



#17-251

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, June 29, 2017

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, June 30, 2017.

Current rates as of:

Thursday, June 29, 2017.

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
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Outright Rates

AGRICULTURE - Outright Rates

BLOOMBERG COMMODITY INDEX FUTURES (70)

70	Spec		Decrease	USD	275	250	220	200
70	Hedge/Member		Decrease	USD	250	250	200	200

S&P-GSCI COMMODITY INDEX FUTURE (GI)

GI	Spec		Decrease	USD	4,400	4,000	3,850	3,500
GI	Hedge/Member		Decrease	USD	4,000	4,000	3,500	3,500

CRUDE OIL - Outright Rates

LLS (ARGUS) CALENDAR FUT (XA)

XA	Spec	Mnth 1	Decrease	USD	3,850	3,500	3,520	3,200
XA	Hedge/Member	Mnth 1	Decrease	USD	3,500	3,500	3,200	3,200
XA	Spec	Mnth 2	Decrease	USD	3,740	3,400	3,410	3,100
XA	Hedge/Member	Mnth 2	Decrease	USD	3,400	3,400	3,100	3,100
XA	Spec	Mnths 3-6	Decrease	USD	3,630	3,300	3,300	3,000
XA	Hedge/Member	Mnths 3-6	Decrease	USD	3,300	3,300	3,000	3,000
XA	Spec	Mnths 7+	Decrease	USD	3,135	2,850	2,805	2,550
XA	Hedge/Member	Mnths 7+	Decrease	USD	2,850	2,850	2,550	2,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EQUITY INDEX - Outright Rates								
BTIC E-MINI S&P MIDCAP 400 FUT (EMT)								
EMT	Spec		Decrease	USD	7,040	6,400	6,600	6,000
EMT	Hedge/Member		Decrease	USD	6,400	6,400	6,000	6,000
BTIC ON E-MINI S&P 500 FUTURES (EST)								
EST	Spec		Decrease	USD	4,840	4,400	4,620	4,200
EST	Hedge/Member		Decrease	USD	4,400	4,400	4,200	4,200
BTIC REAL ESTATE SELECT INDEX FUT (XRT)								
XRT	Spec		Decrease	USD	935	850	825	750
XRT	Hedge/Member		Decrease	USD	850	850	750	750
BTIC S&P/ CITIGROUP VALUE FUTURE (SUT)								
SUT	Spec		Decrease	USD	10,450	9,500	9,350	8,500
SUT	Hedge/Member		Decrease	USD	9,500	9,500	8,500	8,500
EMINI MIDCAP FUTURES (ME)								
ME	Spec		Decrease	USD	7,040	6,400	6,600	6,000
ME	Hedge/Member		Decrease	USD	6,400	6,400	6,000	6,000
E-MINI NIFTY 50 INDEX FUTURES (II)								
II	Spec		Decrease	USD	770	700	715	650
II	Hedge/Member		Decrease	USD	700	700	650	650
E-MINI REAL ESTATE INDEX MARKER (XRI)								
XRI	Spec		Decrease	USD	935	850	825	750
XRI	Hedge/Member		Decrease	USD	850	850	750	750
E-MINI S&P 500 FUTURES (ES)								
ES	Spec		Decrease	USD	4,840	4,400	4,620	4,200
ES	Hedge/Member		Decrease	USD	4,400	4,400	4,200	4,200
E-MINI S&P 500 FUTURES MARKER (ESI)								
ESI	Spec		Decrease	USD	4,840	4,400	4,620	4,200
ESI	Hedge/Member		Decrease	USD	4,400	4,400	4,200	4,200
E-MINI S&P MIDCAP 400 SYNT MARKER (ETT)								
ETT	Spec		Decrease	USD	7,040	6,400	6,600	6,000
ETT	Hedge/Member		Decrease	USD	6,400	6,400	6,000	6,000
EMINI SP500 - FINANCIAL SECT INDEX (XAF)								
XAF	Spec		Decrease	USD	3,300	3,000	2,970	2,700
XAF	Hedge/Member		Decrease	USD	3,000	3,000	2,700	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI SP500 CONS DISCRET SECTOR IX (XAY)								
XAY	Spec		Decrease	USD	2,640	2,400	2,475	2,250
XAY	Hedge/Member		Decrease	USD	2,400	2,400	2,250	2,250
E-MINI SP500 CONS DISCRET SYNTHETIC (1YT)								
1YT	Spec		Decrease	USD	2,640	2,400	2,475	2,250
1YT	Hedge/Member		Decrease	USD	2,400	2,400	2,250	2,250
E-MINI SP500 CONS DISCRET TAI (XYT)								
XYT	Spec		Decrease	USD	2,640	2,400	2,475	2,250
XYT	Hedge/Member		Decrease	USD	2,400	2,400	2,250	2,250
EMINI SP500- HEALTH CARE SECT INDEX (XAV)								
XAV	Spec		Decrease	USD	2,420	2,200	2,200	2,000
XAV	Hedge/Member		Decrease	USD	2,200	2,200	2,000	2,000
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI)								
XAI	Spec		Decrease	USD	2,200	2,000	2,035	1,850
XAI	Hedge/Member		Decrease	USD	2,000	2,000	1,850	1,850
EMINI SP500-UTILITIES SECTOR INDEX (XAU)								
XAU	Spec		Decrease	USD	1,815	1,650	1,595	1,450
XAU	Hedge/Member		Decrease	USD	1,650	1,650	1,450	1,450
FTSE EMERGING INDEX FUTURES (EI)								
EI	Spec		Decrease	USD	2,200	2,000	1,870	1,700
EI	Hedge/Member		Decrease	USD	2,000	2,000	1,700	1,700
REAL ESTATE SELECT SECTOR FUTURES (XAR)								
XAR	Spec		Decrease	USD	935	850	825	750
XAR	Hedge/Member		Decrease	USD	850	850	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
S&P 500 ANNUAL DIVIDEND INDEX FUT (SDA)								
SDA	Spec	Month 2	Increase	USD	94	85	110	100
SDA	Hedge/Member	Month 2	Increase	USD	85	85	100	100
SDA	Spec	Month 3	Increase	USD	143	130	165	150
SDA	Hedge/Member	Month 3	Increase	USD	130	130	150	150
SDA	Spec	Month 4	Increase	USD	198	180	248	225
SDA	Hedge/Member	Month 4	Increase	USD	180	180	225	225
SDA	Spec	Month 5	Increase	USD	248	225	303	275
SDA	Hedge/Member	Month 5	Increase	USD	225	225	275	275
SDA	Spec	Month 6	Increase	USD	248	225	303	275
SDA	Hedge/Member	Month 6	Increase	USD	225	225	275	275
SDA	Spec	Month 7	Increase	USD	248	225	303	275
SDA	Hedge/Member	Month 7	Increase	USD	225	225	275	275
SDA	Spec	Month 8+	Increase	USD	330	300	385	350
SDA	Hedge/Member	Month 8+	Increase	USD	300	300	350	350
S&P 500 FUTURES (SP)								
SP	Spec		Decrease	USD	24,200	22,000	23,100	21,000
SP	Hedge/Member		Decrease	USD	22,000	22,000	21,000	21,000
S&P 500 QUARLY DIVIDEND INDEX FUT (SDI)								
SDI	Spec	Month 1	Increase	USD	165	150	204	185
SDI	Hedge/Member	Month 1	Increase	USD	150	150	185	185
SDI	Spec	Months 2-4	Increase	USD	182	165	231	210
SDI	Hedge/Member	Months 2-4	Increase	USD	165	165	210	210
S&P VALUE INDEX SYNT MARKER (TST)								
TST	Spec		Decrease	USD	10,450	9,500	9,350	8,500
TST	Hedge/Member		Decrease	USD	9,500	9,500	8,500	8,500
S&P/ CITIGROUP VALUE FUTURES (SU)								
SU	Spec		Decrease	USD	10,450	9,500	9,350	8,500
SU	Hedge/Member		Decrease	USD	9,500	9,500	8,500	8,500
SP 500 - INDUSTRIAL SEL SECTOR SYNT (1IT)								
1IT	Spec		Decrease	USD	2,200	2,000	2,035	1,850
1IT	Hedge/Member		Decrease	USD	2,000	2,000	1,850	1,850
SP 500 FINANCIAL SECTOR TIC (XFT)								
XFT	Spec		Decrease	USD	3,300	3,000	2,970	2,700
XFT	Hedge/Member		Decrease	USD	3,000	3,000	2,700	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SP 500 FINANCIAL SLCT SEC SYNT (1FT)								
1FT	Spec		Decrease	USD	3,300	3,000	2,970	2,700
1FT	Hedge/Member		Decrease	USD	3,000	3,000	2,700	2,700
SP 500 HEALTH CARE SECTOR SYNTHETIC (1VT)								
1VT	Spec		Decrease	USD	2,420	2,200	2,200	2,000
1VT	Hedge/Member		Decrease	USD	2,200	2,200	2,000	2,000
SP 500 HEALTH CARE SECTOR TIC (XVT)								
XVT	Spec		Decrease	USD	2,420	2,200	2,200	2,000
XVT	Hedge/Member		Decrease	USD	2,200	2,200	2,000	2,000
SP 500 INDUSTTRIAL SECTOR TIC (XIT)								
XIT	Spec		Decrease	USD	2,200	2,000	2,035	1,850
XIT	Hedge/Member		Decrease	USD	2,000	2,000	1,850	1,850
SP 500 UTILITIES SEL SECTOR SYNTH (1UT)								
1UT	Spec		Decrease	USD	1,815	1,650	1,595	1,450
1UT	Hedge/Member		Decrease	USD	1,650	1,650	1,450	1,450
SP 500 UTILITIES SEL SECTOR TIC (XUT)								
XUT	Spec		Decrease	USD	1,815	1,650	1,595	1,450
XUT	Hedge/Member		Decrease	USD	1,650	1,650	1,450	1,450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								

ERIS Standards - Outright Rates

10-YR INT RATE SWAP SEC COUPON (ZC9210)

ZC9210Spec	Months 1-6	Decrease	USD	2,200	2,000	1,980	1,800
ZC9210Hedge/Member	Months 1-6	Decrease	USD	2,000	2,000	1,800	1,800
ZC9210Spec	Months 7 - 13	Decrease	USD	2,310	2,100	2,090	1,900
ZC9210Hedge/Member	Months 7 - 13	Decrease	USD	2,100	2,100	1,900	1,900
ZC9210Spec	Months 14 - 19	Decrease	USD	2,420	2,200	2,310	2,100
ZC9210Hedge/Member	Months 14 - 19	Decrease	USD	2,200	2,200	2,100	2,100
ZC9210Spec	Months 20+	Decrease	USD	2,420	2,200	2,310	2,100
ZC9210Hedge/Member	Months 20+	Decrease	USD	2,200	2,200	2,100	2,100

