



22-125

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, March 31, 2022

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. Please email any questions to Clearing.RiskManagement@cmegroup.com.

The rates will be effective after the close of business on

Friday, April 1, 2022.

Current rates as of:

Thursday, March 31, 2022.

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
Outright Rates								
AGRICULTURE - Outright Rates								
CLASS IV MILK FUTURE (DK)								
DK	Non-HRP	Months 6-9	Increase	USD	1,250	1,250	1,350	1,350
DK	HRP	Months 6-9	Increase	USD	1,375	1,250	1,485	1,350
DK	Non-HRP	Months 10-14	Increase	USD	1,200	1,200	1,300	1,300
DK	HRP	Months 10-14	Increase	USD	1,320	1,200	1,430	1,300
DK	Non-HRP	Months 15+	Increase	USD	1,200	1,200	1,300	1,300
DK	HRP	Months 15+	Increase	USD	1,320	1,200	1,430	1,300
CME DRY WHEY FUTURES (DY)								
DY	Non-HRP	Months 3-6	Increase	USD	1,500	1,500	1,725	1,725
DY	HRP	Months 3-6	Increase	USD	1,650	1,500	1,898	1,725
DY	Non-HRP	Months 7-12	Increase	USD	1,500	1,500	1,725	1,725
DY	HRP	Months 7-12	Increase	USD	1,650	1,500	1,898	1,725
MAP CFR BRAZIL FUTURES (MFC)								
MFC	Non-HRP	Mnth 1	Increase	USD	7,500	7,500	8,000	8,000
MFC	HRP	Mnth 1	Increase	USD	7,500	7,500	8,000	8,000
MFC	Non-HRP	Mnth 2+	Increase	USD	7,500	7,500	8,000	8,000
MFC	HRP	Mnth 2+	Increase	USD	7,500	7,500	8,000	8,000
UREA (GRANULAR) FOB EGYPT FUTURES (UFE)								
UFE	Non-HRP		Increase	USD	13,000	13,000	16,000	16,000
UFE	HRP		Increase	USD	14,300	13,000	17,600	16,000

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

CRUDE OIL - Outright Rates

WTI (ARGUS) TRADE MONTH FUT (V7)

V7	Non-HRP	Mnth 1	Increase	USD	7,750	7,750	8,600	8,600
V7	HRP	Mnth 1	Increase	USD	8,525	7,750	9,460	8,600
V7	Non-HRP	Mnth 2	Increase	USD	7,650	7,650	8,500	8,500
V7	HRP	Mnth 2	Increase	USD	8,415	7,650	9,350	8,500
V7	Non-HRP	Mnth 3-6	Increase	USD	7,450	7,450	8,250	8,250
V7	HRP	Mnth 3-6	Increase	USD	8,195	7,450	9,075	8,250
V7	Non-HRP	Mnth 7-9	Increase	USD	6,850	6,850	7,550	7,550
V7	HRP	Mnth 7-9	Increase	USD	7,535	6,850	8,305	7,550

WTI HOUSTON (ARGUS) FINANCIAL FUT (HIA)

HIA	Non-HRP		Increase	USD	7,200	7,200	8,500	8,500
HIA	HRP		Increase	USD	7,920	7,200	9,350	8,500

WTI HOUSTON (ARGUS) TRADE MONTH FUT (HTA)

HTA	Non-HRP		Increase	USD	7,500	7,500	8,500	8,500
HTA	HRP		Increase	USD	8,250	7,500	9,350	8,500

WTI MIDLAND (ARGUS) TRADE MONTH FUT (WTI)

WTI	Non-HRP	Mnth 1	Increase	USD	7,800	7,800	8,500	8,500
WTI	HRP	Mnth 1	Increase	USD	8,580	7,800	9,350	8,500
WTI	Non-HRP	Mnth 2	Increase	USD	7,750	7,750	8,450	8,450
WTI	HRP	Mnth 2	Increase	USD	8,525	7,750	9,295	8,450
WTI	Non-HRP	Mnths 3-6	Increase	USD	7,500	7,500	8,000	8,000
WTI	HRP	Mnths 3-6	Increase	USD	8,250	7,500	8,800	8,000

WTS (ARGUS) FINANCIAL FUTURES (WTS)

WTS	Non-HRP	Mnth 1	Increase	USD	7,800	7,800	8,600	8,600
WTS	HRP	Mnth 1	Increase	USD	8,580	7,800	9,460	8,600
WTS	Non-HRP	Mnth 2	Increase	USD	7,600	7,600	8,500	8,500
WTS	HRP	Mnth 2	Increase	USD	8,360	7,600	9,350	8,500
WTS	Non-HRP	Mnths 3-6	Increase	USD	7,500	7,500	8,400	8,400
WTS	HRP	Mnths 3-6	Increase	USD	8,250	7,500	9,240	8,400

CRUDE OIL SPREADS - Outright Rates

DATED BRENT VS. BRENT FIRST MO FUT (6W)

6W	Non-HRP		Increase	USD	1,750	1,750	2,400	2,400
6W	HRP		Increase	USD	1,925	1,750	2,640	2,400

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

DME Products - Outright Rates

DUBAI CRUDE OIL (PLATTS) BALMO FUT (DDI)

DDI	Non-HRP	All Months	Increase	USD	5,000	5,000	7,500	7,500
DDI	HRP	All Months	Increase	USD	5,500	5,000	8,250	7,500

DUBAI CRUDE OIL S&P PLATTS DLY MARKER (DM2)

DM2	Non-HRP	All Months	Increase	USD	5,000	5,000	7,500	7,500
DM2	HRP	All Months	Increase	USD	5,500	5,000	8,250	7,500

DUBAI CRUDE OIL S&P PLATTS BALMO TAPS (DDT)

DDT	Non-HRP	All Months	Increase	USD	5,000	5,000	7,500	7,500
DDT	HRP	All Months	Increase	USD	5,500	5,000	8,250	7,500

FX - Outright Rates

CZECH KORUNA/EURO CROSS RATE FUT (K)

K	Non-HRP	Increase	EUR	3,100	3,100	3,500	3,500
K	HRP	Increase	EUR	3,410	3,100	3,850	3,500

EURO FX/JY FUTURE (RY)

RY	Non-HRP	Increase	JPY	360,000	360,000	400,000	400,000
RY	HRP	Increase	JPY	396,000	360,000	440,000	400,000

EURO ¥ RENMINBI FUTURE (RME)

RME	Non-HRP	Increase	EUR	3,600	3,600	4,300	4,300
RME	HRP	Increase	EUR	3,960	3,600	4,730	4,300

HUNGARIAN FORINT/EUR CROSS RATE FUT (R)

R	Non-HRP	Increase	EUR	2,400	2,400	2,900	2,900
R	HRP	Increase	EUR	2,640	2,400	3,190	2,900

POLISH ZLOTY/EURO CROSS RATE FUT (Z)

Z	Non-HRP	Increase	EUR	3,000	3,000	3,600	3,600
Z	HRP	Increase	EUR	3,300	3,000	3,960	3,600

SFJY FUTURES (SJ)

SJ	Non-HRP	Increase	JPY	800,000	800,000	880,000	880,000
SJ	HRP	Increase	JPY	880,000	800,000	968,000	880,000

