



18-080

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, February 22, 2018

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>

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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 advisory includes changes to certain products' modsplitt methodology. The specific products can be found on page 11 of the advisory.

The rates will be effective after the close of business on
Friday, February 23, 2018.

Current rates as of:

Thursday, February 22, 2018.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
GSCI ER FUTURES (GA)								
GA	Spec		Increase	USD	825	750	880	800
GA	Hedge/Member		Increase	USD	750	750	800	800
OATS FUTURES (O)								
O	Spec	Months 1-2	Increase	USD	633	575	743	675
O	Hedge/Member	Months 1-2	Increase	USD	575	575	675	675
EQUITY INDEX - Outright Rates								
EMINI SP500 - FINANCIAL SECT INDEX (XAF)								
XAF	Spec		Increase	USD	3,850	3,500	4,070	3,700
XAF	Hedge/Member		Increase	USD	3,500	3,500	3,700	3,700
E-MINI SP500 CONS DISCRET SECTOR IX (XAY)								
XAY	Spec		Increase	USD	3,410	3,100	4,070	3,700
XAY	Hedge/Member		Increase	USD	3,100	3,100	3,700	3,700
E-MINI SP500 CONS DISCRET SYNTHETIC (1YT)								
1YT	Spec		Increase	USD	3,410	3,100	4,070	3,700
1YT	Hedge/Member		Increase	USD	3,100	3,100	3,700	3,700
E-MINI SP500 CONS DISCRET TAI (XYT)								
XYT	Spec		Increase	USD	3,410	3,100	4,070	3,700
XYT	Hedge/Member		Increase	USD	3,100	3,100	3,700	3,700
EMINI SP500- HEALTH CARE SECT INDEX (XAV)								
XAV	Spec		Increase	USD	3,190	2,900	3,410	3,100
XAV	Hedge/Member		Increase	USD	2,900	2,900	3,100	3,100
EMINI SP500 MATERIALS SECTOR INDEX (XAB)								
XAB	Spec		Increase	USD	2,420	2,200	2,585	2,350
XAB	Hedge/Member		Increase	USD	2,200	2,200	2,350	2,350
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI)								
XAI	Spec		Increase	USD	2,860	2,600	3,300	3,000
XAI	Hedge/Member		Increase	USD	2,600	2,600	3,000	3,000
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)								
XAK	Spec		Increase	USD	2,640	2,400	2,860	2,600
XAK	Hedge/Member		Increase	USD	2,400	2,400	2,600	2,600
FTSE EMERGING INDEX FUTURES (EI)								
EI	Spec		Increase	USD	2,420	2,200	2,860	2,600
EI	Hedge/Member		Increase	USD	2,200	2,200	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SP 500 - INDUSTRIAL SEL SECTOR SYNT (1IT)								
1IT	Spec		Increase	USD	2,860	2,600	3,300	3,000
1IT	Hedge/Member		Increase	USD	2,600	2,600	3,000	3,000
SP 500 FINANCIAL SECTOR TIC (XFT)								
XFT	Spec		Increase	USD	3,850	3,500	4,070	3,700
XFT	Hedge/Member		Increase	USD	3,500	3,500	3,700	3,700
SP 500 FINANCIAL SLCT SEC SYNT (1FT)								
1FT	Spec		Increase	USD	3,850	3,500	4,070	3,700
1FT	Hedge/Member		Increase	USD	3,500	3,500	3,700	3,700
SP 500 HEALTH CARE SECTOR SYNTHETIC (1VT)								
1VT	Spec		Increase	USD	3,190	2,900	3,410	3,100
1VT	Hedge/Member		Increase	USD	2,900	2,900	3,100	3,100
SP 500 HEALTH CARE SECTOR TIC (XVT)								
XVT	Spec		Increase	USD	3,190	2,900	3,410	3,100
XVT	Hedge/Member		Increase	USD	2,900	2,900	3,100	3,100
SP 500 INDUSTTRIAL SECTOR TIC (XIT)								
XIT	Spec		Increase	USD	2,860	2,600	3,300	3,000
XIT	Hedge/Member		Increase	USD	2,600	2,600	3,000	3,000
SP 500 MATERIALS SEL SECTOR SYNTH (1BT)								
1BT	Spec		Increase	USD	2,420	2,200	2,585	2,350
1BT	Hedge/Member		Increase	USD	2,200	2,200	2,350	2,350
SP 500 MATERIALS SEL SECTOR TIC (XBT)								
XBT	Spec		Increase	USD	2,420	2,200	2,585	2,350
XBT	Hedge/Member		Increase	USD	2,200	2,200	2,350	2,350
SP 500 TECHNOLOGY SECTOR SYNTH (1KT)								
1KT	Spec		Increase	USD	2,640	2,400	2,860	2,600
1KT	Hedge/Member		Increase	USD	2,400	2,400	2,600	2,600
SP 500 TECHNOLOGY SECTOR TIC (XKT)								
XKT	Spec		Increase	USD	2,640	2,400	2,860	2,600
XKT	Hedge/Member		Increase	USD	2,400	2,400	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
AFRICAN RAND FUTURES (RA)								
RA	Spec		Increase	USD	2,035	1,850	2,255	2,050
RA	Hedge/Member		Increase	USD	1,850	1,850	2,050	2,050
BRITISH POUND FUTURES (BP)								
BP	Spec	Month1-3	Increase	USD	1,760	1,600	1,980	1,800