30-YR INT RATE SWAP SEC COUPON (ZD9230)

ZD9230Spec	Months 1-6	Decrease	USD	5,500	5,000	4,620	4,200
ZD9230Hedge/Member	Months 1-6	Decrease	USD	5,000	5,000	4,200	4,200
ZD9230Spec	Months 7-13	Decrease	USD	5,610	5,100	4,950	4,500
ZD9230Hedge/Member	Months 7-13	Decrease	USD	5,100	5,100	4,500	4,500
ZD9230Spec	Months 14-19	Decrease	USD	5,720	5,200	5,170	4,700
ZD9230Hedge/Member	Months 14-19	Decrease	USD	5,200	5,200	4,700	4,700
ZD9230Spec	Months 20 +	Decrease	USD	5,720	5,200	5,170	4,700
ZD9230Hedge/Member	Months 20 +	Decrease	USD	5,200	5,200	4,700	4,700

ERIS 2-YR INT RATE SWAP SEC COUPON (ZA9202)

ZA9202 Spec	Mnths 1-6	Decrease	USD	440	400	385	350
ZA9202 Hedge/Member	Mnths 1-6	Decrease	USD	400	400	350	350
ZA9202 Spec	Months 7-13	Decrease	USD	550	500	495	450
ZA9202 Hedge/Member	Months 7-13	Decrease	USD	500	500	450	450
ZA9202 Spec	Mnths 14-19	Decrease	USD	550	500	495	450
ZA9202 Hedge/Member	Mnths 14-19	Decrease	USD	500	500	450	450
ZA9202 Spec	Months 20+	Decrease	USD	550	500	495	450
ZA9202 Hedge/Member	Months 20+	Decrease	USD	500	500	450	450

ERIS 3-YR INT RATE SWAP (ZB9103)

ZB9103 Spec	Contracts 1-4	Decrease	USD	550	500	440	400
ZB9103 Hedge/Member	Contracts 1-4	Decrease	USD	500	500	400	400
ZB9103 Spec	Contracts 5-8	Decrease	USD	550	500	440	400
ZB9103 Hedge/Member	Contracts 5-8	Decrease	USD	500	500	400	400
ZB9103 Spec	Contracts 9+	Decrease	USD	550	500	440	400
ZB9103 Hedge/Member	Contracts 9+	Decrease	USD	500	500	400	400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								

ERIS 3-YR INT RATE SWAP SEC (ZB9203)

ZB9203 Spec	mnths 1-7	Decrease	USD	660	600	550	500
ZB9203 Hedge/Member	mnths 1-7	Decrease	USD	600	600	500	500
ZB9203 Spec	mnths 8 - 14	Decrease	USD	880	800	770	700
ZB9203 Hedge/Member	mnths 8 - 14	Decrease	USD	800	800	700	700
ZB9203 Spec	mnths 15 - 19	Decrease	USD	1,045	950	935	850
ZB9203 Hedge/Member	mnths 15 - 19	Decrease	USD	950	950	850	850
ZB9203 Spec	mnths 20+	Decrease	USD	1,045	950	935	850
ZB9203 Hedge/Member	mnths 20+	Decrease	USD	950	950	850	850

ERIS 4-YR INT RATE SWAP (ZB9104)

ZB9104 Spec	Contracts 1-4	Decrease	USD	715	650	605	550
ZB9104 Hedge/Member	Contracts 1-4	Decrease	USD	650	650	550	550
ZB9104 Spec	Contracts 5-8	Decrease	USD	715	650	605	550
ZB9104 Hedge/Member	Contracts 5-8	Decrease	USD	650	650	550	550
ZB9104 Spec	Contracts 9+	Decrease	USD	715	650	605	550
ZB9104 Hedge/Member	Contracts 9+	Decrease	USD	650	650	550	550

ERIS 4-YR INT RATE SWAP SEC (ZB9204)

ZB9204 Spec	Tier 1	Decrease	USD	825	750	715	650
ZB9204 Hedge/Member	Tier 1	Decrease	USD	750	750	650	650
ZB9204 Spec	Tier 2	Decrease	USD	1,210	1,100	990	900
ZB9204 Hedge/Member	Tier 2	Decrease	USD	1,100	1,100	900	900
ZB9204 Spec	Tier 3	Decrease	USD	1,540	1,400	1,320	1,200
ZB9204 Hedge/Member	Tier 3	Decrease	USD	1,400	1,400	1,200	1,200
ZB9204 Spec	Tier 4	Decrease	USD	1,540	1,400	1,320	1,200
ZB9204 Hedge/Member	Tier 4	Decrease	USD	1,400	1,400	1,200	1,200

ERIS 5-YR INT RATE SWAP SEC COUPON (ZB9205)

ZB9205 Spec	Mnths 1-7	Decrease	USD	1,089	990	979	890
ZB9205 Hedge/Member	Mnths 1-7	Decrease	USD	990	990	890	890
ZB9205 Spec	Mnths 8-14	Decrease	USD	1,188	1,080	1,045	950
ZB9205 Hedge/Member	Mnths 8-14	Decrease	USD	1,080	1,080	950	950
ZB9205 Spec	Mnths 15-19	Decrease	USD	1,320	1,200	1,210	1,100
ZB9205 Hedge/Member	Mnths 15-19	Decrease	USD	1,200	1,200	1,100	1,100
ZB9205 Spec	Mnths 20+	Decrease	USD	1,320	1,200	1,210	1,100
ZB9205 Hedge/Member	Mnths 20+	Decrease	USD	1,200	1,200	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ERIS STANDARD 10Y INT RATE SWAP FUT (ZC9110)								
ZC9110 Spec		Contracts 1-4	Decrease	USD	1,595	1,450	1,430	1,300
ZC9110 Hedge/Member		Contracts 1-4	Decrease	USD	1,450	1,450	1,300	1,300
ZC9110 Spec		Contracts 5-8	Decrease	USD	1,870	1,700	1,760	1,600
ZC9110 Hedge/Member		Contracts 5-8	Decrease	USD	1,700	1,700	1,600	1,600
ZC9110 Spec		Contracts 9+	Decrease	USD	2,145	1,950	1,925	1,750
ZC9110 Hedge/Member		Contracts 9+	Decrease	USD	1,950	1,950	1,750	1,750
ERIS STANDARD 2Y INT RATE SWAP FUTU (ZA9102)								
ZA9102 Spec		Contracts 1-4	Decrease	USD	275	250	220	200
ZA9102 Hedge/Member		Contracts 1-4	Decrease	USD	250	250	200	200
ZA9102 Spec		Contracts 5-8	Decrease	USD	440	400	385	350
ZA9102 Hedge/Member		Contracts 5-8	Decrease	USD	400	400	350	350
ZA9102 Spec		Contracts 9+	Decrease	USD	495	450	440	400
ZA9102 Hedge/Member		Contracts 9+	Decrease	USD	450	450	400	400
ERIS STANDARD 30Y INT RATE SWAP FUT (ZD9130)								
ZD9130 Spec		Contracts 1-4	Decrease	USD	5,610	5,100	4,950	4,500
ZD9130 Hedge/Member		Contracts 1-4	Decrease	USD	5,100	5,100	4,500	4,500
ZD9130 Spec		Contracts 5-8	Decrease	USD	5,610	5,100	4,950	4,500
ZD9130 Hedge/Member		Contracts 5-8	Decrease	USD	5,100	5,100	4,500	4,500
ZD9130 Spec		Contracts 9+	Decrease	USD	5,610	5,100	4,950	4,500
ZD9130 Hedge/Member		Contracts 9+	Decrease	USD	5,100	5,100	4,500	4,500
ERIS STANDARD 5Y INT RATE SWAP FUTU (ZB9105)								
ZB9105 Spec		Contracts 9+	Decrease	USD	1,045	950	935	850
ZB9105 Hedge/Member		Contracts 9+	Decrease	USD	950	950	850	850
ZB9105 Spec		Contracts 1-4	Decrease	USD	396	360	330	300
ZB9105 Hedge/Member		Contracts 1-4	Decrease	USD	360	360	300	300
ZB9105 Spec		Contracts 5-8	Decrease	USD	550	500	495	450
ZB9105 Hedge/Member		Contracts 5-8	Decrease	USD	500	500	450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
INTEREST RATES - Outright Rates								
10Y TREASURY NOTE FUTURES (21)								
21	Spec		Decrease	USD	1,430	1,300	1,265	1,150
21	Hedge/Member		Decrease	USD	1,300	1,300	1,150	1,150
10-YEAR USD MAC SWAP FUTURES (N1U)								
N1U	Spec		Decrease	USD	2,145	1,950	1,925	1,750
N1U	Hedge/Member		Decrease	USD	1,950	1,950	1,750	1,750
2-YEAR USD MAC SWAP FUTURES (T1U)								
T1U	Spec		Decrease	USD	495	450	440	400
T1U	Hedge/Member		Decrease	USD	450	450	400	400
30 YR U.S. TREASURY BOND FUTURES (17)								
17	Spec	Month 1	Decrease	USD	3,850	3,500	3,465	3,150
17	Hedge/Member	Month 1	Decrease	USD	3,500	3,500	3,150	3,150
17	Spec	Month 2+	Decrease	USD	3,850	3,500	3,465	3,150
17	Hedge/Member	Month 2+	Decrease	USD	3,500	3,500	3,150	3,150
30-YEAR USD MAC SWAP FUTURES (B1U)								
B1U	Spec		Decrease	USD	5,610	5,100	4,950	4,500
B1U	Hedge/Member		Decrease	USD	5,100	5,100	4,500	4,500
5-YEAR USD MAC SWAP FUTURES (F1U)								
F1U	Spec		Decrease	USD	1,045	950	935	850
F1U	Hedge/Member		Decrease	USD	950	950	850	850
LONG TERM U.S. TREASURY BOND FUTURE (UBE)								
UBE	Spec		Decrease	USD	4,840	4,400	4,290	3,900
UBE	Hedge/Member		Decrease	USD	4,400	4,400	3,900	3,900
ONE MONTH EURODOLLAR FUTURES (EM)								
EM	Spec	Mnth 1-4	Decrease	USD	253	230	220	200
EM	Hedge/Member	Mnth 1-4	Decrease	USD	230	230	200	200
EM	Spec	Mnth 5+	Decrease	USD	374	340	330	300
EM	Hedge/Member	Mnth 5+	Decrease	USD	340	340	300	300
ULTRA 10-YEAR U S TREASURY NOTE FUT (TN)								
TN	Spec		Decrease	USD	2,090	1,900	1,870	1,700
TN	Hedge/Member		Decrease	USD	1,900	1,900	1,700	1,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