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								
10 YR TREA NOTE TAS FUTURES (ZNS)								
ZNS	Non-HRP		Increase	USD	1,600	1,600	1,700	1,700
ZNS	HRP		Increase	USD	1,760	1,600	1,870	1,700
10Y TREASURY NOTE FUTURES (21)								
21	Non-HRP		Increase	USD	1,600	1,600	1,700	1,700
21	HRP		Increase	USD	1,760	1,600	1,870	1,700
2 YEAR TAS FUTURES (ZTT)								
ZTT	Non-HRP	Mnth 1	Increase	USD	840	840	900	900
ZTT	HRP	Mnth 1	Increase	USD	924	840	990	900
ZTT	Non-HRP	Mnths 2+	Increase	USD	910	910	950	950
ZTT	HRP	Mnths 2+	Increase	USD	1,001	910	1,045	950
2 YEAR TREASURY NOTE FUTURES (26)								
26	Non-HRP	Mnth 1	Increase	USD	840	840	900	900
26	HRP	Mnth 1	Increase	USD	924	840	990	900
26	Non-HRP	Mnths 2+	Increase	USD	910	910	950	950
26	HRP	Mnths 2+	Increase	USD	1,001	910	1,045	950
3 YEAR TREASURY NOTE FUTURE (3YR)								
3YR	Non-HRP		Increase	USD	1,300	1,300	1,400	1,400
3YR	HRP		Increase	USD	1,430	1,300	1,540	1,400
5 YEAR TAS FUTURES (ZFT)								
ZFT	Non-HRP	All Months	Increase	USD	1,050	1,050	1,200	1,200
ZFT	HRP	All Months	Increase	USD	1,155	1,050	1,320	1,200
5 YR TREASURY NOTE FUTURES (25)								
25	Non-HRP	All Months	Increase	USD	1,050	1,050	1,200	1,200
25	HRP	All Months	Increase	USD	1,155	1,050	1,320	1,200
ONE MONTH EURODOLLAR FUTURES (EM)								
EM	Non-HRP	Mnth 5+	Increase	USD	560	560	625	625
EM	HRP	Mnth 5+	Increase	USD	616	560	688	625
ULTRA 10-YEAR U S TREASURY NOTE FUT (TN)								
TN	Non-HRP		Increase	USD	2,450	2,450	2,600	2,600
TN	HRP		Increase	USD	2,695	2,450	2,860	2,600
ULTRA 10-YR U S TREA TAS FUT (TNT)								
TNT	Non-HRP		Increase	USD	2,450	2,450	2,600	2,600
TNT	HRP		Increase	USD	2,695	2,450	2,860	2,600

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

PETROLEUM CRACKS AND SPREADS - Outright Rates

EURO 3.5% FUEL OIL SPREAD (FK)

FK	Non-HRP	Mnths 4-11	Increase	USD	1,500	1,500	2,250	2,250
FK	HRP	Mnths 4-11	Increase	USD	1,650	1,500	2,475	2,250
FK	Non-HRP	Mnths 12+	Increase	USD	1,400	1,400	1,800	1,800
FK	HRP	Mnths 12+	Increase	USD	1,540	1,400	1,980	1,800

FUELOIL FUT:CARGOES VS.BARGES (FS)

FS	Non-HRP	Mnths 9-11	Increase	USD	7,500	7,500	9,500	9,500
FS	HRP	Mnths 9-11	Increase	USD	8,250	7,500	10,450	9,500
FS	Non-HRP	Mnths 12+	Increase	USD	6,750	6,750	8,750	8,750
FS	HRP	Mnths 12+	Increase	USD	7,425	6,750	9,625	8,750

GLFCST ULSD ARGUS UP/DN BALMO FUT (GUD)

GUD	Non-HRP		Increase	USD	1,150	1,150	1,700	1,700
GUD	HRP		Increase	USD	1,265	1,150	1,870	1,700

JET BARGES VS. ICE GASOIL FUT (JR)

JR	Non-HRP	Mnth 1	Increase	USD	8,000	8,000	11,200	11,200
JR	HRP	Mnth 1	Increase	USD	8,800	8,000	12,320	11,200
JR	Non-HRP	Mnth 2	Increase	USD	7,750	7,750	11,000	11,000
JR	HRP	Mnth 2	Increase	USD	8,525	7,750	12,100	11,000
JR	Non-HRP	Mnth 3+	Increase	USD	7,500	7,500	10,500	10,500
JR	HRP	Mnth 3+	Increase	USD	8,250	7,500	11,550	10,500

JET FUEL BRG FOB RDM V ICE BLM (9Q)

9Q	Non-HRP		Increase	USD	6,800	6,800	8,000	8,000
9Q	HRP		Increase	USD	7,480	6,800	8,800	8,000

MIN JET KERO BRGES FOB RDAM VS GSL (MJB)

MJB	Non-HRP	Mnth 1	Increase	USD	800	800	1,120	1,120
MJB	HRP	Mnth 1	Increase	USD	880	800	1,232	1,120
MJB	Non-HRP	Mnth 2	Increase	USD	775	775	1,100	1,100
MJB	HRP	Mnth 2	Increase	USD	853	775	1,210	1,100
MJB	Non-HRP	Mnth 3+	Increase	USD	750	750	1,050	1,050
MJB	HRP	Mnth 3+	Increase	USD	825	750	1,155	1,050

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MIN ULSD 10PPM CRGS CIF NWE VS GSL (MGN)								
MGN	Non-HRP	Mnth 1	Increase	USD	330	330	430	430
MGN	HRP	Mnth 1	Increase	USD	363	330	473	430
MGN	Non-HRP	Mnth 2	Increase	USD	320	320	425	425
MGN	HRP	Mnth 2	Increase	USD	352	320	468	425
MGN	Non-HRP	Mnths 3-4	Increase	USD	210	210	315	315
MGN	HRP	Mnths 3-4	Increase	USD	231	210	347	315
MGN	Non-HRP	Mnths 5+	Increase	USD	150	150	225	225
MGN	HRP	Mnths 5+	Increase	USD	165	150	248	225
NY BUCKEYE JET FUEL V. NY HR BALMO (JTB)								
JTB	Non-HRP		Increase	USD	1,750	1,750	2,500	2,500
JTB	HRP		Increase	USD	1,925	1,750	2,750	2,500
NY BUCKEYE JET FUEL VS NY HARB ULSD (JET)								
JET	Non-HRP	Mnth 1	Increase	USD	4,600	4,600	5,750	5,750
JET	HRP	Mnth 1	Increase	USD	5,060	4,600	6,325	5,750
JET	Non-HRP	Mnth 2	Increase	USD	4,100	4,100	5,700	5,700
JET	HRP	Mnth 2	Increase	USD	4,510	4,100	6,270	5,700
JET	Non-HRP	Mnths 3+	Increase	USD	4,000	4,000	5,200	5,200
JET	HRP	Mnths 3+	Increase	USD	4,400	4,000	5,720	5,200
NY ULSD VS. NY HRBR ULSD FUT (7Y)								
7Y	Non-HRP	Mnth 1	Increase	USD	2,000	2,000	2,550	2,550
7Y	HRP	Mnth 1	Increase	USD	2,200	2,000	2,805	2,550
7Y	Non-HRP	Mnth 2	Increase	USD	1,975	1,975	2,500	2,500
7Y	HRP	Mnth 2	Increase	USD	2,173	1,975	2,750	2,500
SING GAS 500 PPM (PLATTS) VS. LOW S (SGG)								
SGG	Non-HRP	Mnth 1	Increase	USD	1,825	1,825	2,725	2,725
SGG	HRP	Mnth 1	Increase	USD	2,008	1,825	2,998	2,725
SGG	Non-HRP	Mnth 2	Increase	USD	1,800	1,800	2,700	2,700
SGG	HRP	Mnth 2	Increase	USD	1,980	1,800	2,970	2,700
SGG	Non-HRP	Mnths 3-6	Increase	USD	1,500	1,500	1,800	1,800
SGG	HRP	Mnths 3-6	Increase	USD	1,650	1,500	1,980	1,800
SGG	Non-HRP	Mnths 6+	Increase	USD	1,400	1,400	1,750	1,750
SGG	HRP	Mnths 6+	Increase	USD	1,540	1,400	1,925	1,750
ULSD 10PPM CIF V. ICE GAS BLMO (7V)								
7V	Non-HRP		Increase	USD	3,000	3,000	4,500	4,500
7V	HRP		Increase	USD	3,300	3,000	4,950	4,500

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

ULSD 10PPM V. ICE FUT (TP)

TP	Non-HRP	Mnth 1	Increase	USD	3,300	3,300	4,300	4,300
TP	HRP	Mnth 1	Increase	USD	3,630	3,300	4,730	4,300
TP	Non-HRP	Mnth 2	Increase	USD	3,200	3,200	4,250	4,250
TP	HRP	Mnth 2	Increase	USD	3,520	3,200	4,675	4,250
TP	Non-HRP	Mnths 3-4	Increase	USD	2,100	2,100	3,150	3,150
TP	HRP	Mnths 3-4	Increase	USD	2,310	2,100	3,465	3,150
TP	Non-HRP	Mnths 5+	Increase	USD	1,500	1,500	2,250	2,250
TP	HRP	Mnths 5+	Increase	USD	1,650	1,500	2,475	2,250

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

REFINED PRODUCTS - Outright Rates

1% FUEL OIL (PLT) CARG CIF MED (1W)