BP	Hedge/Member	Month1-3	Increase	USD	1,600	1,600	1,800	1,800
BP	Spec	Months 4+	Increase	USD	1,760	1,600	1,980	1,800
BP	Hedge/Member	Months 4+	Increase	USD	1,600	1,600	1,800	1,800
EC/SKR CROSS RATE FUTURES (KE)								
KE	Spec		Increase	SEK	17,930	16,300	19,250	17,500
KE	Hedge/Member		Increase	SEK	16,300	16,300	17,500	17,500
E-MICRO GBP/USD FUTURES (M6B)								
M6B	Spec	Month1-3	Increase	USD	176	160	198	180
M6B	Hedge/Member	Month1-3	Increase	USD	160	160	180	180
M6B	Spec	Months 4+	Increase	USD	176	160	198	180
M6B	Hedge/Member	Months 4+	Increase	USD	160	160	180	180
E-MICRO INR/USD FUTURE (MIR)								
MIR	Spec		Increase	USD	220	200	264	240
MIR	Hedge/Member		Increase	USD	200	200	240	240
INR/USD FUTURE (SIR)								
SIR	Spec		Increase	USD	1,100	1,000	1,320	1,200
SIR	Hedge/Member		Increase	USD	1,000	1,000	1,200	1,200
ISRAELI SHEKEL FUTURES (IS)								
IS	Spec		Increase	USD	4,070	3,700	4,620	4,200
IS	Hedge/Member		Increase	USD	3,700	3,700	4,200	4,200
KOREAN WON/U.S. DOLLAR FUTURE (KRW)								
KRW	Spec		Increase	USD	2,530	2,300	2,860	2,600
KRW	Hedge/Member		Increase	USD	2,300	2,300	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
METALS - Outright Rates								
ALUMINA FOB AUSTRALIA PLATT FUTURES (ALA)								
ALA	Spec	Mths 1-4	Increase	USD	3,410	3,100	4,070	3,700
ALA	Hedge/Member	Mths 1-4	Increase	USD	3,100	3,100	3,700	3,700
ALA	Spec	Mths 5+	Increase	USD	3,410	3,100	4,070	3,700
ALA	Hedge/Member	Mths 5+	Increase	USD	3,100	3,100	3,700	3,700
ALUMINA FOB METAL BULLETIN FUTURES (ALB)								
ALB	Spec	Mths 1-4	Increase	USD	2,695	2,450	3,300	3,000
ALB	Hedge/Member	Mths 1-4	Increase	USD	2,450	2,450	3,000	3,000
ALB	Spec	Mths 5+	Increase	USD	2,695	2,450	3,300	3,000
ALB	Hedge/Member	Mths 5+	Increase	USD	2,450	2,450	3,000	3,000
ALUMINIUM EURO PREM DUTY-PAID FUT (EDP)								
EDP	Spec	Mth 1	Increase	USD	303	275	440	400
EDP	Hedge/Member	Mth 1	Increase	USD	275	275	400	400
EDP	Spec	Mths 2-9	Increase	USD	303	275	440	400
EDP	Hedge/Member	Mths 2-9	Increase	USD	275	275	400	400
EDP	Spec	Mths 10+	Increase	USD	303	275	440	400
EDP	Hedge/Member	Mths 10+	Increase	USD	275	275	400	400
ALUMINIUM EURO PREM METAL BULLETIN (AEP)								
AEP	Spec	Mth 1	Increase	USD	220	200	396	360
AEP	Hedge/Member	Mth 1	Increase	USD	200	200	360	360
AEP	Spec	Mths 2-9	Increase	USD	220	200	396	360
AEP	Hedge/Member	Mths 2-9	Increase	USD	200	200	360	360
AEP	Spec	Mths 10+	Increase	USD	264	240	440	400
AEP	Hedge/Member	Mths 10+	Increase	USD	240	240	400	400
ALUMINUM JAPAN PREMIUM (PLATTS) FUT (MJP)								
MJP	Spec	Mth 1	Increase	USD	264	240	330	300
MJP	Hedge/Member	Mth 1	Increase	USD	240	240	300	300
MJP	Spec	Mths 2-9	Increase	USD	264	240	330	300
MJP	Hedge/Member	Mths 2-9	Increase	USD	240	240	300	300
MJP	Spec	Mths 10+	Increase	USD	264	240	330	300
MJP	Hedge/Member	Mths 10+	Increase	USD	240	240	300	300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ALUMINUM MW TRANS PREM PLATTS SWAPS (AUP)								
AUP	Spec	Mth 1	Increase	USD	495	450	660	600
AUP	Hedge/Member	Mth 1	Increase	USD	450	450	600	600
AUP	Spec	Mths 2-12	Increase	USD	495	450	660	600
AUP	Hedge/Member	Mths 2-12	Increase	USD	450	450	600	600
AUP	Spec	Mths 13-21	Increase	USD	550	500	743	675
AUP	Hedge/Member	Mths 13-21	Increase	USD	500	500	675	675
AUP	Spec	22+	Increase	USD	660	600	880	800
AUP	Hedge/Member	22+	Increase	USD	600	600	800	800
COPPER PREMIUM GRADE A CIF SHANGHAI (CUP)								
CUP	Spec		Increase	USD	138	125	165	150
CUP	Hedge/Member		Increase	USD	125	125	150	150
NYMEX HOT ROLLED STEEL FUTURES (HR)								
HR	Spec	Mnths 3 - 10	Increase	USD	528	480	605	550
HR	Hedge/Member	Mnths 3 - 10	Increase	USD	480	480	550	550
HR	Spec	Mnths 11+	Increase	USD	528	480	605	550
HR	Hedge/Member	Mnths 11+	Increase	USD	480	480	550	550
HR	Spec	Mnth 1-2	Increase	USD	528	480	605	550
HR	Hedge/Member	Mnth 1-2	Increase	USD	480	480	550	550
NATURAL GAS - Outright Rates								
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Spec	Mnth 1	Increase	USD	3,025	2,750	3,410	3,100
TTE	Hedge/Member	Mnth 1	Increase	USD	2,750	2,750	3,100	3,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Intra Spreads