METALS - Outright Rates

PALLADIUM FUTURES NYMEX (PA)

PA	Spec	Mnth 1	Increase	USD	7,150	6,500	8,580	7,800
PA	Hedge/Member	Mnth 1	Increase	USD	6,500	6,500	7,800	7,800
PA	Spec	Mnth 2-3	Increase	USD	6,050	5,500	7,260	6,600
PA	Hedge/Member	Mnth 2-3	Increase	USD	5,500	5,500	6,600	6,600
PA	Spec	Mnth 4+	Increase	USD	6,050	5,500	7,260	6,600
PA	Hedge/Member	Mnth 4+	Increase	USD	5,500	5,500	6,600	6,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NATURAL GAS - Outright Rates								
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Spec	Mnth 1	Decrease	USD	3,740	3,400	3,300	3,000
TTE	Hedge/Member	Mnth 1	Decrease	USD	3,400	3,400	3,000	3,000
TTE	Spec	Mnths 2	Decrease	USD	3,190	2,900	2,860	2,600
TTE	Hedge/Member	Mnths 2	Decrease	USD	2,900	2,900	2,600	2,600
TTE	Spec	Mnths 3+	Decrease	USD	3,080	2,800	2,750	2,500
TTE	Hedge/Member	Mnths 3+	Decrease	USD	2,800	2,800	2,500	2,500
HENRY HUB TTF NAT GAS SPREAD FUTURE (NYP)								
NYP	Spec	Mnth 1	Decrease	USD	4,785	4,350	4,400	4,000
NYP	Hedge/Member	Mnth 1	Decrease	USD	4,350	4,350	4,000	4,000
NYP	Spec	Mnths 2	Decrease	USD	4,620	4,200	4,180	3,800
NYP	Hedge/Member	Mnths 2	Decrease	USD	4,200	4,200	3,800	3,800
NYP	Spec	Mnths 3+	Decrease	USD	4,345	3,950	3,850	3,500
NYP	Hedge/Member	Mnths 3+	Decrease	USD	3,950	3,950	3,500	3,500
HENRY HUB TTF NAT GAS SPREAD FUTURE (THD)								
THD	Spec	Mnth 1	Decrease	USD	4,565	4,150	4,125	3,750
THD	Hedge/Member	Mnth 1	Decrease	USD	4,150	4,150	3,750	3,750
THD	Spec	Mnths 2	Decrease	USD	4,180	3,800	3,850	3,500
THD	Hedge/Member	Mnths 2	Decrease	USD	3,800	3,800	3,500	3,500
THD	Spec	Mnths 3+	Decrease	USD	3,685	3,350	3,410	3,100
THD	Hedge/Member	Mnths 3+	Decrease	USD	3,350	3,350	3,100	3,100
UK NBP NATURAL GAS FRONT MTH FUT (NBP)								
NBP	Spec	Mnth 1	Decrease	USD	3,740	3,400	3,300	3,000
NBP	Hedge/Member	Mnth 1	Decrease	USD	3,400	3,400	3,000	3,000
NBP	Spec	Mnths 2	Decrease	USD	2,970	2,700	2,640	2,400
NBP	Hedge/Member	Mnths 2	Decrease	USD	2,700	2,700	2,400	2,400
NBP	Spec	Mnths 3+	Decrease	USD	2,750	2,500	2,420	2,200
NBP	Hedge/Member	Mnths 3+	Decrease	USD	2,500	2,500	2,200	2,200
WAHA TEXAS BASIS FUT (NW)								
NW	Spec	Mnth 1	Increase	USD	132	120	187	170
NW	Hedge/Member	Mnth 1	Increase	USD	120	120	170	170

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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Outright Rates

NGL/PETROCHEMICALS - Outright Rates

ARGUS PROPAN FAR EST INDEX FUT (7E)

7E	Spec	Mnth 1	Decrease	USD	29,700	27,000	27,500	25,000
7E	Hedge/Member	Mnth 1	Decrease	USD	27,000	27,000	25,000	25,000
7E	Spec	Mnth 2	Decrease	USD	29,700	27,000	27,500	25,000
7E	Hedge/Member	Mnth 2	Decrease	USD	27,000	27,000	25,000	25,000
7E	Spec	Mnth 3+	Decrease	USD	27,500	25,000	25,300	23,000
7E	Hedge/Member	Mnth 3+	Decrease	USD	25,000	25,000	23,000	23,000

ARGUS PRPNE FAR EAST INDX BALMO FUT (22)

22	Spec	Tier 3	Decrease	USD	40,700	37,000	38,500	35,000
22	Hedge/Member	Tier 3	Decrease	USD	37,000	37,000	35,000	35,000
22	Spec	Tier 2	Decrease	USD	59,400	54,000	57,200	52,000
22	Hedge/Member	Tier 2	Decrease	USD	54,000	54,000	52,000	52,000
22	Spec	Tier 1	Decrease	USD	59,400	54,000	57,200	52,000
22	Hedge/Member	Tier 1	Decrease	USD	54,000	54,000	52,000	52,000

MINI ARGUS PROPANE FAR EAST IDX (MAE)

MAE	Spec	Mnth 1	Decrease	USD	2,970	2,700	2,750	2,500
MAE	Hedge/Member	Mnth 1	Decrease	USD	2,700	2,700	2,500	2,500
MAE	Spec	Mnth 2	Decrease	USD	2,970	2,700	2,750	2,500
MAE	Hedge/Member	Mnth 2	Decrease	USD	2,700	2,700	2,500	2,500
MAE	Spec	Mnth 3+	Decrease	USD	2,750	2,500	2,530	2,300
MAE	Hedge/Member	Mnth 3+	Decrease	USD	2,500	2,500	2,300	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								

PETROLEUM CRACKS AND SPREADS - Outright Rates

3.5% FUEL OIL CIF MED VS 3.5% FUEL (CMF)

CMF	Spec	Mnth 1	Decrease	USD	5,500	5,000	2,200	2,000
CMF	Hedge/Member	Mnth 1	Decrease	USD	5,000	5,000	2,000	2,000
CMF	Spec	Mnth 2	Decrease	USD	1,540	1,400	1,100	1,000
CMF	Hedge/Member	Mnth 2	Decrease	USD	1,400	1,400	1,000	1,000
CMF	Spec	Mnths 3-11	Decrease	USD	1,540	1,400	1,100	1,000
CMF	Hedge/Member	Mnths 3-11	Decrease	USD	1,400	1,400	1,000	1,000
CMF	Spec	Mnths 12+	Decrease	USD	1,540	1,400	1,100	1,000
CMF	Hedge/Member	Mnths 12+	Decrease	USD	1,400	1,400	1,000	1,000

EUR 3.5FUEL OIL RDAM PLATTS WK SPRD (EMW)

EMW	Spec	Wk 1-4	Decrease	USD	2,750	2,500	1,650	1,500
EMW	Hedge/Member	Wk 1-4	Decrease	USD	2,500	2,500	1,500	1,500

SINGAPORE GASOIL VS ICE (GA)

GA	Spec	Mnth 1	Decrease	USD	605	550	495	450
GA	Hedge/Member	Mnth 1	Decrease	USD	550	550	450	450
GA	Spec	Mnth 2	Decrease	USD	495	450	440	400
GA	Hedge/Member	Mnth 2	Decrease	USD	450	450	400	400
GA	Spec	Mnths 3+	Decrease	USD	330	300	275	250
GA	Hedge/Member	Mnths 3+	Decrease	USD	300	300	250	250

SPORE 180 FUEL OIL MINI WK FUT (SDM)

SDM	Spec	Wk 1-4	Decrease	USD	2,750	2,500	1,650	1,500
SDM	Hedge/Member	Wk 1-4	Decrease	USD	2,500	2,500	1,500	1,500

SPORE 380 FUEL OIL MINI WK SPRD FUT (SMW)