1W	Non-HRP	Mth 1	Increase	USD	52,000	52,000	62,000	62,000
1W	HRP	Mth 1	Increase	USD	57,200	52,000	68,200	62,000
1W	Non-HRP	Mths 2+	Increase	USD	50,000	50,000	60,000	60,000
1W	HRP	Mths 2+	Increase	USD	55,000	50,000	66,000	60,000

1% FUEL OIL PLATTS CIF BALMO FUT (FOB)

FOB	Non-HRP		Increase	USD	36,000	36,000	50,000	50,000
FOB	HRP		Increase	USD	39,600	36,000	55,000	50,000

1% FUEL OIL PLATTS FOB BALMO FUT (FOM)

FOM	Non-HRP		Increase	USD	32,500	32,500	46,000	46,000
FOM	HRP		Increase	USD	35,750	32,500	50,600	46,000

3.5% FUEL OIL CID MED FUT (7D)

7D	Non-HRP		Increase	USD	45,000	45,000	55,000	55,000
7D	HRP		Increase	USD	49,500	45,000	60,500	55,000

3.5% FUEL OIL CIF BALMO FUT (8D)

8D	Non-HRP		Increase	USD	37,000	37,000	51,500	51,500
8D	HRP		Increase	USD	40,700	37,000	56,650	51,500

CHICAGO ULSD (PLATTS) FUT (4C)

4C	Non-HRP		Increase	USD	7,500	7,500	10,500	10,500
4C	HRP		Increase	USD	8,250	7,500	11,550	10,500

CHICAGO UNLEADED GAS(PLATTS) S (2C)

2C	Non-HRP		Increase	USD	8,500	8,500	10,500	10,500
2C	HRP		Increase	USD	9,350	8,500	11,550	10,500

DALY EURO 1% FOIL CGOES FOB NWE FUT (FCN)

FCN	Non-HRP		Increase	USD	3,000	3,000	4,500	4,500
FCN	HRP		Increase	USD	3,300	3,000	4,950	4,500

DALY GAS EUROBOB OXY ARGS NWE BRGS (GBR)

GBR	Non-HRP		Increase	USD	3,600	3,600	4,500	4,500
GBR	HRP		Increase	USD	3,960	3,600	4,950	4,500

DIESEL10PPMBRGS FOB ARA (PLATTS)BAL (U7)

U7	Non-HRP		Increase	USD	35,000	35,000	52,500	52,500
U7	HRP		Increase	USD	38,500	35,000	57,750	52,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EUR 1% FUEL OIL FOB RDM BALMO FUT (6L)								
6L	Non-HRP		Increase	USD	50,000	50,000	60,000	60,000
6L	HRP		Increase	USD	55,000	50,000	66,000	60,000
EUR 1%FUEL OIL CARG FOB MED(PLATTS) (EFM)								
EFM	Non-HRP		Increase	USD	28,000	28,000	40,000	40,000
EFM	HRP		Increase	USD	30,800	28,000	44,000	40,000
EUR3.5%FUEL OIL CARG FOB MED BALMO (EFF)								
EFF	Non-HRP		Increase	USD	38,000	38,000	52,500	52,500
EFF	HRP		Increase	USD	41,800	38,000	57,750	52,500
EURO 1% FUEL OIL NEW BALMO (KX)								
KX	Non-HRP	Tier 1	Increase	USD	40,000	40,000	50,000	50,000
KX	HRP	Tier 1	Increase	USD	44,000	40,000	55,000	50,000
KX	Non-HRP	Tier 2	Increase	USD	32,000	32,000	50,000	50,000
KX	HRP	Tier 2	Increase	USD	35,200	32,000	55,000	50,000
EURO MARINE FUEL 0.5% PLATTS BALMO (R5B)								
R5B	Non-HRP		Increase	USD	44,000	44,000	50,000	50,000
R5B	HRP		Increase	USD	48,400	44,000	55,000	50,000
EUROBOB GAS10PPM BALMO (7S)								
7S	Non-HRP		Increase	USD	44,500	44,500	66,500	66,500
7S	HRP		Increase	USD	48,950	44,500	73,150	66,500
EUROBOB GAS10PPM (PLTS) RD FOB (7P)								
7P	Non-HRP	Mnth 1	Increase	USD	71,000	71,000	81,000	81,000
7P	HRP	Mnth 1	Increase	USD	78,100	71,000	89,100	81,000
7P	Non-HRP	Mnths 2+	Increase	USD	70,000	70,000	80,000	80,000
7P	HRP	Mnths 2+	Increase	USD	77,000	70,000	88,000	80,000
EUROPE 1% FUEL OIL RDAM CALFUT (UH)								
UH	Non-HRP	Mnth 1	Increase	USD	51,000	51,000	57,000	57,000
UH	HRP	Mnth 1	Increase	USD	56,100	51,000	62,700	57,000
UH	Non-HRP	Mnth 2	Increase	USD	46,500	46,500	56,000	56,000
UH	HRP	Mnth 2	Increase	USD	51,150	46,500	61,600	56,000
UH	Non-HRP	Mnths 3-7	Increase	USD	43,500	43,500	55,000	55,000
UH	HRP	Mnths 3-7	Increase	USD	47,850	43,500	60,500	55,000
UH	Non-HRP	Mnths 8+	Increase	USD	41,000	41,000	47,000	47,000
UH	HRP	Mnths 8+	Increase	USD	45,100	41,000	51,700	47,000

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

GAS EUROBOB NON OXY (ARG) NWE BRG (GNO)

GNO	Non-HRP	Mnth 1	Increase	USD	54,000	54,000	76,000	76,000
GNO	HRP	Mnth 1	Increase	USD	59,400	54,000	83,600	76,000
GNO	Non-HRP	Mnths 2-6	Increase	USD	51,000	51,000	75,000	75,000
GNO	HRP	Mnths 2-6	Increase	USD	56,100	51,000	82,500	75,000
GNO	Non-HRP	Mnths 7+	Increase	USD	48,000	48,000	68,000	68,000
GNO	HRP	Mnths 7+	Increase	USD	52,800	48,000	74,800	68,000

GAS EUROBOB NON OXY (ARGUS) BALMO (GNB)

GNB	Non-HRP	Mnth 1	Increase	USD	64,000	64,000	76,000	76,000
GNB	HRP	Mnth 1	Increase	USD	70,400	64,000	83,600	76,000
GNB	Non-HRP	Mnths 2+	Increase	USD	56,000	56,000	75,000	75,000
GNB	HRP	Mnths 2+	Increase	USD	61,600	56,000	82,500	75,000

GASOIL 0.1% CIF MED BALMO FUT (X6)

X6	Non-HRP		Increase	USD	47,000	47,000	62,000	62,000
X6	HRP		Increase	USD	51,700	47,000	68,200	62,000

GASOIL 0.1% CIF NW BALMO FUT (B7)

B7	Non-HRP		Increase	USD	47,000	47,000	62,000	62,000
B7	HRP		Increase	USD	51,700	47,000	68,200	62,000

GASOIL0.1%BRGS FOB ARA(PLATTS)BALMO (B8)

B8	Non-HRP		Increase	USD	52,000	52,000	60,000	60,000
B8	HRP		Increase	USD	57,200	52,000	66,000	60,000

GC ULSD ARGUS CAL FUT (AJ)

AJ	Non-HRP		Increase	USD	7,000	7,000	10,000	10,000
AJ	HRP		Increase	USD	7,700	7,000	11,000	10,000

GROUP THREE SUB-OCT GAS (PLATTS) (A9)