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
All Months (ALUMINIUM EURO PREM DUTY-PAID FUT)								
EDP	Spec		Increase	USD	363	330	495	450
EDP	Hedge/Member		Increase	USD	330	330	450	450
Aluminum MW US Transaction Premium Platts (25MT) Swap Futures - Mths 1-21 vs Mths 1-21 (ALUMINUM MW TRANS PREM PLATTS SWAPS)								
AUP	Spec		Increase	USD	413	375	523	475
AUP	Hedge/Member		Increase	USD	375	375	475	475
Aluminum MW US Transaction Premium Platts (25MT) Swap Futures - Mths 1-21 vs Mths 22+ (ALUMINUM MW TRANS PREM PLATTS SWAPS)								
AUP	Spec		Increase	USD	413	375	523	475
AUP	Hedge/Member		Increase	USD	375	375	475	475
Aluminum MW US Transaction Premium Platts (25MT) Swap Futures - Mths 22+ vs Mths 22+ (ALUMINUM MW TRANS PREM PLATTS SWAPS)								
AUP	Spec		Increase	USD	413	375	523	475
AUP	Hedge/Member		Increase	USD	375	375	475	475
Consecutive Spread - Months 2+ (ALUMINIUM EURO PREM DUTY-PAID FUT)								
EDP	Spec		Increase	USD	143	130	220	200
EDP	Hedge/Member		Increase	USD	130	130	200	200
Consecutive Spread - Months 2+ (ALUMINUM MW TRANS PREM PLATTS SWAPS)								
AUP	Spec		Increase	USD	330	300	440	400
AUP	Hedge/Member		Increase	USD	300	300	400	400
Consecutive Spread - Months 2+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	413	375	523	475
HR	Hedge/Member		Increase	USD	375	375	475	475
Month 1 vs. Months 11+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	495	450	605	550
HR	Hedge/Member		Increase	USD	450	450	550	550
Month 1 vs. Months 2-10 (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	495	450	605	550
HR	Hedge/Member		Increase	USD	450	450	550	550
Months 11+ vs. Contracts 11+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	605	550	715	650
HR	Hedge/Member		Increase	USD	550	550	650	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Months 2-10 vs. Months 11+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	605	550	715	650
HR	Hedge/Member		Increase	USD	550	550	650	650
Months 2-10 vs. Months 2-10 (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	605	550	715	650
HR	Hedge/Member		Increase	USD	550	550	650	650
Mths 1-11 vs Mths 1-11 (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Spec		Increase	USD	220	200	264	240
AEP	Hedge/Member		Increase	USD	200	200	240	240
Mths 1-11 vs Mths 12+ (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Spec		Increase	USD	374	340	440	400
AEP	Hedge/Member		Increase	USD	340	340	400	400
Mths 12+ vs Mths 12+ (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Spec		Increase	USD	330	300	385	350
AEP	Hedge/Member		Increase	USD	300	300	350	350
Mths 1-4 vs Mths 1-4 (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	193	175	248	225
ALA	Hedge/Member		Increase	USD	175	175	225	225
Mths 1-4 vs Mths 1-4 (ALUMINA FOB METAL BULLETIN FUTURES)								
ALB	Spec		Increase	USD	193	175	248	225
ALB	Hedge/Member		Increase	USD	175	175	225	225
Mths 1-4 vs Mths 5+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	193	175	248	225
ALA	Hedge/Member		Increase	USD	175	175	225	225
Mths 1-4 vs Mths 5+ (ALUMINA FOB METAL BULLETIN FUTURES)								
ALB	Spec		Increase	USD	193	175	248	225
ALB	Hedge/Member		Increase	USD	175	175	225	225
Mths 1-6 vs 7+ (ALUMINUM JAPAN PREMIUM (PLATTS) FUT)								
MJP	Spec		Increase	USD	385	350	495	450
MJP	Hedge/Member		Increase	USD	350	350	450	450
Mths 1-6 vs Mths 1-6 (ALUMINUM JAPAN PREMIUM (PLATTS) FUT)								
MJP	Spec		Increase	USD	220	200	303	275
MJP	Hedge/Member		Increase	USD	200	200	275	275