SMW	Spec	Wk 1-4	Decrease	USD	2,750	2,500	1,650	1,500
SMW	Hedge/Member	Wk 1-4	Decrease	USD	2,500	2,500	1,500	1,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
REFINED PRODUCTS - Outright Rates								
1% FUEL OIL PLATTS FOB BALMO FUT (FOM)								
FOM	Spec		Decrease	USD	30,800	28,000	25,300	23,000
FOM	Hedge/Member		Decrease	USD	28,000	28,000	23,000	23,000
3.5% FUEL OIL CIF BALMO FUT (8D)								
8D	Spec		Decrease	USD	28,600	26,000	25,300	23,000
8D	Hedge/Member		Decrease	USD	26,000	26,000	23,000	23,000
DALY EURO 1% FOIL CGOES FOB NWE FUT (FCN)								
FCN	Spec		Decrease	USD	4,400	4,000	2,200	2,000
FCN	Hedge/Member		Decrease	USD	4,000	4,000	2,000	2,000
DALY EURO 3.5% FOIL BRGES FOB RDAM (FOR)								
FOR	Spec		Decrease	USD	2,750	2,500	2,200	2,000
FOR	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
DALY GAS EUROBOB OXY ARGS NWE BRGS (GBR)								
GBR	Spec		Decrease	USD	5,500	5,000	4,400	4,000
GBR	Hedge/Member		Decrease	USD	5,000	5,000	4,000	4,000
DIESEL 10PPM BARGES FOB BALMO (U7)								
U7	Spec		Decrease	USD	38,500	35,000	33,000	30,000
U7	Hedge/Member		Decrease	USD	35,000	35,000	30,000	30,000
EURO 1% FUEL OIL NEW BALMO (KX)								
KX	Spec	Tier 1	Decrease	USD	30,800	28,000	24,200	22,000
KX	Hedge/Member	Tier 1	Decrease	USD	28,000	28,000	22,000	22,000
KX	Spec	Tier 2	Decrease	USD	30,800	28,000	24,200	22,000
KX	Hedge/Member	Tier 2	Decrease	USD	28,000	28,000	22,000	22,000
EURO DIESEL 10 CAL FUT (GT)								
GT	Spec		Decrease	USD	28,600	26,000	24,200	22,000
GT	Hedge/Member		Decrease	USD	26,000	26,000	22,000	22,000
EUROBOB GAS10PPM (PLTS) RD FOB (7P)								
7P	Spec	Mnth 1	Decrease	USD	44,000	40,000	38,500	35,000
7P	Hedge/Member	Mnth 1	Decrease	USD	40,000	40,000	35,000	35,000
7P	Spec	Mnths 2+	Decrease	USD	38,500	35,000	33,000	30,000
7P	Hedge/Member	Mnths 2+	Decrease	USD	35,000	35,000	30,000	30,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EUROPE JET KERO NWE CALFUT (UJ)								
UJ	Spec	Mths 1	Decrease	USD	37,400	34,000	30,800	28,000
UJ	Hedge/Member	Mths 1	Decrease	USD	34,000	34,000	28,000	28,000
UJ	Spec	Mths 2-6	Decrease	USD	37,400	34,000	30,800	28,000
UJ	Hedge/Member	Mths 2-6	Decrease	USD	34,000	34,000	28,000	28,000
UJ	Spec	Mnths 7+	Decrease	USD	33,000	30,000	26,400	24,000
UJ	Hedge/Member	Mnths 7+	Decrease	USD	30,000	30,000	24,000	24,000
EUROPE JET KERO RDAM CALFUT (UR)								
UR	Spec	Mnth 1	Decrease	USD	31,900	29,000	27,500	25,000
UR	Hedge/Member	Mnth 1	Decrease	USD	29,000	29,000	25,000	25,000
UR	Spec	Mnths 2+	Decrease	USD	31,900	29,000	27,500	25,000
UR	Hedge/Member	Mnths 2+	Decrease	USD	29,000	29,000	25,000	25,000
EUROPE NAPHTHA CALFUT (UN)								
UN	Spec	Mths 1	Decrease	USD	28,600	26,000	25,300	23,000
UN	Hedge/Member	Mths 1	Decrease	USD	26,000	26,000	23,000	23,000
EUROPEAN GASOIL ICE FUTURE (7F)								
7F	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,980	1,800
7F	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,800	1,800
7F	Spec	Mnths 2-6	Decrease	USD	2,145	1,950	1,925	1,750
7F	Hedge/Member	Mnths 2-6	Decrease	USD	1,950	1,950	1,750	1,750
7F	Spec	Mnths 7-11	Decrease	USD	2,035	1,850	1,815	1,650
7F	Hedge/Member	Mnths 7-11	Decrease	USD	1,850	1,850	1,650	1,650
7F	Spec	Mnths 12+	Decrease	USD	1,925	1,750	1,705	1,550
7F	Hedge/Member	Mnths 12+	Decrease	USD	1,750	1,750	1,550	1,550
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,980	1,800
7FT	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,800	1,800
7FT	Spec	Mnths 2-6	Decrease	USD	2,145	1,950	1,925	1,750
7FT	Hedge/Member	Mnths 2-6	Decrease	USD	1,950	1,950	1,750	1,750
7FT	Spec	Mnths 7-11	Decrease	USD	2,035	1,850	1,815	1,650
7FT	Hedge/Member	Mnths 7-11	Decrease	USD	1,850	1,850	1,650	1,650
7FT	Spec	Mnths 12+	Decrease	USD	1,925	1,750	1,705	1,550
7FT	Hedge/Member	Mnths 12+	Decrease	USD	1,750	1,750	1,550	1,550
GAS EURO-BOB OXY (ARG) NEW BRG (7H)								
7H	Spec	Mnths 2-6	Decrease	USD	26,950	24,500	24,750	22,500
7H	Hedge/Member	Mnths 2-6	Decrease	USD	24,500	24,500	22,500	22,500
7H	Spec	Mnths 7+	Decrease	USD	25,850	23,500	23,650	21,500
7H	Hedge/Member	Mnths 7+	Decrease	USD	23,500	23,500	21,500	21,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GASOIL 0.1 CIF MED FUT (Z4)								
Z4	Spec		Decrease	USD	27,500	25,000	24,200	22,000
Z4	Hedge/Member		Decrease	USD	25,000	25,000	22,000	22,000
GASOIL 0.1 CIF NW BALMO FUT (B7)								
B7	Spec		Decrease	USD	38,500	35,000	33,000	30,000
B7	Hedge/Member		Decrease	USD	35,000	35,000	30,000	30,000
GASOIL 0.1 ROTTERDAM BARGES FUT (VL)								
VL	Spec	Month 1	Decrease	USD	26,400	24,000	24,200	22,000
VL	Hedge/Member	Month 1	Decrease	USD	24,000	24,000	22,000	22,000
VL	Spec	Month 2+	Decrease	USD	26,400	24,000	24,200	22,000
VL	Hedge/Member	Month 2+	Decrease	USD	24,000	24,000	22,000	22,000
GASOIL BULLET FUT (BG)								
BG	Spec	Mnth 1	Decrease	USD	22,000	20,000	19,800	18,000
BG	Hedge/Member	Mnth 1	Decrease	USD	20,000	20,000	18,000	18,000
BG	Spec	Mnths 2-6	Decrease	USD	21,450	19,500	19,250	17,500
BG	Hedge/Member	Mnths 2-6	Decrease	USD	19,500	19,500	17,500	17,500
BG	Spec	Mnths 7-11	Decrease	USD	20,350	18,500	18,150	16,500
BG	Hedge/Member	Mnths 7-11	Decrease	USD	18,500	18,500	16,500	16,500
BG	Spec	Mnths 12+	Decrease	USD	19,250	17,500	17,050	15,500
BG	Hedge/Member	Mnths 12+	Decrease	USD	17,500	17,500	15,500	15,500
GC GASOLINE ARGUS CAL FUT (AW)								
AW	Spec		Decrease	USD	5,500	5,000	3,850	3,500
AW	Hedge/Member		Decrease	USD	5,000	5,000	3,500	3,500
GC JET (ARGUS) CAL FUT (AF)								
AF	Spec		Decrease	USD	3,850	3,500	3,465	3,150
AF	Hedge/Member		Decrease	USD	3,500	3,500	3,150	3,150
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnth 1	Decrease	USD	26,400	24,000	24,750	22,500
JA	Hedge/Member	Mnth 1	Decrease	USD	24,000	24,000	22,500	22,500
JA	Spec	Mnths 7+	Decrease	USD	26,400	24,000	24,200	22,000
JA	Hedge/Member	Mnths 7+	Decrease	USD	24,000	24,000	22,000	22,000
JAPAN NAPHTHA BALMO FUT (E6)								
E6	Spec		Decrease	USD	33,000	30,000	28,600	26,000
E6	Hedge/Member		Decrease	USD	30,000	30,000	26,000	26,000
JET AVIA FUEL(PLTT) CRGS FOB M (1T)								
1T	Spec		Decrease	USD	36,300	33,000	27,500	25,000
1T	Hedge/Member		Decrease	USD	33,000	33,000	25,000	25,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MIDDLE EAST GASOIL ARAB GULF (MPE)								
MPE	Spec	Mnth 1	Decrease	USD	4,400	4,000	3,300	3,000
MPE	Hedge/Member	Mnth 1	Decrease	USD	4,000	4,000	3,000	3,000
MPE	Spec	Mnths 2-6	Decrease	USD	4,400	4,000	3,300	3,000
MPE	Hedge/Member	Mnths 2-6	Decrease	USD	4,000	4,000	3,000	3,000
MIDEAST FUEL OIL 180 CST PLATTS FUT (DHE)								
DHE	Spec	All Months	Decrease	USD	23,100	21,000	18,700	17,000
DHE	Hedge/Member	All Months	Decrease	USD	21,000	21,000	17,000	17,000
MIDEAST FUEL OIL 380 CST PLATT FUT (DES)								
DES	Spec	Mnth 1	Decrease	USD	22,000	20,000	18,700	17,000
DES	Hedge/Member	Mnth 1	Decrease	USD	20,000	20,000	17,000	17,000
DES	Spec	Mnths 2+	Decrease	USD	22,000	20,000	18,700	17,000
DES	Hedge/Member	Mnths 2+	Decrease	USD	20,000	20,000	17,000	17,000
MIN EURO NPHTHA CIF NWE FUT (MNC)								
MNC	Spec	Mths 1	Decrease	USD	2,860	2,600	2,530	2,300
MNC	Hedge/Member	Mths 1	Decrease	USD	2,600	2,600	2,300	2,300
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnth 1	Decrease	USD	2,640	2,400	2,475	2,250
MJN	Hedge/Member	Mnth 1	Decrease	USD	2,400	2,400	2,250	2,250
MJN	Spec	Mnths 7+	Decrease	USD	2,640	2,400	2,420	2,200
MJN	Hedge/Member	Mnths 7+	Decrease	USD	2,400	2,400	2,200	2,200
MINEUR1%FUEL OIL CRGO FOB NWE BALMO (OC)								