A9	Non-HRP	Mnth 1	Increase	USD	7,500	7,500	10,050	10,050
A9	HRP	Mnth 1	Increase	USD	8,250	7,500	11,055	10,050
A9	Non-HRP	Mnth 2	Increase	USD	7,500	7,500	10,000	10,000
A9	HRP	Mnth 2	Increase	USD	8,250	7,500	11,000	10,000
A9	Non-HRP	Mnth 3+	Increase	USD	6,700	6,700	9,250	9,250
A9	HRP	Mnth 3+	Increase	USD	7,370	6,700	10,175	9,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GROUP THREE ULSD (PLATTS) FUT (A7)								
A7	Non-HRP	Mnth 1	Increase	USD	9,000	9,000	11,050	11,050
A7	HRP	Mnth 1	Increase	USD	9,900	9,000	12,155	11,050
A7	Non-HRP	Mnths 2	Increase	USD	8,950	8,950	10,600	10,600
A7	HRP	Mnths 2	Increase	USD	9,845	8,950	11,660	10,600
A7	Non-HRP	Mnths 3+	Increase	USD	8,800	8,800	9,500	9,500
A7	HRP	Mnths 3+	Increase	USD	9,680	8,800	10,450	9,500
GULF COAST JET FUEL CLNDR FUT (GE)								
GE	Non-HRP	Mnth 1	Increase	USD	7,300	7,300	10,100	10,100
GE	HRP	Mnth 1	Increase	USD	8,030	7,300	11,110	10,100
GE	Non-HRP	Mnths 2-6	Increase	USD	7,200	7,200	10,000	10,000
GE	HRP	Mnths 2-6	Increase	USD	7,920	7,200	11,000	10,000
GE	Non-HRP	Mnths 7+	Increase	USD	6,500	6,500	7,500	7,500
GE	HRP	Mnths 7+	Increase	USD	7,150	6,500	8,250	7,500
GULF CST CBOB GAS PLATTS A2 FUTURES (CRG)								
CRG	Non-HRP	Mnth 1	Increase	USD	7,000	7,000	9,225	9,225
CRG	HRP	Mnth 1	Increase	USD	7,700	7,000	10,148	9,225
CRG	Non-HRP	Mnth 2	Increase	USD	7,000	7,000	9,200	9,200
CRG	HRP	Mnth 2	Increase	USD	7,700	7,000	10,120	9,200
CRG	Non-HRP	Mnths 3+	Increase	USD	6,600	6,600	8,800	8,800
CRG	HRP	Mnths 3+	Increase	USD	7,260	6,600	9,680	8,800
JET FUEL BARGES RDAM BALMO (X9)								
X9	Non-HRP		Increase	USD	43,500	43,500	60,000	60,000
X9	HRP		Increase	USD	47,850	43,500	66,000	60,000
LA CARB DIESEL (OPIS) (LX)								
LX	Non-HRP	Mnth 1	Increase	USD	10,250	10,250	12,000	12,000
LX	HRP	Mnth 1	Increase	USD	11,275	10,250	13,200	12,000
LX	Non-HRP	Mnths 2-6	Increase	USD	10,250	10,250	11,900	11,900
LX	HRP	Mnths 2-6	Increase	USD	11,275	10,250	13,090	11,900
LOS ANGELES CARB GASOLINE FUT (MH)								
MH	Non-HRP		Increase	USD	8,600	8,600	10,250	10,250
MH	HRP		Increase	USD	9,460	8,600	11,275	10,250
MID EAST GASOIL ARAB GULF BALMO (MBS)								
MBS	Non-HRP		Increase	USD	6,000	6,000	8,000	8,000
MBS	HRP		Increase	USD	6,600	6,000	8,800	8,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINEUR1%FUEL OIL CRGO FOB NWE BALMO (0C)								
0C	Non-HRP	Tier 1	Increase	USD	4,000	4,000	5,000	5,000
0C	HRP	Tier 1	Increase	USD	4,400	4,000	5,500	5,000
0C	Non-HRP	Tier 2	Increase	USD	3,200	3,200	5,000	5,000
0C	HRP	Tier 2	Increase	USD	3,520	3,200	5,500	5,000
MINI 1% FUEL OIL CAR MED FUT (MFD)								
MFD	Non-HRP		Increase	USD	2,800	2,800	4,000	4,000
MFD	HRP		Increase	USD	3,080	2,800	4,400	4,000
MINI EUR1%FUELOIL FOB RDM BALMO FUT (0A)								
0A	Non-HRP		Increase	USD	5,000	5,000	6,000	6,000
0A	HRP		Increase	USD	5,500	5,000	6,600	6,000
MINI EURO 1% FUEL OIL FOBRDM FUT (T0)								
T0	Non-HRP	Mnth 1	Increase	USD	5,100	5,100	5,700	5,700
T0	HRP	Mnth 1	Increase	USD	5,610	5,100	6,270	5,700
T0	Non-HRP	Mnth 2	Increase	USD	4,650	4,650	5,600	5,600
T0	HRP	Mnth 2	Increase	USD	5,115	4,650	6,160	5,600
T0	Non-HRP	Mnths 3-7	Increase	USD	4,350	4,350	5,500	5,500
T0	HRP	Mnths 3-7	Increase	USD	4,785	4,350	6,050	5,500
T0	Non-HRP	Mnths 8+	Increase	USD	4,100	4,100	4,700	4,700
T0	HRP	Mnths 8+	Increase	USD	4,510	4,100	5,170	4,700
MINI EURO MARINE FUEL 0.5% BALMO (RBM)								
RBM	Non-HRP		Increase	USD	4,400	4,400	5,000	5,000
RBM	HRP		Increase	USD	4,840	4,400	5,500	5,000
MINI SINGP FUEL OIL 180CST FUTURES (0F)								
0F	Non-HRP	Mnth 1	Increase	USD	3,900	3,900	4,900	4,900
0F	HRP	Mnth 1	Increase	USD	4,290	3,900	5,390	4,900
0F	Non-HRP	Mnth 2	Increase	USD	3,850	3,850	4,850	4,850
0F	HRP	Mnth 2	Increase	USD	4,235	3,850	5,335	4,850
0F	Non-HRP	Mnths 3-7	Increase	USD	3,750	3,750	4,750	4,750
0F	HRP	Mnths 3-7	Increase	USD	4,125	3,750	5,225	4,750
0F	Non-HRP	Mnths 8+	Increase	USD	3,550	3,550	4,200	4,200
0F	HRP	Mnths 8+	Increase	USD	3,905	3,550	4,620	4,200
MINI SINGP FUELOIL 180 BALMO FUT (5L)								
5L	Non-HRP	Mnth 1	Increase	USD	4,250	4,250	4,600	4,600
5L	HRP	Mnth 1	Increase	USD	4,675	4,250	5,060	4,600
5L	Non-HRP	Mnths 2+	Increase	USD	3,300	3,300	4,500	4,500
5L	HRP	Mnths 2+	Increase	USD	3,630	3,300	4,950	4,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NEW YORK ULSD (ARGUS) FUT (5Y)								
5Y	Non-HRP		Increase	USD	7,500	7,500	11,250	11,250
5Y	HRP		Increase	USD	8,250	7,500	12,375	11,250
NY (ARGUS) VS. NY HRBR ULSD BALMO (ULB)								
ULB	Non-HRP		Increase	USD	700	700	1,000	1,000
ULB	HRP		Increase	USD	770	700	1,100	1,000
NY BUCKEYE JET FUEL (PLATTS) FUTURE (BUC)								
BUC	Non-HRP		Increase	USD	9,000	9,000	11,000	11,000
BUC	HRP		Increase	USD	9,900	9,000	12,100	11,000
PREM UNL GAS 10 PPM BALMO (7N)								
7N	Non-HRP		Increase	USD	65,000	65,000	80,000	80,000
7N	HRP		Increase	USD	71,500	65,000	88,000	80,000
PREM UNL GAS 10 PPM (PLTS) RDM (7L)								
7L	Non-HRP		Increase	USD	70,000	70,000	85,000	85,000
7L	HRP		Increase	USD	77,000	70,000	93,500	85,000
PREMIUM UNLD 10PPM CARGOES CIF (4G)								
4G	Non-HRP		Increase	USD	75,000	75,000	83,000	83,000
4G	HRP		Increase	USD	82,500	75,000	91,300	83,000
PREMIUM UNLEAD 10PPM FOB BLMO (8G)								
8G	Non-HRP		Increase	USD	51,000	51,000	75,000	75,000
8G	HRP		Increase	USD	56,100	51,000	82,500	75,000
SINGAPORE 180CST BALMO (BS)								
BS	Non-HRP	Mnth 1	Increase	USD	42,500	42,500	46,000	46,000
BS	HRP	Mnth 1	Increase	USD	46,750	42,500	50,600	46,000
BS	Non-HRP	Mnths 2+	Increase	USD	33,000	33,000	45,000	45,000
BS	HRP	Mnths 2+	Increase	USD	36,300	33,000	49,500	45,000
SINGAPORE FUEL 180CST CALFUT (UA)								
UA	Non-HRP	Mnth 1	Increase	USD	39,000	39,000	49,000	49,000
UA	HRP	Mnth 1	Increase	USD	42,900	39,000	53,900	49,000
UA	Non-HRP	Mnth 2	Increase	USD	38,500	38,500	48,500	48,500
UA	HRP	Mnth 2	Increase	USD	42,350	38,500	53,350	48,500
UA	Non-HRP	Mnths 3-7	Increase	USD	37,500	37,500	47,500	47,500
UA	HRP	Mnths 3-7	Increase	USD	41,250	37,500	52,250	47,500
UA	Non-HRP	Mnths 8+	Increase	USD	35,500	35,500	42,000	42,000
UA	HRP	Mnths 8+	Increase	USD	39,050	35,500	46,200	42,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE GASOIL 500 PPM (PLATTS) B (GHB)								
GHB	Non-HRP	Tier 1	Increase	USD	5,400	5,400	6,400	6,400
GHB	HRP	Tier 1	Increase	USD	5,940	5,400	7,040	6,400
GHB	Non-HRP	Tier 2	Increase	USD	4,500	4,500	6,250	6,250
GHB	HRP	Tier 2	Increase	USD	4,950	4,500	6,875	6,250
SINGAPORE JET KEROBALMO (BX)								
BX	Non-HRP	Mnth 1	Increase	USD	4,500	4,500	6,000	6,000
BX	HRP	Mnth 1	Increase	USD	4,950	4,500	6,600	6,000
BX	Non-HRP	Mnths 2+	Increase	USD	4,500	4,500	6,000	6,000
BX	HRP	Mnths 2+	Increase	USD	4,950	4,500	6,600	6,000
SINGAPORE MOGAS 95 BALMO FUT (W0)								
W0	Non-HRP		Increase	USD	8,500	8,500	10,000	10,000
W0	HRP		Increase	USD	9,350	8,500	11,000	10,000
SINGAPORE MOGAS 97 BALMO FUT (Y0)								
Y0	Non-HRP		Increase	USD	6,000	6,000	9,000	9,000
Y0	HRP		Increase	USD	6,600	6,000	9,900	9,000
SINGAPORE MOGAS 97 FUT (X0)								
X0	Non-HRP		Increase	USD	8,250	8,250	10,500	10,500
X0	HRP		Increase	USD	9,075	8,250	11,550	10,500
SINGAPORE NAPHTHA BALMO (KU)								
KU	Non-HRP	Tier 1	Increase	USD	5,200	5,200	6,750	6,750
KU	HRP	Tier 1	Increase	USD	5,720	5,200	7,425	6,750
KU	Non-HRP	Tier 2	Increase	USD	4,400	4,400	6,600	6,600
KU	HRP	Tier 2	Increase	USD	4,840	4,400	7,260	6,600
SINGAPORE NAPHTHA FUT (SP)								
SP	Non-HRP		Increase	USD	6,150	6,150	8,250	8,250
SP	HRP		Increase	USD	6,765	6,150	9,075	8,250
SYNT SINGAPORE MOGAS 95 FUT (SV0)								
SV0	Non-HRP	Mnth 1	Increase	USD	5,500	5,500	8,200	8,200
SV0	HRP	Mnth 1	Increase	USD	6,050	5,500	9,020	8,200
SV0	Non-HRP	Mnths 2+	Increase	USD	5,400	5,400	8,100	8,100
SV0	HRP	Mnths 2+	Increase	USD	5,940	5,400	8,910	8,100
ULSD 10PPM CIF MED BALMO FUT (X7)								
X7	Non-HRP		Increase	USD	45,500	45,500	63,500	63,500
X7	HRP		Increase	USD	50,050	45,500	69,850	63,500