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mths 5+ vs Mths 5+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Spec		Increase	USD	193	175	248	225
ALA	Hedge/Member		Increase	USD	175	175	225	225
Mths 5+ vs Mths 5+ (ALUMINA FOB METAL BULLETIN FUTURES)								
ALB	Spec		Increase	USD	193	175	248	225
ALB	Hedge/Member		Increase	USD	175	175	225	225
Mths 7+ vs Mths 7+ (ALUMINUM JAPAN PREMIUM (PLATTS) FUT)								
MJP	Spec		Increase	USD	385	350	495	450
MJP	Hedge/Member		Increase	USD	350	350	450	450
Platinum - Tier 1 vs Tier 2 (PLATINUM FUTURES NYMEX)								
PL	Spec		Decrease	USD	248	225	165	150
PL	Hedge/Member		Decrease	USD	225	225	150	150
Platinum - Tier 1 vs Tier 2 (PLATINUM FUTURES TAS)								
PLT	Spec		Decrease	USD	248	225	165	150
PLT	Hedge/Member		Decrease	USD	225	225	150	150
Platinum - Tier 2 vs Tier 2 (PLATINUM FUTURES NYMEX)								
PL	Spec		Decrease	USD	248	225	165	150
PL	Hedge/Member		Decrease	USD	225	225	150	150
Platinum - Tier 2 vs Tier 2 (PLATINUM FUTURES TAS)								
PLT	Spec		Decrease	USD	248	225	165	150
PLT	Hedge/Member		Decrease	USD	225	225	150	150
WEATHER - Intra Spreads								
Atlanta HDD Monthly (H1) - All Months (ATLANTA HDD FUTURE)								
H1	Spec		Increase	USD	220	200	275	250
H1	Hedge/Member		Increase	USD	200	200	250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