OC	Spec	Tier 1	Decrease	USD	3,080	2,800	2,420	2,200
OC	Hedge/Member	Tier 1	Decrease	USD	2,800	2,800	2,200	2,200
OC	Spec	Tier 2	Decrease	USD	3,080	2,800	2,420	2,200
OC	Hedge/Member	Tier 2	Decrease	USD	2,800	2,800	2,200	2,200
MINI GAS EUROBOB OXY BARGES FUT (MEO)								
MEO	Spec	Mnths 2-6	Decrease	USD	26,950	24,500	24,750	22,500
MEO	Hedge/Member	Mnths 2-6	Decrease	USD	24,500	24,500	22,500	22,500
MEO	Spec	Mnths 7+	Decrease	USD	25,850	23,500	23,650	21,500
MEO	Hedge/Member	Mnths 7+	Decrease	USD	23,500	23,500	21,500	21,500
MINI JAPAN NAPHTHA BALMO FUT (E6M)								
E6M	Spec		Decrease	USD	3,300	3,000	2,860	2,600
E6M	Hedge/Member		Decrease	USD	3,000	3,000	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								
MINI NAPHTHA CARGOES CIF ARA ARGUS (NBF)								
NBF	Spec	Mnth 1	Decrease	USD	3,520	3,200	3,080	2,800
NBF	Hedge/Member	Mnth 1	Decrease	USD	3,200	3,200	2,800	2,800
NBF	Spec	Mnths 2-6	Decrease	USD	3,300	3,000	2,750	2,500
NBF	Hedge/Member	Mnths 2-6	Decrease	USD	3,000	3,000	2,500	2,500
MINI NAPHTHA CARGOES CIF NWE ARGUS (NCF)								
NCF	Spec	Mths 1	Decrease	USD	3,850	3,500	2,970	2,700
NCF	Hedge/Member	Mths 1	Decrease	USD	3,500	3,500	2,700	2,700
NCF	Spec	Mths 2-6	Decrease	USD	3,850	3,500	2,970	2,700
NCF	Hedge/Member	Mths 2-6	Decrease	USD	3,500	3,500	2,700	2,700
MINI SINGAPORE GASOIL PLATS FUTURES (MSG)								
MSG	Spec	Mnth 1	Decrease	USD	292	265	253	230
MSG	Hedge/Member	Mnth 1	Decrease	USD	265	265	230	230
MSG	Spec	Mnths 2-6	Decrease	USD	292	265	242	220
MSG	Hedge/Member	Mnths 2-6	Decrease	USD	265	265	220	220
MSG	Spec	Mnths 7+	Decrease	USD	275	250	237	215
MSG	Hedge/Member	Mnths 7+	Decrease	USD	250	250	215	215
MOGAS92 UNLEADED (PLTS) BLM FUT (1P)								
1P	Spec		Decrease	USD	4,950	4,500	4,070	3,700
1P	Hedge/Member		Decrease	USD	4,500	4,500	3,700	3,700
NEW YORK JET FUEL (ARGUS) FUT (4Y)								
4Y	Spec		Decrease	USD	3,850	3,500	3,465	3,150
4Y	Hedge/Member		Decrease	USD	3,500	3,500	3,150	3,150
NEW YORK JET FUEL (PLATTS) FUT (1Q)								
1Q	Spec		Decrease	USD	3,850	3,500	3,465	3,150
1Q	Hedge/Member		Decrease	USD	3,500	3,500	3,150	3,150
PREM UNL GAS 10 PPM BALMO (7N)								
7N	Spec		Decrease	USD	49,500	45,000	46,200	42,000
7N	Hedge/Member		Decrease	USD	45,000	45,000	42,000	42,000
PREMIUM UNLD 10P FOB MED FUT (3G)								
3G	Spec	Mnth 1	Decrease	USD	36,300	33,000	28,600	26,000
3G	Hedge/Member	Mnth 1	Decrease	USD	33,000	33,000	26,000	26,000
3G	Spec	Mnths 2+	Decrease	USD	36,300	33,000	28,600	26,000
3G	Hedge/Member	Mnths 2+	Decrease	USD	33,000	33,000	26,000	26,000
PREMIUM UNLD 10PPM CARGOES CIF (4G)								
4G	Spec		Decrease	USD	37,400	34,000	31,900	29,000
4G	Hedge/Member		Decrease	USD	34,000	34,000	29,000	29,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PREMIUM UNLEAD 10PPM FOB BLMO (8G)								
8G	Spec		Decrease	USD	49,500	45,000	46,200	42,000
8G	Hedge/Member		Decrease	USD	45,000	45,000	42,000	42,000
RME BIODIESEL ARGUS FOB RDA RED CLP (RBF)								
RBF	Spec		Decrease	USD	5,940	5,400	4,400	4,000
RBF	Hedge/Member		Decrease	USD	5,400	5,400	4,000	4,000
SINGAPORE GASOIL FUT (SG)								
SG	Spec	Mnth 1	Decrease	USD	2,915	2,650	2,530	2,300
SG	Hedge/Member	Mnth 1	Decrease	USD	2,650	2,650	2,300	2,300
SG	Spec	Mnths 2-6	Decrease	USD	2,915	2,650	2,420	2,200
SG	Hedge/Member	Mnths 2-6	Decrease	USD	2,650	2,650	2,200	2,200
SG	Spec	Mnths 7+	Decrease	USD	2,750	2,500	2,365	2,150
SG	Hedge/Member	Mnths 7+	Decrease	USD	2,500	2,500	2,150	2,150
SINGAPORE JET KEROSENE FUT (KS)								
KS	Spec	Mnth 1	Decrease	USD	3,300	3,000	2,860	2,600
KS	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,600	2,600
KS	Spec	Mnths 2-6	Decrease	USD	3,300	3,000	2,750	2,500
KS	Hedge/Member	Mnths 2-6	Decrease	USD	3,000	3,000	2,500	2,500
KS	Spec	Mnths 7+	Decrease	USD	3,300	3,000	2,640	2,400
KS	Hedge/Member	Mnths 7+	Decrease	USD	3,000	3,000	2,400	2,400
SINGAPORE MOGAS 95 BALMO FUT (W0)								
W0	Spec		Decrease	USD	7,700	7,000	5,500	5,000
W0	Hedge/Member		Decrease	USD	7,000	7,000	5,000	5,000
SINGAPORE MOGAS 95 FUT (V0)								
V0	Spec	Mnth 1	Decrease	USD	3,520	3,200	3,190	2,900
V0	Hedge/Member	Mnth 1	Decrease	USD	3,200	3,200	2,900	2,900
V0	Spec	Mnths 2+	Decrease	USD	3,520	3,200	3,300	3,000
V0	Hedge/Member	Mnths 2+	Decrease	USD	3,200	3,200	3,000	3,000
SINGAPORE NAPHTHA BALMO (KU)								
KU	Spec	Tier 1	Decrease	USD	6,600	6,000	5,500	5,000
KU	Hedge/Member	Tier 1	Decrease	USD	6,000	6,000	5,000	5,000
KU	Spec	Tier 2	Decrease	USD	6,600	6,000	5,500	5,000
KU	Hedge/Member	Tier 2	Decrease	USD	6,000	6,000	5,000	5,000
SINGAPORE NAPHTHA FUT (SP)								
SP	Spec		Decrease	USD	3,850	3,500	3,300	3,000
SP	Hedge/Member		Decrease	USD	3,500	3,500	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE GASOIL 10PPM(PLATTS) FUT (STF)								
STF	Spec	Mnth 1	Decrease	USD	3,850	3,500	3,300	3,000
STF	Hedge/Member	Mnth 1	Decrease	USD	3,500	3,500	3,000	3,000
STF	Spec	Mnths 2+	Decrease	USD	3,850	3,500	3,300	3,000
STF	Hedge/Member	Mnths 2+	Decrease	USD	3,500	3,500	3,000	3,000
SYNTHETI SINGAPORE JET KEROSENE FUT (SKS)								
SKS	Spec	Mnth 1	Decrease	USD	3,300	3,000	2,860	2,600
SKS	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,600	2,600
SKS	Spec	Mnths 2-6	Decrease	USD	3,300	3,000	2,750	2,500
SKS	Hedge/Member	Mnths 2-6	Decrease	USD	3,000	3,000	2,500	2,500
SKS	Spec	Mnths 7+	Decrease	USD	3,300	3,000	2,640	2,400
SKS	Hedge/Member	Mnths 7+	Decrease	USD	3,000	3,000	2,400	2,400
SYNTHETIC GASOIL BULLET FUT (SBG)								
SBG	Spec	Mnth 1	Decrease	USD	22,000	20,000	19,800	18,000
SBG	Hedge/Member	Mnth 1	Decrease	USD	20,000	20,000	18,000	18,000
SBG	Spec	Mnths 2-6	Decrease	USD	21,450	19,500	19,250	17,500
SBG	Hedge/Member	Mnths 2-6	Decrease	USD	19,500	19,500	17,500	17,500
SBG	Spec	Mnths 7-11	Decrease	USD	20,350	18,500	18,150	16,500
SBG	Hedge/Member	Mnths 7-11	Decrease	USD	18,500	18,500	16,500	16,500
SBG	Spec	Mnths 12+	Decrease	USD	19,250	17,500	17,050	15,500
SBG	Hedge/Member	Mnths 12+	Decrease	USD	17,500	17,500	15,500	15,500
SYNTHETIC SINGAPORE GASOIL FUT (SSG)								
SSG	Spec	Mnth 1	Decrease	USD	2,915	2,650	2,530	2,300
SSG	Hedge/Member	Mnth 1	Decrease	USD	2,650	2,650	2,300	2,300
SSG	Spec	Mnths 2-6	Decrease	USD	2,915	2,650	2,420	2,200
SSG	Hedge/Member	Mnths 2-6	Decrease	USD	2,650	2,650	2,200	2,200
SSG	Spec	Mnths 7+	Decrease	USD	2,750	2,500	2,365	2,150
SSG	Hedge/Member	Mnths 7+	Decrease	USD	2,500	2,500	2,150	2,150
ULSD 10PPM CARGOES CIF NWE S (TY)								
TY	Spec		Decrease	USD	24,200	22,000	20,900	19,000
TY	Hedge/Member		Decrease	USD	22,000	22,000	19,000	19,000
ULSD 10PPM CIF MED FUT (Z6)								
Z6	Spec		Decrease	USD	27,500	25,000	22,000	20,000
Z6	Hedge/Member		Decrease	USD	25,000	25,000	20,000	20,000
ULSD 10PPM CIF NW BALMO FUT (B1)								
B1	Spec		Decrease	USD	38,500	35,000	33,000	30,000
B1	Hedge/Member		Decrease	USD	35,000	35,000	30,000	30,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
Palladium - Tier 1 vs Tier 2 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	1,540	1,400	2,200	2,000
PA	Hedge/Member		Increase	USD	1,400	1,400	2,000	2,000
Palladium - Tier 2 vs Tier 2 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	1,540	1,400	2,200	2,000
PA	Hedge/Member		Increase	USD	1,400	1,400	2,000	2,000
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
Singapore Gasoil 10 ppm vs 0.5% Sulfur Spread (Platts) Swap Futures - All Months (SINGAPORE GASOIL 10PPM V GSOLSPD FUT)								
STZ	Spec		Increase	USD	275	250	385	350
STZ	Hedge/Member		Increase	USD	250	250	350	350