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

ULSD 10PPM CIF NW BALMO FUT (B1)

B1	Non-HRP		Increase	USD	45,500	45,500	65,000	65,000
B1	HRP		Increase	USD	50,050	45,500	71,500	65,000

USGC MARINE FUEL 0.5% (PLATTS) BALM (H5B)

H5B	Non-HRP		Increase	USD	7,000	7,000	9,000	9,000
H5B	HRP		Increase	USD	7,700	7,000	9,900	9,000

USGC MARINE FUEL 0.5% BARGES (PLATT (UPB)

UPB	Non-HRP		Increase	USD	44,450	44,450	57,150	57,150
UPB	HRP		Increase	USD	48,895	44,450	62,865	57,150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
WEATHER - Outright Rates								
AMSTERDAM MONTHLY CAT FUTURES (G2)								
G2	Non-HRP	Month1	Increase	EUR	5%	5%	8%	8%
G2	HRP	Month1	Increase	EUR	6%	5%	9%	8%
G2	Non-HRP	Month3	Increase	EUR	4%	4%	4%	4%
G2	HRP	Month3	Increase	EUR	4%	4%	4%	4%
ATLANTA HDD FUTURE (H1)								
H1	Non-HRP	Month 3	Decrease	USD	15%	15%	10%	10%
H1	HRP	Month 3	Decrease	USD	17%	15%	11%	10%
H1	Non-HRP	Month 4	Decrease	USD	15%	15%	7%	7%
H1	HRP	Month 4	Decrease	USD	17%	15%	8%	7%
CINCINNATI HDD FUTURE (H3)								
H3	Non-HRP	Month 4	Decrease	USD	6%	6%	4%	4%
H3	HRP	Month 4	Decrease	USD	7%	6%	4%	4%
H0 LAS VEGAS HDD FUTURES (H0)								
H0	Non-HRP	Month 1	Increase	USD	9%	9%	10%	10%
H0	HRP	Month 1	Increase	USD	9%	9%	11%	10%
H0	Non-HRP	Month 4	Decrease	USD	6%	6%	4%	4%
H0	HRP	Month 4	Decrease	USD	7%	6%	4%	4%
H5 DALLAS HDD FUTURES (H5)								
H5	Non-HRP	Month2	Decrease	USD	20%	20%	15%	15%
H5	HRP	Month2	Decrease	USD	22%	20%	17%	15%
H5	Non-HRP	Month3	Decrease	USD	15%	15%	10%	10%
H5	HRP	Month3	Decrease	USD	17%	15%	11%	10%
H5	Non-HRP	Month4+	Decrease	USD	15%	15%	7%	7%
H5	HRP	Month4+	Decrease	USD	17%	15%	8%	7%
K1 ATLANTA CDD FUTURES (K1)								
K1	Non-HRP	Month 2	Increase	USD	7%	7%	9%	9%
K1	HRP	Month 2	Increase	USD	7%	7%	10%	9%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
K2 CHICAGO CDD FUTURES (K2)								
K2	Non-HRP	Month1	Decrease	USD	29%	29%	25%	25%
K2	HRP	Month1	Decrease	USD	32%	29%	28%	25%
K2	Non-HRP	Month2	Decrease	USD	27%	27%	20%	20%
K2	HRP	Month2	Decrease	USD	30%	27%	22%	20%
K2	Non-HRP	Month3	Increase	USD	8%	8%	10%	10%
K2	HRP	Month3	Increase	USD	9%	8%	11%	10%
K2	Non-HRP	Month4	Decrease	USD	7%	7%	6%	6%
K2	HRP	Month4	Decrease	USD	8%	7%	7%	6%
K4 NEW YORK CDD FUTURES (K4)								
K4	Non-HRP	Month 4	Decrease	USD	6%	6%	4%	4%
K4	HRP	Month 4	Decrease	USD	7%	6%	4%	4%
K5 DALLAS CDD FUTURES (K5)								
K5	Non-HRP	Month 4	Decrease	USD	5%	5%	4%	4%
K5	HRP	Month 4	Decrease	USD	6%	5%	4%	4%
LONDON CAT MONTHLY FUTURES (G0)								
G0	Non-HRP	Month 1	Increase	GBP	9%	9%	10%	10%
G0	HRP	Month 1	Increase	GBP	9%	9%	11%	10%
G0	Non-HRP	Month 4	Decrease	GBP	5%	5%	4%	4%
G0	HRP	Month 4	Decrease	GBP	6%	5%	4%	4%
LONDON MONTHLY HDD FUTURES (D0)								
D0	Non-HRP	Month 3	Decrease	GBP	10%	10%	7%	7%
D0	HRP	Month 3	Decrease	GBP	11%	10%	8%	7%
D0	Non-HRP	Month 4	Decrease	GBP	8%	8%	5%	5%
D0	HRP	Month 4	Decrease	GBP	9%	8%	6%	5%
MINNEAPOLIS MONTH HDD FUTURES (HQ)								
HQ	Non-HRP	Month 4	Decrease	USD	7%	7%	4%	4%
HQ	HRP	Month 4	Decrease	USD	7%	7%	4%	4%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
(UKRAINIAN WHEAT (PLATTS) FUTURES)								
UWF	Non-HRP		Increase	USD	650	650	800	800
UWF	HRP		Increase	USD	715	650	880	800
Class IV Milk (DK) - Months 6+ vs. Months 6+ (CLASS IV MILK FUTURE)								
DK	Non-HRP		Increase	USD	1,100	1,100	1,300	1,300
DK	HRP		Increase	USD	1,210	1,100	1,430	1,300
Class IV Milk (DK) - Months 2-5 vs. Months 6+ (CLASS IV MILK FUTURE)								
DK	Non-HRP		Increase	USD	1,175	1,175	1,350	1,350
DK	HRP		Increase	USD	1,293	1,175	1,485	1,350
CME Dry Whey Futures (DY) - Month 1 vs Months 3-12 (CME DRY WHEY FUTURES)								
DY	Non-HRP		Increase	USD	650	650	850	850
DY	HRP		Increase	USD	715	650	935	850
CME Dry Whey Futures (DY) - Months 3-12 vs Months 13+ (CME DRY WHEY FUTURES)								
DY	Non-HRP		Increase	USD	1,450	1,450	1,650	1,650
DY	HRP		Increase	USD	1,595	1,450	1,815	1,650
Months 2-5 vs Months 6+ (CLASS III MILK FUTURES)								
DA	Non-HRP		Increase	USD	750	750	900	900
DA	HRP		Increase	USD	825	750	990	900
Months 2-5 vs Months 6+ (MLK MID FUTURES)								
JQ	Non-HRP		Increase	USD	375	375	450	450
JQ	HRP		Increase	USD	413	375	495	450
Months 6+ vs Months 6+ (CLASS III MILK FUTURES)								
DA	Non-HRP		Increase	USD	1,050	1,050	1,200	1,200
DA	HRP		Increase	USD	1,155	1,050	1,320	1,200
Months 6+ vs Months 6+ (MLK MID FUTURES)								
JQ	Non-HRP		Increase	USD	525	525	600	600
JQ	HRP		Increase	USD	578	525	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL - Intra Spreads