COAL - Inter-commodity Spread Rates

COAL API4 RCH BAY ARGS MCCLOSKEY FUT (NY-MTF - CME) vs COAL API2 CIF ARA ARG-MCCLOSKEY FUT (NY-MFF - CME): MTF Months 2 - 5 vs MFF Months 2 - 5

Spread Credit Rate	Decrease	+1:-1	65%	65%	60%	60%
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COAL API4 RCH BAY ARGS MCCLOSKEY FUT (NY-MTF - CME) vs COAL API2 CIF ARA ARG-MCCLOSKEY FUT (NY-MFF - CME): MTF Months 2 - 5 vs MFF Months 6+

Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
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COAL API4 RCH BAY ARGS MCCLOSKEY FUT (NY-MTF - CME) vs COAL API2 CIF ARA ARG-MCCLOSKEY FUT (NY-MFF - CME): MTF Months 6+ vs MFF Months 2 - 5

Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
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COAL API4 RCH BAY ARGS MCCLOSKEY FUT (NY-MTF - CME) vs COAL API2 CIF ARA ARG-MCCLOSKEY FUT (NY-MFF - CME): MTF Months 6+ vs MFF Months 6+

Spread Credit Rate	Decrease	+1:-1	65%	65%	60%	60%
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UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MTF - CME)

Spread Credit Rate	New	+1:-1			40%	40%
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UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)

Spread Credit Rate	New	+1:-1			35%	35%
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Modsplit Methodology

CC	Name	Leg 1	Leg 2	Current Modsplit	New Modsplit
1P	Singapore Mogas 92 Unleaded (Platts) Futures	S1N	N/A	None	Modsplit
43	European Naphtha (Platts) Crack Spread BALMO Futures	SUN	SBB	None	Modsplit
BT	Singapore Fuel Oil 380 cst (Platts) BALMO Futures	SSE	N/A	None	Modsplit
MTB	Mini Singapore Fuel Oil 380 cst (Platts) BALMO Futures	SSE	N/A	None	Modsplit
KZ	European Naphtha (Platts) BALMO Futures	SUN	N/A	None	Modsplit
MEN	Mini European Naphtha (Platts) BALMO Futures	SUN	N/A	None	Modsplit
NBB	Naphtha Cargoes CIF NWE (Platts) Crack Spread (1000mt) BALMO Futures	SUN	SBB	None	Modsplit
SFB	Singapore Fuel Oil 380 cst (Platts) vs. European 3.5% Fuel Oil Barges FOB Rd	SSE	SUV	None	Modsplit

