYM-3Q - CME) vs HOUSTON SHIP CHANNEL NATURAL GAS SWING SWAP (NYM-SM - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ETHANE (OPIS) (NYM-3Q - CME) vs MONT BELVIEU ETHYLENE (NYM-1F - CME)</b>						
Spread Credit Rate	Decrease	+4:-5	35%	35%	0%	0%
<b>MONT BELVIEU PHYSICAL ETHANE (OPIS) FUTURES (NY-3Q - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ETHANE (OPIS) FUTURES (NY-3Q - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) (NYM-3L - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) (NYM-3L - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) (NYM-3L - CME) vs MONT BELVIEU NORMAL BUTANE (OPIS) SWAP (NYM-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) FUTURES (NY-3L - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) FUTURES (NY-3L - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL ISO-BUTANE (OPIS) FUTURES (NY-3L - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)</b>						
Spread Credit Rate	Decrease	+25:-2	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs HEATING OIL (NYM-HO, BH, MP)</b>						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+5:-2	40%	40%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT)</b>						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	60%	60%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Decrease	+1:-1	75%	75%	55%	55%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) (NYM-3R - CME) vs NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT)</b>						
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)</b>						
Spread Credit Rate	Decrease	+25:-2	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs HEATING OIL (NYM-HO, BH, MP)</b>						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+5:-2	40%	40%	0%	0%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) (NYM-3P - CME) vs NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT)</b>						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) FUTURES (NY-3P - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) FUTURES (NY-3P - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) FUTURES (NY-3P - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP (NYM-8M - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)</b>						
Spread Credit Rate	Decrease	+2:-1	65%	65%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) (NYM-3M - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME) vs MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)</b>						
Spread Credit Rate	New	+12:-1			55%	55%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	New	+1:-1			65%	65%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)</b>						
Spread Credit Rate	New	+12:-1			55%	55%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU PHYSICAL NATURAL GASOLINE (OPIS) FUTURES (NY-3R - CME)</b>						
Spread Credit Rate	New	+1:-1			50%	50%
<b>NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME)</b>						
Spread Credit Rate	New	+1:-1			50%	50%
<b>PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Inter-commodity Spread Rates</b>						
<b>PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)</b>						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
<b>PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)</b>						
Spread Credit Rate	Decrease	+12:-1	60%	60%	0%	0%
<b>PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)</b>						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
<b>PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)</b>						
Spread Credit Rate	New	+1:-1			70%	70%
<b>PROPANE NON-LDH MT. BELVIEU (OPIS) SWAP (NYM-1R - CME) vs CONWAY PROPANE (OPIS) SWAP (NYM-8K - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
<b>PROPANE NON-LDH MT. BELVIEU (OPIS) SWAP (NYM-1R - CME) vs MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME)</b>						
Spread Credit Rate	Decrease	+1:-1	85%	85%	0%	0%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)</b>						
Spread Credit Rate	New	+1:-1			70%	70%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)</b>						
Spread Credit Rate	New	+1:-1			70%	70%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)</b>						
Spread Credit Rate	New	+1:-1			70%	70%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU PHYSICAL NORMAL BUTANE (OPIS) FUTURES (NY-3M - CME)</b>						
Spread Credit Rate	New	+1:-1			50%	50%
<b>RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)</b>						
Spread Credit Rate	New	+1:-1			60%	60%

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Short Option Minimum (SOM) Rate</b>					
<b>NYMEX CRUDE PRODUCTS - Short Option Minimum (SOM) Rate</b>					
<b>WEST TEXAS INTERMEDIATE 1 MONTH CALENDAR COMBO (NY-CA) - SOM</b>					
Clearing Member Rate	Decrease	110.00	100.00	88.00	80.00
<b>WEST TEXAS INTERMEDIATE 12 MONTH CALENDAR COMBO (NY-CX) - SOM</b>					
Clearing Member Rate	Decrease	110.00	100.00	88.00	80.00
<b>WEST TEXAS INTERMEDIATE 2 MONTH CALENDAR COMBO (NY-CQ) - SOM</b>					
Clearing Member Rate	Increase	66.00	60.00	88.00	80.00
<b>WEST TEXAS INTERMEDIATE 3 MONTH CALENDAR COMBO (NY-CT) - SOM</b>					
Clearing Member Rate	Increase	66.00	60.00	88.00	80.00
<b>WEST TEXAS INTERMEDIATE 6 MONTH CALENDAR COMBO (NY-CV) - SOM</b>					
Clearing Member Rate	Decrease	110.00	100.00	88.00	80.00
<b>NYMEX NATURAL GAS PRODUCTS - Short Option Minimum (SOM) Rate</b>					
<b>HENRY HUB NATURAL GAS FUTURES (NY-NG) - SOM</b>					
Clearing Member Rate	Decrease	135.00	100.00	108.00	80.00