1 vs 2+ (WTI (ARGUS) TRADE MONTH FUT)

V7	Non-HRP	Increase	USD	1,800	1,800	3,000	3,000
V7	HRP	Increase	USD	1,980	1,800	3,300	3,000

2+ vs 2+ (WTI (ARGUS) TRADE MONTH FUT)

V7	Non-HRP	Increase	USD	850	850	1,400	1,400
V7	HRP	Increase	USD	935	850	1,540	1,400

WTI Houston (Argus) Trade Month Futures - All Months (WTI HOUSTON (ARGUS) FINANCIAL FUT)

HIA	Non-HRP	Increase	USD	1,200	1,200	1,600	1,600
HIA	HRP	Increase	USD	1,320	1,200	1,760	1,600

WTI Midland (Argus) Trade Month Futures (WTI MIDLAND (ARGUS) TRADE MONTH FUT)

WTI	Non-HRP	Increase	USD	1,100	1,100	1,400	1,400
WTI	HRP	Increase	USD	1,210	1,100	1,540	1,400

CRUDE OIL SPREADS - Intra Spreads

Brent CFD Swap - All Months (DATED BRENT VS. BRENT FIRST MO FUT)

6W	Non-HRP	Increase	USD	600	600	1,000	1,000
6W	HRP	Increase	USD	660	600	1,100	1,000

Canadian C5+ Condensate Index (Net Energy) Futures - All Months (EDMONTON C5+ CONDENSATE MONTHLY INX)

CC5	Non-HRP	Increase	USD	2,300	2,300	4,500	4,500
CC5	HRP	Increase	USD	2,530	2,300	4,950	4,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
EQUITY INDEX - Intra Spreads								
S&P 500 Stock Index - Month 2 vs 9+ (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Non-HRP		Increase	USD	700	700	1,300	1,300
EST	HRP		Increase	USD	770	700	1,430	1,300
S&P 500 Stock Index - Month 2 vs 9+ (E-MINI S&P 500 FUTURES MARKER)								
ESI	Non-HRP		Increase	USD	700	700	1,300	1,300
ESI	HRP		Increase	USD	770	700	1,430	1,300
S&P 500 Stock Index - Month 2 vs 9+ (E-MINI S&P 500 FUTURES)								
ES	Non-HRP		Increase	USD	700	700	1,300	1,300
ES	HRP		Increase	USD	770	700	1,430	1,300
S&P 500 Stock Index - Month 2 vs 9+ (MICRO E-MINI S&P 500 FUTURES)								
MES	Non-HRP		Increase	USD	70	70	130	130
MES	HRP		Increase	USD	77	70	143	130
S&P 500 Stock Index - Month 2 vs 9+ (S&P 500 FUTURES)								
SP	Non-HRP		Increase	USD	3,500	3,500	6,500	6,500
SP	HRP		Increase	USD	3,850	3,500	7,150	6,500
S&P 500 Stock Index - Month 2 vs 9+ (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Non-HRP		Increase	USD	700	700	1,300	1,300
ESQ	HRP		Increase	USD	770	700	1,430	1,300
S&P 500 Stock Index - Month 3 vs 9+ (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Non-HRP		Increase	USD	1,050	1,050	1,250	1,250
EST	HRP		Increase	USD	1,155	1,050	1,375	1,250
S&P 500 Stock Index - Month 3 vs 9+ (E-MINI S&P 500 FUTURES MARKER)								
ESI	Non-HRP		Increase	USD	1,050	1,050	1,250	1,250
ESI	HRP		Increase	USD	1,155	1,050	1,375	1,250
S&P 500 Stock Index - Month 3 vs 9+ (E-MINI S&P 500 FUTURES)								
ES	Non-HRP		Increase	USD	1,050	1,050	1,250	1,250
ES	HRP		Increase	USD	1,155	1,050	1,375	1,250
S&P 500 Stock Index - Month 3 vs 9+ (MICRO E-MINI S&P 500 FUTURES)								
MES	Non-HRP		Increase	USD	105	105	125	125
MES	HRP		Increase	USD	116	105	138	125
S&P 500 Stock Index - Month 3 vs 9+ (S&P 500 FUTURES)								
SP	Non-HRP		Increase	USD	5,250	5,250	6,250	6,250
SP	HRP		Increase	USD	5,775	5,250	6,875	6,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P 500 Stock Index - Month 3 vs 9+ (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Non-HRP		Increase	USD	1,050	1,050	1,250	1,250
ESQ	HRP		Increase	USD	1,155	1,050	1,375	1,250
S&P 500 Stock Index - Months 4-8 vs 9+ (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Non-HRP		Increase	USD	750	750	1,100	1,100
EST	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 4-8 vs 9+ (E-MINI S&P 500 FUTURES MARKER)								
ESI	Non-HRP		Increase	USD	750	750	1,100	1,100
ESI	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 4-8 vs 9+ (E-MINI S&P 500 FUTURES)								
ES	Non-HRP		Increase	USD	750	750	1,100	1,100
ES	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 4-8 vs 9+ (MICRO E-MINI S&P 500 FUTURES)								
MES	Non-HRP		Increase	USD	75	75	110	110
MES	HRP		Increase	USD	83	75	121	110
S&P 500 Stock Index - Months 4-8 vs 9+ (S&P 500 FUTURES)								
SP	Non-HRP		Increase	USD	3,750	3,750	5,500	5,500
SP	HRP		Increase	USD	4,125	3,750	6,050	5,500
S&P 500 Stock Index - Months 4-8 vs 9+ (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Non-HRP		Increase	USD	750	750	1,100	1,100
ESQ	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 9+ vs 9+ (BTIC ON E-MINI S&P 500 FUTURES)								
EST	Non-HRP		Increase	USD	750	750	1,100	1,100
EST	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 9+ vs 9+ (E-MINI S&P 500 FUTURES MARKER)								
ESI	Non-HRP		Increase	USD	750	750	1,100	1,100
ESI	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 9+ vs 9+ (E-MINI S&P 500 FUTURES)								
ES	Non-HRP		Increase	USD	750	750	1,100	1,100
ES	HRP		Increase	USD	825	750	1,210	1,100
S&P 500 Stock Index - Months 9+ vs 9+ (MICRO E-MINI S&P 500 FUTURES)								
MES	Non-HRP		Increase	USD	75	75	110	110
MES	HRP		Increase	USD	83	75	121	110