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						
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MTF - CME)						
Spread Credit Rate	Increase	+10:-1	0%	0%	50%	50%
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)						
Spread Credit Rate	Increase	+10:-1	0%	0%	44%	44%
Spread Credit Rate	New	+10:-1			45%	45%
Spread Credit Rate	Increase	+10:-1	0%	0%	40%	40%
CRUDE OIL - Inter-commodity Spread Rates						
(NY-LLR - CME) vs (NY-XA - CME) vs (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
(NY-LLR - CME) vs (NY-XA - CME) vs (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME).						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES (NY-E5 - CME) vs ARGUS LLS TRADE MONTH SWAP FUTURES (NY-A4 - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD CALENDAR MONTH SWAP FUTURES (NY-38 - CME) vs ARGUS SOUR CRUDE INDEX ("ASCI") CALENDAR MONTH SWAP FUTURES (NY-37 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			99%	99%
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD TRADE MONTH SWAP FUTURES (NY-36 - CME) vs ARGUS SOUR CRUDE INDEX ("ASCI") TRADE MONTH SWAP FUTURES (NY-29 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME).						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT BULLET SWAP (NY-BY) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT BULLET SWAP (NY-BY) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT CALENDAR SWAP (NY-BK) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME).						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX , BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX, BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME).						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			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 DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
Spread Credit Rate	New	+1:-12			75%	75%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			65%	65%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-YV - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE FUEL OIL 180 CST (PLATTS) 6.35 DUBAI CRACK SPREAD SWAP FUTURES (NY-STS - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) DUBAI CRACK SPREAD SWAP FUTURES (NY-KSD - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) VS. DME OMAN CRUDE OIL SWAP FUTURES (NY-DRK - CME) vs OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME).						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI FINANCIAL FUTURES (NY-HIL - CME) vs WTI HOUSTON (ARGUS) FINANCIAL FUTURES (NY-HIA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI FINANCIAL FUTURES (NY-HIL - CME) vs WTI HOUSTON (ARGUS) FINANCIAL FUTURES (NY-HIA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI MIDLAND (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-WTT - CME) vs WTI MIDLAND (ARGUS) TRADE MONTH FUTURES (NY-WTI - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI FINANCIAL FUTURES (NY-WTA - CME) vs WTS (ARGUS) FINANCIAL FUTURES (NY-WTS - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-FF - CME) vs WTI MIDLAND (ARGUS) FINANCIAL FUTURES (NY-XB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME) vs WTS (ARGUS) FINANCIAL FUTURES (NY-WTS - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
(NY-LLR - CME) vs (NY-XA - CME) vs (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
(NY-LLR - CME) vs (NY-XA - CME) vs (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES (NY-E5 - CME) vs ARGUS LLS TRADE MONTH SWAP FUTURES (NY-A4 - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD CALENDAR MONTH SWAP FUTURES (NY-38 - CME) vs ARGUS SOUR CRUDE INDEX ("ASCI") CALENDAR MONTH SWAP FUTURES (NY-37 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			99%	99%
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD TRADE MONTH SWAP FUTURES (NY-36 - CME) vs ARGUS SOUR CRUDE INDEX ("ASCI") TRADE MONTH SWAP FUTURES (NY-29 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME).						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY) vs BRENT-DUBAI (PLATTS) SWAP FUTURES (NY-DB - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	-1:+1:+1	98%	98%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT BULLET SWAP (NY-BY) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT BULLET SWAP (NY-BY) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
CRUDE OIL FUTURE NYMEX (NY-CL) vs WTI-BRENT CALENDAR SWAP (NY-BK) vs BRENT CALENDAR SWAP (NY-CY)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
MARS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-YV - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME).						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BZ - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME)						
Spread Credit Rate	Increase	-1:+1:+1	97%	97%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:-1	97%	97%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI FINANCIAL FUTURES (NY-HIL - CME) vs WTI HOUSTON (ARGUS) FINANCIAL FUTURES (NY-HIA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI FINANCIAL FUTURES (NY-HIL - CME) vs WTI HOUSTON (ARGUS) FINANCIAL FUTURES (NY-HIA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI HOUSTON (ARGUS) TRADE MONTH FUTURES (NY-HTA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTI MIDLAND (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-WTT - CME) vs WTI MIDLAND (ARGUS) TRADE MONTH FUTURES (NY-WTI - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI FINANCIAL FUTURES (NY-WTA - CME) vs WTS (ARGUS) FINANCIAL FUTURES (NY-WTS - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-FF - CME) vs WTI MIDLAND (ARGUS) FINANCIAL FUTURES (NY-XB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME) vs WTS (ARGUS) FINANCIAL FUTURES (NY-WTS - CME) vs ARGUS WTI TRADE MONTH SWAP FUTURES (NY-V7 - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ELECTRICITY - Inter-commodity Spread Rates						
CIN HUB 5MW DAY AHEAD PEAK (NYM-H5 - CME) vs PJM AEP DAYTON HUB PEAK CALENDAR-MONTH DAY-AHEAD L (NYM-D7 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	60%	60%
CIN HUB 5MW REAL TIME PEAK (NYM-H3 - CME) vs PJM AD HUB 5MW REAL TIME PEAK (NYM-Z9 - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	60%	60%
ISO New England Mass Hub Day-Ahead Off-Peak Calendar-Month 5 MW Futures (NY-H2-CME) vs ISO New England Connecticut Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures (NY-P3-CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	65%	65%
MIDWEST ISO CINERGY HUB 5 MW PEAK CAL REAL-TIME SWAP FUT (NY-H3- CME) vs PJM AEP DAYTON HUB PEAK CAL DA LMP SWAP FUT (NY-D7- CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	51%	51%
PJM AEP DAYTON HUB 5MW PEAK CAL REAL-TIME LMP SWAP FUT (NY-Z9- CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CAL DA SWAP FUT (NY-H5- CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	60%	60%
PJM AEP Dayton Hub Day-Ahead LMP Peak Calendar-Month 5 MW Futures (NY-D7-CME) vs MISO Indiana Hub (formerly Cinergy Hub) Day-Ahead Peak Calendar-Month 5 MW Futures (NY-H5-CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	60%	60%
PJM AEP Dayton Hub Day-Ahead Off-Peak Calendar-Month 5 MW Futures (NY-R7-CME) vs MISO Indiana Hub (formerly Cinergy Hub) 5 Month Peak Calendar-Month Real-Time Futures (NY-H3-CME)						
Spread Credit Rate	Decrease	+16:-1	78%	78%	50%	50%
PJM AEP DAYTON HUB OFF-PEAK CAL DA LMP SWAP FUT (NY-R7- CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CAL REAL-TIME SWAP FUT (NY-H3- CME)						
Spread Credit Rate	Decrease	+16:-1	78%	78%	50%	50%
PJM AEP Dayton Hub Real-Time Off-Peak Calendar-Month 5 MW Futures (NY-V3-CME) vs MISO Indiana Hub (formerly Cinergy Hub) 5 Month Peak Calendar-Month Real-Time Futures (NY-H3-CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	50%	50%
PJM AEP Dayton Hub Real-Time Off-Peak Calendar-Month 5 MW Futures (NY-V3-CME) vs MISO Indiana Hub (formerly Cinergy Hub) Day-Ahead Peak Calendar-Month 5 MW Futures (NY-H5-CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	50%	50%
PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CAL DA SWAP FUT (NY-H5- CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	50%	50%
PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CAL REAL-TIME SWAP FUT (NY-H3- CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ENVIRONMENTAL - Inter-commodity Spread Rates						
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MTF - CME)						
Spread Credit Rate	Increase	+10:-1	0%	0%	50%	50%
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)						
Spread Credit Rate	Increase	+10:-1	0%	0%	44%	44%
Spread Credit Rate	New	+10:-1			45%	45%
Spread Credit Rate	Increase	+10:-1	0%	0%	40%	40%
INTEREST RATES - Inter-commodity Spread Rates						
10 Year Treasury Note (21) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-5	45%	45%	55%	55%
5 Year Note (25) vs. Eurodollar (ED) Tier 01						
Spread Credit Rate	Increase	+2:-1	30%	30%	50%	50%
5 Year Note (25) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-1	50%	50%	60%	60%
U.S. TREASURY BOND (17 - CME) vs EURODOLLAR (ED - CME) TIER 02						
Spread Credit Rate	Increase	+1:-5	20%	20%	50%	50%
U.S. TREASURY BOND (17 - CME) vs EURODOLLAR (ED - CME) TIER 03						
Spread Credit Rate	Increase	+1:-5	30%	30%	50%	50%
U.S. TREASURY BOND (17 - CME) vs EURODOLLAR (ED - CME) TIER 04						
Spread Credit Rate	Increase	+1:-5	55%	55%	60%	60%
METALS - Inter-commodity Spread Rates						
COMEX COPPER (CMX-HG - CME) vs PALLADIUM (NYM-PA - CME)						
Spread Credit Rate	Decrease	+1:-1	20%	20%	0%	0%
COMEX SILVER (CMX-SI - CME) vs PALLADIUM (NYM-PA - CME)						
Spread Credit Rate	Decrease	+1:-2	25%	25%	0%	0%
COPPER FUTURES (CX-HG - CME) vs PALLADIUM FUTURES (NY-PA - CME)						
Spread Credit Rate	Decrease	+1:-1	20%	20%	0%	0%
PLATINUM FUTURES (NYM-PL - CME) vs PALLADIUM (NYM-PA - CME)						
Spread Credit Rate	Decrease	+2:-1	30%	30%	0%	0%