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs EUROPEAN 1% FUEL OIL NORTHWEST EUROPE (NWE) CALENDAR SWAP (PLATTS) (NYM-UF - CME)						
Spread Credit Rate	Decrease	+33:-5	80%	80%	78%	78%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE FUEL OIL 180CST CALENDAR SWAP (NYM-UA - CME)						
Spread Credit Rate	Decrease	+33:-5	80%	80%	78%	78%
Spread Credit Rate	Decrease	+33:-5	85%	85%	80%	80%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	54%	54%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	75%	75%	80%	80%
EUROPEAN JET KERO ROTTERDAM CALENDAR SWAP (NYM-UR - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)						
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%
DME Products - Inter-commodity Spread Rates						
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	75%	75%	82%	82%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	70%	70%	75%	75%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+5:-33	80%	80%	84%	84%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ETHANOL - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	20%	20%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	New	+2:-15			35%	35%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	25%	25%	44%	44%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Increase	+2:-15	25%	25%	48%	48%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	15%	15%	35%	35%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	25%	25%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	New	+2:-15			25%	25%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	New	+2:-15			25%	25%
INTEREST RATES - Inter-commodity Spread Rates						
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	50%	50%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Decrease	+3:-5	55%	55%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NATURAL GAS - Inter-commodity Spread Rates						
DUTCH TTF NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-TTE - CME) vs LNG JAPAN/KOREA MARKER (PLATTS) SWAP FUTURES (NY-JKM - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	35%	35%
DUTCH TTF NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-TTE - CME) vs UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME)						
Spread Credit Rate	New	+1:-1			54%	54%
Spread Credit Rate	New	+1:-1			52%	52%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	22%	22%
LNG JAPAN/KOREA MARKER (PLATTS) SWAP FUTURES (NY-JKM - CME) vs DUTCH TTF NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-TTE - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MTF - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs DUTCH TTF NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-TTE - CME)						
Spread Credit Rate	New	+1:-1			54%	54%
UK NBP NATURAL GAS (USD/MMBTU) (ICIS HEREN) FRONT MONTH FUTURES (NY-NBP - CME) vs LNG JAPAN/KOREA MARKER (PLATTS) SWAP FUTURES (NY-JKM - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	38%	38%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPAN(SAUDI ARAMCO) SWP (NY-9N - CME) vs EUROPE NAPHTHA CALSWAP (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	49%	49%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	49%	49%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	42%	42%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-1	45%	45%	42%	42%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	44%	44%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	35%	35%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	59%	59%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	58%	58%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	53%	53%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+15:-2			25%	25%
Spread Credit Rate	Increase	+15:-2	20%	20%	35%	35%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	75%	75%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	25%	25%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	40%	40%	45%	45%
Spread Credit Rate	Increase	+2:-15	40%	40%	45%	45%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	70%	70%	78%	78%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	45%	45%	49%	49%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	53%	53%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	25%	25%	32%	32%
Spread Credit Rate	Increase	+2:-15	25%	25%	32%	32%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	30%	30%	41%	41%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	35%	35%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	47%	47%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV)						
Spread Credit Rate	Increase	+15:-2	45%	45%	5,700%	5,700%
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	53%	53%
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	51%	51%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	58%	58%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	25%	25%	35%	35%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+15:-2	45%	45%	48%	48%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	58%	58%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+15:-2	45%	45%	62%	62%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Increase	+1:-1	40%	40%	47%	47%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+2:-15	40%	40%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	55%	55%	52%	52%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	53%	53%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	52%	52%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	74%	74%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+2:-15	40%	40%	46%	46%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	53%	53%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	20%	20%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	New	+2:-15			35%	35%
1% FUEL OIL (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-1X - CME) vs 3.5% FUEL OIL (PLATTS) CIF MED SWAP FUTURES (NY-7D - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	83%	83%
1% FUEL OIL (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-1X - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	85%	85%	90%	90%
1% FUEL OIL (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-1X - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
1% FUEL OIL (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-1X - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
ARGUS PROPAN(SAUDI ARAMCO) SWP (NY-9N - CME) vs EUROPE NAPHTHA CALSWAP (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	49%	49%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	49%	49%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	42%	42%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-1	45%	45%	42%	42%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	44%	44%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	35%	35%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	59%	59%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs EUROPEAN 1% FUEL OIL NORTHWEST EUROPE (NWE) CALENDAR SWAP (PLATTS) (NYM-UF - CME)						