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P 500 Stock Index - Months 9+ vs 9+ (S&P 500 FUTURES)								
SP	Non-HRP		Increase	USD	3,750	3,750	5,500	5,500
SP	HRP		Increase	USD	4,125	3,750	6,050	5,500
S&P 500 Stock Index - Months 9+ vs 9+ (TACO ON E-MINI S&P 500 FUTURES)								
ESQ	Non-HRP		Increase	USD	750	750	1,100	1,100
ESQ	HRP		Increase	USD	825	750	1,210	1,100
METALS - Intra Spreads								
Months 01 vs. Months 02-10 (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Increase	USD	1,150	1,150	1,725	1,725
HR	HRP		Increase	USD	1,265	1,150	1,898	1,725
Months 01 vs. Months 11+ (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Increase	USD	1,400	1,400	1,900	1,900
HR	HRP		Increase	USD	1,540	1,400	2,090	1,900
Months 01-04 vs. Months 01-04 (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Increase	EUR	1,800	1,800	2,500	2,500
EHR	HRP		Increase	EUR	1,980	1,800	2,750	2,500
Months 01-04 vs. Months 05+ (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Increase	EUR	2,200	2,200	3,200	3,200
EHR	HRP		Increase	EUR	2,420	2,200	3,520	3,200
Months 02-10 vs. Months 11+ (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Increase	USD	2,300	2,300	2,600	2,600
HR	HRP		Increase	USD	2,530	2,300	2,860	2,600
Months 05+ vs. Months 05+ (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Increase	EUR	1,900	1,900	2,800	2,800
EHR	HRP		Increase	EUR	2,090	1,900	3,080	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
(SING GAS 500 PPM (PLATTS) VS. LOW S)								
SGG	Non-HRP		Increase	USD	650	650	825	825
SGG	Non-HRP		Increase	USD	1,300	1,300	1,800	1,800
SGG	Non-HRP		Increase	USD	1,375	1,375	2,325	2,325
SGG	HRP		Increase	USD	715	650	908	825
SGG	HRP		Increase	USD	1,430	1,300	1,980	1,800
SGG	HRP		Increase	USD	1,513	1,375	2,558	2,325
3.5% Fuel Oil Rdam v 3.5% FOB MED Spread Swap - Months 2+ vs Months 2+ (EURO 3.5% FUEL OIL SPREAD)								
FK	Non-HRP		Increase	USD	3,300	3,300	4,250	4,250
FK	HRP		Increase	USD	3,630	3,300	4,675	4,250
3.5% Fuel Oil Rdam v 3.5% FOB MED Spread Swap - Month 1 vs Months 2+ (EURO 3.5% FUEL OIL SPREAD)								
FK	Non-HRP		Increase	USD	3,300	3,300	4,300	4,300
FK	HRP		Increase	USD	3,630	3,300	4,730	4,300
European Jet Rdam Barges vs. Gasoil Futures Swap - All Months (JET BARGES VS. ICE GASOIL FUT)								
JR	Non-HRP		Increase	USD	7,600	7,600	9,000	9,000
JR	HRP		Increase	USD	8,360	7,600	9,900	9,000
European Jet Rdam Barges vs. Gasoil Futures Swap - All Months (MIN JET KERO BRGES FOB RDAM VS GSL)								
MJB	Non-HRP		Increase	USD	760	760	900	900
MJB	HRP		Increase	USD	836	760	990	900
Gasoil 10ppm Cargoes CIF NWE v. ICE Gasoil Swap - All Months (MIN ULSD 10PPM CRGS CIF NWE VS GSL)								
MGN	Non-HRP		Increase	USD	235	235	380	380
MGN	HRP		Increase	USD	259	235	418	380
Gasoil 10ppm Cargoes CIF NWE v. ICE Gasoil Swap - All Months (ULSD 10PPM V. ICE FUT)								
TP	Non-HRP		Increase	USD	2,350	2,350	3,800	3,800
TP	HRP		Increase	USD	2,585	2,350	4,180	3,800
High-Low Sulfur Fuel Oil Spread Swap - Consecutive (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Increase	USD	3,750	3,750	5,000	5,000
FS	HRP		Increase	USD	4,125	3,750	5,500	5,000
Jet Fuel Barges FOB Rdam Vs. ICE Gasoil Balmo Swap - All Months (JET FUEL BRG FOB RDM V ICE BLM)								
9Q	Non-HRP		Increase	USD	1,300	1,300	2,000	2,000
9Q	HRP		Increase	USD	1,430	1,300	2,200	2,000
Mnths 1-6 vs. Mnths 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Increase	USD	7,000	7,000	10,000	10,000
FS	HRP		Increase	USD	7,700	7,000	11,000	10,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

New York Jet Fuel (Argus) vs. Heating Oil Spread Swap Futures - (5U) - All Months (NY ULSD VS. NY HRBR ULSD FUT)

7Y	Non-HRP	Decrease	USD	2,000	2,000	1,750	1,750
7Y	HRP	Decrease	USD	2,200	2,000	1,925	1,750

SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tiers 1v1 (SINGAPORE GASOIL VS ICE)

GA	Non-HRP	Increase	USD	1,700	1,700	2,275	2,275
GA	HRP	Increase	USD	1,870	1,700	2,503	2,275

ULSD 10ppm CIF MED Vs. ICE Gasoil Balmo Swap - All Months (ULSD 10PPM CIF V. ICE GAS BLMO)