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 PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-12			65%	65%
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	New	+1:-12			45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	New	+1:-12			50%	50%

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 NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			63%	63%
Spread Credit Rate	New	+1:-12			65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-12			45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-12			40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-12			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			70%	70%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+1:-12			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 DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
Spread Credit Rate	New	+1:-12			75%	75%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	New	+1:-12			65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME)						
Spread Credit Rate	New	+1:-12			65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	New	+1:-12			40%	40%
Spread Credit Rate	New	+1:-12			40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			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) vs. MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I)						
Spread Credit Rate	New	+1:-12			40%	40%
Spread Credit Rate	New	+1:-12			40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB)						
Spread Credit Rate	New	+1:-12			40%	40%
Spread Credit Rate	New	+1:-12			40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	New	+1:-12			40%	40%
Spread Credit Rate	New	+1:-12			40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME) vs 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:+1	98%	98%	99%	99%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			35%	35%
Spread Credit Rate	New	+12:-1			50%	50%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			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 PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			35%	35%
MONT BELVIEU PHYSICAL NON-LDH PROPANE (OPIS) FUTURES (NY-3P - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			0%	0%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			55%	55%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			55%	55%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
RBOB GASOLINE FUTURES (NY-RB - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
SINGAPORE NAPHTHA SWAP (NY-SP - CME) vs EURO PROPANE CIF ARA SWAP (NY-PS - CME)						
Spread Credit Rate	New	+1:-12			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL RDAM VS. 1% FUEL OIL NWE (PLATTS) SWAP FUTURES (NY-33 - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME).						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL BARGES FOB RDAM VS. 3.5% FOB MED SPREAD (PLATTS) SWAP FUTURES (NY-FK - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-U						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
CHICAGO ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-5C - CME) vs CHICAGO ULSD (PLATTS) SWAP FUTURES (NY-4C - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-5C - CME) vs CHICAGO ULSD (PLATTS) SWAP FUTURES (NY-4C - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-3C - CME) vs CHICAGO UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-2C - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-3C - CME) vs CHICAGO UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-2C - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EAST-WEST FUEL OIL SPREAD (PLATTS) SWAP FUTURES (NY-EW - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
EUROPEAN 1% FUEL OIL CARGOES FOB MED VS. EUROPEAN 1% FUEL OIL CARGOES FOB NWE SPREAD (PLATTS) SWAP FUTURES (NY-ENS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs EUROPEAN 1% FUEL OIL CARGOES FOB MED (PLATTS)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL (ICE) CALENDAR SWAP (NY-GX) vs GASOIL ARB: SINGAPORE GASOIL (PLATTS) VS. ICE RDAM GASOIL SWAP (NY-GA) vs. SINGAPORE GASOIL (PLATTS) SWAP (NY-SG)						
Spread Credit Rate	Increase	+15:-15:+2	98%	98%	99%	99%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM VS. GASOIL FUTURES SWAP (NY-ET - CME) vs EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM VS. GASOIL FUTURES SWAP (NY-ET - CME) vs EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME).						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX , BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX, BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME).						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME) vs 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:+1	98%	98%	99%	99%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM VS. ICE GASOIL SWAP FUTURES (NY-WQ - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM VS. ICE GASOIL SWAP FUTURES (NY-WQ - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOIL 0.1(PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z5 - CME) vs GASOIL 0.1 (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z4 - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 0.1(PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z5 - CME) vs GASOIL 0.1 (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z4 - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE VS. ICE GASOIL SWAP FUTURES (NY-TP - CME) vs GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE VS. ICE GASOIL SWAP FUTURES (NY-TP - CME) vs GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOLINE EURO-BOB OXY NWE BARGES (ARGUS) VS EUROPEAN NAPHTHA CIF NWE (PLATTS) FUTURES (NY-EGN - CME) vs 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	Increase	+1:-1:+1	95%	95%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs HEATING OIL FINANCIAL FUTURES (NY-BH - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-A8 - CME) vs GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-A8 - CME) vs GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST CBOB GASOLINE A2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-CRB - CME) vs GULF COAST CBOB GASOLINE A2 (PLATTS) SWAP FUTURES (NY-CRG - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST CBOB GASOLINE A2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-CRB - CME) vs GULF COAST CBOB GASOLINE A2 (PLATTS) SWAP FUTURES (NY-CRG - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 2 (PLATTS) UP-DOWN CALENDAR SWAP FUTURES (NY-UT - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 2 (PLATTS) UP-DOWN CALENDAR SWAP FUTURES (NY-UT - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL 3.0% VS. EUROPEAN 3.5% FUEL OIL BARGES FOB RDAM (PLATTS) SWAP FUTURES (NY-GCU - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (						
Spread Credit Rate	Increase	-19:+19:-3	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST UNL 87 GASOLINE M2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-RVG - CME) vs GULF COAST UNL 87 GASOLINE M2 (PLATTS) SWAP FUTURES (NY-GCM - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST UNL 87 GASOLINE M2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-RVG - CME) vs GULF COAST UNL 87 GASOLINE M2 (PLATTS) SWAP FUTURES (NY-GCM - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED VS. ICE GASOIL SWAP FUTURES (NY-1V - CME) vs 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:+1	98%	98%	99%	99%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED VS. ICE GASOIL SWAP FUTURES (NY-1V - CME) vs JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET CARGOES (PLATTS) CIF NWE VS. GASOIL FUTURES SWAP (NY-JC - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET CARGOES (PLATTS) CIF NWE VS. GASOIL FUTURES SWAP (NY-JC - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARB DIESEL (OPIS) SPREAD SWAP FUTURES (NY-KL - CME) vs LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LOS ANGELES CARB DIESEL (OPIS) SPREAD SWAP FUTURES (NY-KL - CME) vs LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARBOB GASOLINE (OPIS) SPREAD SWAP FUTURES (NY-JL - CME) vs LOS ANGELES CARBOB GASOLINE (OPIS) SWAP FUTURES (NY-MH - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARBOB GASOLINE (OPIS) SPREAD SWAP FUTURES (NY-JL - CME) vs LOS ANGELES CARBOB GASOLINE (OPIS) SWAP FUTURES (NY-MH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES JET (OPIS) SPREAD SWAP FUTURES (NY-JS - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES JET (OPIS) SPREAD SWAP FUTURES (NY-JS - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NEW YORK FUEL OIL 1.0% VS. EUROPEAN 1% FUEL OIL CARGOES FOB NWE (PLATTS) SWAP FUTURES (NY-NYF - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NORTHWEST EUROPE FUEL OIL HIGH-LOW SULFUR SPREAD (PLATTS) SWAP FUTURES (NY-FS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY 1% FUEL OIL VS. GULF COAST 3% FUEL OIL SPREAD (PLATTS) SWAP FUTURES (NY-VR - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY 3.0% FUEL OIL VS. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-FOC - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME) vs RBOB GAS VS EUROBOB(ARGUS) NWE BRGS (NYM-EXR - CME)						
Spread Credit Rate	Increase	+25:-3:-3	98%	98%	99%	99%
NY HEATING OIL (PLATTS) VS. NYMEX HEATING OIL SWAP FUTURES (NY-YH - CME) vs NY HEATING OIL (PLATTS) SWAP FUTURES (NY-YF - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY HEATING OIL (PLATTS) VS. NYMEX HEATING OIL SWAP FUTURES (NY-YH - CME) vs NY HEATING OIL (PLATTS) SWAP FUTURES (NY-YF - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY RBOB (PLATTS) VS. NYMEX RBOB GASOLINE SPREAD SWAP FUTURES (NY-RI - CME) vs NY RBOB (PLATTS) CALENDAR SWAP FUTURES (NY-RY - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY RBOB (PLATTS) VS. NYMEX RBOB GASOLINE SPREAD SWAP FUTURES (NY-RI - CME) vs NY RBOB (PLATTS) CALENDAR SWAP FUTURES (NY-RY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (ARGUS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-7Y - CME) vs NY ULSD (ARGUS) SWAP FUTURES (NY-5Y - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (ARGUS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-7Y - CME) vs NY ULSD (ARGUS) SWAP FUTURES (NY-5Y - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (PLATTS) VS. NYMEX HEATING OIL SPREAD SWAP FUTURES (NY-UY - CME) vs NY ULSD (PLATTS) SWAP FUTURES (NY-YS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (PLATTS) VS. NYMEX HEATING OIL SPREAD SWAP FUTURES (NY-UY - CME) vs NY ULSD (PLATTS) SWAP FUTURES (NY-YS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB Calendar Swap (RL) vs. RBOB vs Heating Oil Swap (RH) vs Heating Oil Calendar Swap (MP)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs RBOB GASOLINE VS. EURO-BOB OXY (ARGUS) NWE BARGES (1000MT) SWAP FUTURES (NY-EXR - CME)						
Spread Credit Rate	Increase	+25:-3:-3	98%	98%	99%	99%
RBOB GASOLINE VS. EURO-BOB OXY (ARGUS) NWE BARGES (1000MT) SWAP FUTURES (NY-EXR - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES CRACK SPREAD SWAP FUTURES (NY-7K - CME) vs RBOB GASOLINE VS. BRENT CRACK SPREAD SWAP FUTURES (NY-RBB - CME)						
Spread Credit Rate	Increase	+3:+25:-25	98%	98%	99%	99%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE FUEL OIL 180 CST (PLATTS) 6.35 DUBAI CRACK SPREAD SWAP FUTURES (NY-STS - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 180 CST VS. 380 CST SPREAD (PLATTS) SWAP FUTURES (NY-SD - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs SINGAPORE GASOIL 10 PPM (PLATTS) SWAP FUTURES (NY-STF - CME) vs SINGAPORE GASOIL 10 PPM VS 0.5% SULFUR SPREAD (PLATTS) SWAP FUTURES (NY-STZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES (NY-GA - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:-15:+2	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) DUBAI CRACK SPREAD SWAP FUTURES (NY-KSD - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) VS. DME OMAN CRUDE OIL SWAP FUTURES (NY-DRK - CME) vs OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 95 UNLEADED VS. SINGAPORE MOGAS 92 UNLEADED SPREAD (PLATTS) (NY-SMU - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
ULSD 10PPM (PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z7 - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ULSD 10PPM (PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z7 - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

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 FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL (PLATTS) CARGOES FOB NWE CRACK SPREAD SWAP FUTURES (NY-FI - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+33:-5:+33	98%	98%	99%	99%
1% FUEL OIL RDAM VS. 1% FUEL OIL NWE (PLATTS) SWAP FUTURES (NY-33 - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME).						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CRACK SPREAD SWAP FUTURES (NY-FO - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
3.5% FUEL OIL BARGES FOB RDAM VS. 3.5% FOB MED SPREAD (PLATTS) SWAP FUTURES (NY-FK - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) CARGOES FOB MED CALENDAR SWAP FUTURES (NY-UI - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-U						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	New	+1:-12			50%	50%