Spread Credit Rate	Decrease	+33:-5	80%	80%	78%	78%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE FUEL OIL 180CST CALENDAR SWAP (NYM-UA - CME)						
Spread Credit Rate	Decrease	+33:-5	80%	80%	78%	78%
Spread Credit Rate	Decrease	+33:-5	85%	85%	80%	80%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	58%	58%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	53%	53%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+15:-2			25%	25%
Spread Credit Rate	Increase	+15:-2	20%	20%	35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	54%	54%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	60%	60%	68%	68%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	75%	75%	80%	80%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+2:-15	80%	80%	85%	85%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Increase	+2:-13	80%	80%	85%	85%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:-1	85%	85%	89%	89%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	25%	25%	44%	44%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	25%	25%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+3:-19	79%	79%	86%	86%
Spread Credit Rate	Decrease	+3:-19	95%	95%	91%	91%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Increase	+2:-15	25%	25%	48%	48%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	51%	51%
EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	94%	94%
EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	94%	94%
EUROPEAN 3.5% FUEL OIL MED CALENDAR SWAP (MEDITERR (NYM-UI - CME) vs FUEL OIL 3.5% CIF MED SWAP (NYM-7D - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	94%	94%
EUROPEAN 3.5% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UV - CME) vs EUROPEAN 3.5% FUEL OIL MED CALENDAR SWAP (MEDITERR (NYM-UI - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	95%	95%
EUROPEAN 3.5% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UV - CME) vs FUEL OIL 3.5% CIF MED SWAP (NYM-7D - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	95%	95%
EUROPEAN JET KERO ROTTERDAM CALENDAR SWAP (NYM-UR - CME) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)						
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-1X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	67%	67%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+2:-15	68%	68%	70%	70%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	75%	75%	82%	82%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+2:-15	45%	45%	54%	54%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	40%	40%	45%	45%
Spread Credit Rate	Increase	+2:-15	40%	40%	45%	45%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	70%	70%	78%	78%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	45%	45%	49%	49%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	15%	15%	35%	35%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	72%	72%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	73%	73%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	25%	25%	32%	32%
Spread Credit Rate	Increase	+2:-15	25%	25%	32%	32%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	69%	69%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	30%	30%	41%	41%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-9	60%	60%	70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	70%	70%	75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	66%	66%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	35%	35%	45%	45%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	30%	30%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	47%	47%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV)						
Spread Credit Rate	Increase	+15:-2	45%	45%	5,700%	5,700%
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	53%	53%
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	51%	51%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	58%	58%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	25%	25%	35%	35%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+15:-2	45%	45%	48%	48%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Increase	+15:-2	40%	40%	58%	58%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+15:-2	45%	45%	62%	62%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Increase	+1:-1	40%	40%	47%	47%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 1% FUEL OIL CALENDAR SWAP (NORTHWEST EURO (NYM-UF - CME)						
Spread Credit Rate	Increase	+7:-1	0%	0%	40%	40%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 1% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UH - CME)						
Spread Credit Rate	Increase	+7:-1	0%	0%	40%	40%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UV - CME)						
Spread Credit Rate	Increase	+7:-1	0%	0%	40%	40%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	63%	63%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+19:-3	30%	30%	75%	75%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+15:-2	25%	25%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+15:-2			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY JET FUEL (PLATTS) SWAP FUTURES (NY-1Q - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	20%	20%	0%	0%
NY JET FUEL (PLATTS) SWAP FUTURES (NY-1Q - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Decrease	+15:-2	55%	55%	40%	40%
NY-3G - PREMIUM UNLD 10P FOB MED SWP vs NY-GX - GASOIL CALENDAR SWAP						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	25%	25%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	70%	70%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+2:-15	40%	40%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Increase	+2:-15	0%	0%	30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	62%	62%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	55%	55%	52%	52%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	53%	53%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	52%	52%
RBOB GASOLINE FUTURES (NY-RB - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	62%	62%
RBOB GASOLINE FUTURES (NY-RB - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Increase	+25:-3	80%	80%	87%	87%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	New	+2:-15			25%	25%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+2:-15	82%	82%	87%	87%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	74%	74%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+2:-15	40%	40%	46%	46%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+2:-15	80%	80%	87%	87%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs SINGAPORE MOGAS 97 UNLEADED (PLATTS) SWAP FUTURES (NY-X0 - CME)						
Spread Credit Rate	Decrease	+2:-13	80%	80%	68%	68%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	New	+2:-15			25%	25%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+5:-33	80%	80%	84%	84%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	67%	67%
SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%