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 NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-12			55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs JAPAN C&F NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-JB - CME)						
Spread Credit Rate	Increase	+9:-1:+9	98%	98%	99%	99%
CHICAGO ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-5C - CME) vs CHICAGO ULSD (PLATTS) SWAP FUTURES (NY-4C - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-5C - CME) vs CHICAGO ULSD (PLATTS) SWAP FUTURES (NY-4C - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-3C - CME) vs CHICAGO UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-2C - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
CHICAGO UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-3C - CME) vs CHICAGO UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-2C - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EAST-WEST FUEL OIL SPREAD (PLATTS) SWAP FUTURES (NY-EW - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
EUROPEAN 1% FUEL OIL CARGOES FOB MED VS. EUROPEAN 1% FUEL OIL CARGOES FOB NWE SPREAD (PLATTS) SWAP FUTURES (NY-ENS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs EUROPEAN 1% FUEL OIL CARGOES FOB MED (PLATTS)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL (ICE) CALENDAR SWAP (NY-GX) vs GASOIL ARB: SINGAPORE GASOIL (PLATTS) VS. ICE RDAM GASOIL SWAP (NY-GA) vs. SINGAPORE GASOIL (PLATTS) SWAP (NY-SG)						
Spread Credit Rate	Increase	+15:-15:+2	98%	98%	99%	99%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM VS. GASOIL FUTURES SWAP (NY-ET - CME) vs EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM VS. GASOIL FUTURES SWAP (NY-ET - CME) vs EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME).						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX , BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX, BG)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:+15:-2	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME).						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN NAPHTHA (PLATTS) CRACK SPREAD SWAP FUTURES (NY-EN - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB, BZ, CY) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:+9:-1	98%	98%	99%	99%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	New	+1:-12			65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME)						
Spread Credit Rate	New	+1:-12			65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-12			35%	35%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			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) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	New	+1:-12			55%	55%
Spread Credit Rate	New	+1:-12			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	New	+1:-12			40%	40%
Spread Credit Rate	New	+1:-12			40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	New	+1:-12			60%	60%
Spread Credit Rate	New	+1:-12			60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME) vs 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:+1	98%	98%	99%	99%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM VS. ICE GASOIL SWAP FUTURES (NY-WQ - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM VS. ICE GASOIL SWAP FUTURES (NY-WQ - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 0.1(PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z5 - CME) vs GASOIL 0.1 (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z4 - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 0.1(PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z5 - CME) vs GASOIL 0.1 (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z4 - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE VS. ICE GASOIL SWAP FUTURES (NY-TP - CME) vs GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE VS. ICE GASOIL SWAP FUTURES (NY-TP - CME) vs GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOLINE EURO-BOB OXY NWE BARGES (ARGUS) VS EUROPEAN NAPHTHA CIF NWE (PLATTS) FUTURES (NY-EGN - CME) vs 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	Increase	+1:-1:+1	95%	95%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs HEATING OIL FINANCIAL FUTURES (NY-BH - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-A8 - CME) vs GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GROUP THREE UNLEADED GASOLINE (PLATTS) VS. RBOB GASOLINE SPREAD SWAP FUTURES (NY-A8 - CME) vs GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST CBOB GASOLINE A2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-CRB - CME) vs GULF COAST CBOB GASOLINE A2 (PLATTS) SWAP FUTURES (NY-CRG - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST CBOB GASOLINE A2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-CRB - CME) vs GULF COAST CBOB GASOLINE A2 (PLATTS) SWAP FUTURES (NY-CRG - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 2 (PLATTS) UP-DOWN CALENDAR SWAP FUTURES (NY-UT - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST NO. 2 (PLATTS) UP-DOWN CALENDAR SWAP FUTURES (NY-UT - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO. 6 FUEL OIL 3.0% VS. EUROPEAN 3.5% FUEL OIL BARGES FOB RDAM (PLATTS) SWAP FUTURES (NY-GCU - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (						
Spread Credit Rate	Increase	-19:+19:-3	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST ULSD (PLATTS) CRACK SPREAD SWAP FUTURES (NY-GY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
GULF COAST UNL 87 GASOLINE M2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-RVG - CME) vs GULF COAST UNL 87 GASOLINE M2 (PLATTS) SWAP FUTURES (NY-GCM - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
GULF COAST UNL 87 GASOLINE M2 (PLATTS) VS. RBOB SPREAD SWAP FUTURES (NY-RVG - CME) vs GULF COAST UNL 87 GASOLINE M2 (PLATTS) SWAP FUTURES (NY-GCM - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED VS. ICE GASOIL SWAP FUTURES (NY-1V - CME) vs 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:+1	98%	98%	99%	99%
JET AVIATION FUEL (PLATTS) CARGOES FOB MED VS. ICE GASOIL SWAP FUTURES (NY-1V - CME) vs JET AVIATION FUEL (PLATTS) CARGOES FOB MED SWAP FUTURES (NY-1T - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET CARGOES (PLATTS) CIF NWE VS. GASOIL FUTURES SWAP (NY-JC - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
JET CARGOES (PLATTS) CIF NWE VS. GASOIL FUTURES SWAP (NY-JC - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			35%	35%
Spread Credit Rate	New	+12:-1			50%	50%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
LOS ANGELES CARB DIESEL (OPIS) SPREAD SWAP FUTURES (NY-KL - CME) vs LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LOS ANGELES CARB DIESEL (OPIS) SPREAD SWAP FUTURES (NY-KL - CME) vs LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARBOB GASOLINE (OPIS) SPREAD SWAP FUTURES (NY-JL - CME) vs LOS ANGELES CARBOB GASOLINE (OPIS) SWAP FUTURES (NY-MH - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES CARBOB GASOLINE (OPIS) SPREAD SWAP FUTURES (NY-JL - CME) vs LOS ANGELES CARBOB GASOLINE (OPIS) SWAP FUTURES (NY-MH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES JET (OPIS) SPREAD SWAP FUTURES (NY-JS - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
LOS ANGELES JET (OPIS) SPREAD SWAP FUTURES (NY-JS - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	90%	90%
NEW YORK FUEL OIL 1.0% VS. EUROPEAN 1% FUEL OIL CARGOES FOB NWE (PLATTS) SWAP FUTURES (NY-NYF - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			55%	55%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
NEW YORK HARBOR ULTRA-LOW SULFUR DIESEL (ULSD) FUTURES (NY-LH - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			55%	55%
NORTHWEST EUROPE FUEL OIL HIGH-LOW SULFUR SPREAD (PLATTS) SWAP FUTURES (NY-FS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY 1% FUEL OIL VS. GULF COAST 3% FUEL OIL SPREAD (PLATTS) SWAP FUTURES (NY-VR - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 3.0% FUEL OIL VS. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-FOC - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME) vs RBOB GAS VS EUROBOB(ARGUS) NWE BRGS (NYM-EXR - CME)						
Spread Credit Rate	Increase	+25:-3:-3	98%	98%	99%	99%
NY HEATING OIL (PLATTS) VS. NYMEX HEATING OIL SWAP FUTURES (NY-YH - CME) vs NY HEATING OIL (PLATTS) SWAP FUTURES (NY-YF - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY HEATING OIL (PLATTS) VS. NYMEX HEATING OIL SWAP FUTURES (NY-YH - CME) vs NY HEATING OIL (PLATTS) SWAP FUTURES (NY-YF - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY RBOB (PLATTS) VS. NYMEX RBOB GASOLINE SPREAD SWAP FUTURES (NY-RI - CME) vs NY RBOB (PLATTS) CALENDAR SWAP FUTURES (NY-RY - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY RBOB (PLATTS) VS. NYMEX RBOB GASOLINE SPREAD SWAP FUTURES (NY-RI - CME) vs NY RBOB (PLATTS) CALENDAR SWAP FUTURES (NY-RY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (ARGUS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-7Y - CME) vs NY ULSD (ARGUS) SWAP FUTURES (NY-5Y - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (ARGUS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-7Y - CME) vs NY ULSD (ARGUS) SWAP FUTURES (NY-5Y - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (PLATTS) VS. NYMEX HEATING OIL SPREAD SWAP FUTURES (NY-UY - CME) vs NY ULSD (PLATTS) SWAP FUTURES (NY-YS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
NY ULSD (PLATTS) VS. NYMEX HEATING OIL SPREAD SWAP FUTURES (NY-UY - CME) vs NY ULSD (PLATTS) SWAP FUTURES (NY-YS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB Calendar Swap (RL) vs. RBOB vs Heating Oil Swap (RH) vs Heating Oil Calendar Swap (MP)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs RBOB GASOLINE VS. EURO-BOB OXY (ARGUS) NWE BARGES (1000MT) SWAP FUTURES (NY-EXR - CME)						
Spread Credit Rate	Increase	+25:-3:-3	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RBOB GASOLINE FUTURES (NY-RB - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			65%	65%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
RBOB GASOLINE VS. HEATING OIL SWAP FUTURES (NY-RH - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE FUEL OIL 180 CST (PLATTS) 6.35 DUBAI CRACK SPREAD SWAP FUTURES (NY-STS - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+19:-3:+19	98%	98%	99%	99%
SINGAPORE FUEL OIL 180 CST VS. 380 CST SPREAD (PLATTS) SWAP FUTURES (NY-SD - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs SINGAPORE GASOIL 10 PPM (PLATTS) SWAP FUTURES (NY-STF - CME) vs SINGAPORE GASOIL 10 PPM VS 0.5% SULFUR SPREAD (PLATTS) SWAP FUTURES (NY-STZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES (NY-GA - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:-15:+2	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) DUBAI CRACK SPREAD SWAP FUTURES (NY-KSD - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE JET KEROSENE (PLATTS) VS. DME OMAN CRUDE OIL SWAP FUTURES (NY-DRK - CME) vs OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES (NY-1NB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
SINGAPORE MOGAS 95 UNLEADED VS. SINGAPORE MOGAS 92 UNLEADED SPREAD (PLATTS) (NY-SMU - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME)						
Spread Credit Rate	Increase	+1:+1:-1	98%	98%	99%	99%
SINGAPORE NAPHTHA SWAP (NY-SP - CME) vs EURO PROPANE CIF ARA SWAP (NY-PS - CME)						
Spread Credit Rate	New	+1:-12			70%	70%
ULSD 10PPM (PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z7 - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%
ULSD 10PPM (PLATTS) CIF MED VS. ICE GASOIL SWAP FUTURES (NY-Z7 - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+1:-1:+1	98%	98%	99%	99%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
EQUITY INDEX - Volatility Scan (volScan) Rate						
E-MICRO NIFTY FIFTY (II) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
E-MINI REAL ESTATE SELECT SECTOR FUTURES (XAR, XRI, XRT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
FTSE EMERGING INDEX FUTURES (EI) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P 500 ANNUAL DIVIDEND INDEX FUTURES (SDA) - volScan						
Clearing Member Rate	Month 6	Decrease		0.070		0.035
Clearing Member Rate	Month 7	Decrease		0.070		0.035
Clearing Member Rate	Month 8+	Decrease		0.070		0.035
Clearing Member Rate	Month 3	Decrease		0.070		0.035
Clearing Member Rate	Month 4	Decrease		0.070		0.035
Clearing Member Rate	Month 5	Decrease		0.070		0.035
Clearing Member Rate	Month 1	Decrease		0.070		0.035
Clearing Member Rate	Month 2	Decrease		0.070		0.035
S&P 500 QUARTERLY DIVIDEND INDEX FUTURES (SDI) - volScan						
Clearing Member Rate	Months 2-4	Decrease		0.070		0.035
Clearing Member Rate	Month 1	Decrease		0.070		0.035
Clearing Member Rate	Month 5+	Decrease		0.070		0.035
S&P 500 VALUE (7W, SU, SU, SUT, TST, Y91) - volScan						
Clearing Member Rate		Decrease		0.050		0.040
S&P SELECT SECTOR - CONSUMER DISCRETIONARY (1YT, XAY, XYT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - CONSUMER STAPLES (1PT, XAP, XPT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - ENERGY (1ET, XAE, XET) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - FINANCIAL (1FT, XAF, XFT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - HEALTH CARE (1VT, XAV, XVT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - INDUSTRIAL (1IT, XAI, XIT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - MATERIALS (1BT, XAB, XBT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - TECHNOLOGY (1KT, XAK, XKT) - volScan						
Clearing Member Rate		Decrease		0.070		0.035
S&P SELECT SECTOR - UTILITIES (1UT, XAU, XUT) - volScan						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate		Decrease		0.060		0.035