7V	Non-HRP	Increase	USD	1,300	1,300	2,200	2,200
7V	HRP	Increase	USD	1,430	1,300	2,420	2,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
REFINED PRODUCTS - Intra Spreads								
(SINGAPORE GASOIL 500 PPM (PLATTS) B)								
GHB	Non-HRP		Increase	USD	1,600	1,600	2,000	2,000
GHB	HRP		Increase	USD	1,760	1,600	2,200	2,000
All Months vs All Months (NY BUCKEYE JET FUEL (PLATTS) FUTURE)								
BUC	Non-HRP		Increase	USD	2,700	2,700	4,500	4,500
BUC	HRP		Increase	USD	2,970	2,700	4,950	4,500
Consecutives (SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Increase	USD	2,000	2,000	2,600	2,600
SLY	HRP		Increase	USD	2,200	2,000	2,860	2,600
Consecutives 2+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		Increase	USD	120	120	145	145
S5O	HRP		Increase	USD	132	120	160	145
Consecutives 2+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		Increase	USD	1,200	1,200	1,450	1,450
S5M	HRP		Increase	USD	1,320	1,200	1,595	1,450
Consecutives 2+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA)								
S5F	Non-HRP		Increase	USD	12,000	12,000	14,500	14,500
S5F	HRP		Increase	USD	13,200	12,000	15,950	14,500
Daily European 1% Fuel Oil (Platts) Cargoes FOB NWE Swap Futures - All Months (DALY EURO 1% FOIL CGOES FOB NWE FUT)								
FCN	Non-HRP		Increase	USD	2,800	2,800	4,600	4,600
FCN	HRP		Increase	USD	3,080	2,800	5,060	4,600
Daily Gasoline Euro-bob Oxy (Argus) NWE Barges Swap Futures - All Months (DALY GAS EUROBOB OXY ARGS NWE BRGS)								
GBR	Non-HRP		Increase	USD	4,200	4,200	7,000	7,000
GBR	HRP		Increase	USD	4,620	4,200	7,700	7,000
Diesel 10ppm Barges FOB Rdam BALMO Swap - All Months (DIESEL10PPMBRGS FOB ARA (PLATTS)BAL)								
U7	Non-HRP		Increase	USD	6,000	6,000	10,000	10,000
U7	HRP		Increase	USD	6,600	6,000	11,000	10,000
EuroBob Gasoline 10ppm (Platts) Rdam FOB Barges BALMO Swap - All Months (EUROBOB GAS10PPM BALMO)								
7S	Non-HRP		Increase	USD	6,300	6,300	10,000	10,000
7S	HRP		Increase	USD	6,930	6,300	11,000	10,000
EuroBob Gasoline 10ppm (Platts) Rdam FOB Barges Swap - All Months (EUROBOB GAS10PPM (PLTS) RD FOB)								
7P	Non-HRP		Increase	USD	11,000	11,000	16,000	16,000
7P	HRP		Increase	USD	12,100	11,000	17,600	16,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European 1% Fuel Oil (Platts) Barges FOB Rdam BALMO Swap Futures-All Months (EUR 1% FUEL OIL FOB RDM BALMO FUT)								
6L	Non-HRP		Increase	USD	4,800	4,800	7,750	7,750
6L	HRP		Increase	USD	5,280	4,800	8,525	7,750
European 1% Fuel Oil (Platts) Barges FOB Rdam BALMO Swap Futures-All Months (MINI EUR1%FUELOIL FOB RDM BALMO FUT)								
0A	Non-HRP		Increase	USD	480	480	775	775
0A	HRP		Increase	USD	528	480	853	775
European 1% Fuel Oil BALMO Swap (Northwest Europe) - All Months (EURO 1% FUEL OIL NEW BALMO)								
KX	Non-HRP		Increase	USD	4,000	4,000	6,800	6,800
KX	HRP		Increase	USD	4,400	4,000	7,480	6,800
European 1% Fuel Oil BALMO Swap (Northwest Europe) - All Months (MINEUR1%FUEL OIL CRGO FOB NWE BALMO)								
0C	Non-HRP		Increase	USD	400	400	680	680
0C	HRP		Increase	USD	440	400	748	680
European 1% Fuel Oil Cargoes FOB MED (Platts) Swap Futures - All Months (EUR 1%FUEL OIL CARG FOB MED(PLATTS))								
EFM	Non-HRP		Increase	USD	12,000	12,000	15,000	15,000
EFM	HRP		Increase	USD	13,200	12,000	16,500	15,000
European 1% Fuel Oil Cargoes FOB MED (Platts) Swap Futures - All Months (MINI 1% FUEL OIL CAR MED FUT)								
MFD	Non-HRP		Increase	USD	1,200	1,200	1,500	1,500
MFD	HRP		Increase	USD	1,320	1,200	1,650	1,500
European 1% Fuel Oil Rotterdam Calendar Swap - 1 vs 2+ (EUROPE 1% FUEL OIL RDAM CALFUT)								
UH	Non-HRP		Increase	USD	8,900	8,900	11,000	11,000
UH	HRP		Increase	USD	9,790	8,900	12,100	11,000
European 1% Fuel Oil Rotterdam Calendar Swap - 1 vs 2+ (MINI EURO 1% FUEL OIL FOBRDM FUT)								
T0	Non-HRP		Increase	USD	890	890	1,100	1,100
T0	HRP		Increase	USD	979	890	1,210	1,100
European 1% Fuel Oil Rotterdam Calendar Swap - 2+ vs 2+ (EUROPE 1% FUEL OIL RDAM CALFUT)								
UH	Non-HRP		Increase	USD	9,700	9,700	12,500	12,500
UH	HRP		Increase	USD	10,670	9,700	13,750	12,500
European 1% Fuel Oil Rotterdam Calendar Swap - 2+ vs 2+ (MINI EURO 1% FUEL OIL FOBRDM FUT)								
T0	Non-HRP		Increase	USD	970	970	1,250	1,250
T0	HRP		Increase	USD	1,067	970	1,375	1,250
European 3.5% Fuel Oil (Platts) Cargoes FOB MED BALMO Swap Futures - All Months (EUR3.5%FUEL OIL CARG FOB MED BALMO)								
EFF	Non-HRP		Increase	USD	6,500	6,500	9,500	9,500
EFF	HRP		Increase	USD	7,150	6,500	10,450	9,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Singapore Fuel Oil 180cst Calendar Swap - Months 2+ vs Months 2+ (MINI SINGP FUEL OIL 180CST FUTURES)								
0F	Non-HRP		Increase	USD	750	750	1,050	1,050
0F	HRP		Increase	USD	825	750	1,155	1,050
European Singapore Fuel Oil 180cst Calendar Swap - Months 2+ vs Months 2+ (SINGAPORE FUEL 180CST CALFUT)								
UA	Non-HRP		Increase	USD	7,500	7,500	10,500	10,500
UA	HRP		Increase	USD	8,250	7,500	11,550	10,500
Fuel Oil 3.5% CIF MED Swap - 1 vs 2+ (3.5% FUEL OIL CID MED FUT)								
7D	Non-HRP		Increase	USD	6,000	6,000	9,000	9,000
7D	HRP		Increase	USD	6,600	6,000	9,900	9,000
Gasoil 0.1 Cargoes CIF MED BALMO Swap - All Months (GASOIL 0.1% CIF MED BALMO FUT)								
X6	Non-HRP		Increase	USD	6,000	6,000	10,000	10,000
X6	HRP		Increase	USD	6,600	6,000	11,000	10,000
Gasoil 0.1 Cargoes CIF NWE Balmo Swap - All Months (GASOIL 0.1% CIF NW BALMO FUT)								
B7	Non-HRP		Increase	USD	4,250	4,250	7,250	7,250
B7	HRP		Increase	USD	4,675	4,250	7,975	7,250
Gasoil 0.1 Cargoes FOB Rdam Balmo Swap - All Months (GASOIL0.1%BRGS FOB ARA(PLATTS)BALMO)								
B8	Non-HRP		Increase	USD	3,400	3,400	5,750	5,750
B8	HRP		Increase	USD	3,740	3,400	6,325	5,750
Gulf Coast Jet Fuel Calendar Swap - All Months (GULF COAST JET FUEL CLNDR FUT)								
GE	Non-HRP		Increase	USD	2,200	2,200	2,400	2,400
GE	HRP		Increase	USD	2,420	2,200	2,640	2,400
Gulf Coast ULSD (Argus) Calendar Swaps - All Months (GC ULSD ARGUS CAL FUT)								
AJ	Non-HRP		Increase	USD	1,000	1,000	1,700	1,700
AJ	HRP		Increase	USD	1,100	1,000	1,870	1,700
Gulf Coast ULSD Swap- Consecutive Month 2+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	2,000	2,000	2,600	2,600
LY	HRP		Increase	USD	2,200	2,000	2,860	2,600
Gulf Coast ULSD Swap- Consecutive Month 2+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Increase	USD	200	200	260	260
111	HRP		Increase	USD	220	200	286	260
Jet Fuel Barges FOB Rdam BALMO Swap - All Months (JET FUEL BARGES RDAM BALMO)								
X9	Non-HRP		Increase	USD	9,000	9,000	15,000	15,000
X9	HRP		Increase	USD	9,900	9,000	16,500	15,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Los Angeles CARB Diesel (OPIS) Outright Swap - All Months (LA CARB DIESEL (OPIS))								
LX	Non-HRP		Increase	USD	4,000	4,000	5,000	5,000
LX	HRP		Increase	USD	4,400	4,000	5,500	5,000
Los Angeles CARB Gasoline Swap - All Months (LOS ANGELES CARB GASOLINE FUT)								
MH	Non-HRP		Increase	USD	3,350	3,350	4,500	4,500
MH	HRP		Increase	USD	3,685	3,350	4,950	4,500
MID EAST GASOIL ARAB GULF BALMO - All Months (MID EAST GASOIL ARAB GULF BALMO)								
MBS	Non-HRP		Increase	USD	2,800	2,800	4,700	4,700
MBS	HRP		Increase	USD	3,080	2,800	5,170	4,700
Mnth 1 vs 2 (GROUP THREE SUB-OCT GAS (PLATTS))								
A9	Non-HRP		Increase	USD	1,400	1,400	1,900	1,900
A9	HRP		Increase	USD	1,540	1,400	2,090	1,900
Mnth 1 vs 2 (GROUP THREE ULSD (PLATTS) FUT)								
A7	Non-HRP		Increase	USD	2,400	2,400	3,250	3,250
A7	HRP		Increase	USD	2,640	2,400	3,575	3,250
Mnth 1 vs 3+ (GROUP THREE SUB-OCT GAS (PLATTS))								
A9	Non-HRP		Increase	USD	1,400	1,400	2,000	2,000
A9	HRP		Increase	USD	1,540	1,400	2,200	2,000
Mnth 1 vs 3+ (GROUP THREE ULSD (PLATTS) FUT)								
A7	Non-HRP		Increase	USD	2,775	2,775	3,300	3,300
A7	HRP		Increase	USD	3,053	2,775	3,630	3,300
Mnth 2 vs 3+ (GROUP THREE SUB-OCT GAS (PLATTS))								
A9	Non-HRP		Increase	USD	1,000	1,000	1,250	1,250
A9	HRP		Increase	USD	1,100	1,000	1,375	1,250
Mnth 2 vs 3+ (GROUP THREE ULSD (PLATTS) FUT)								
A7	Non-HRP		Increase	USD	2,700	2,700	3,700	3,700
A7	HRP		Increase	USD	2,970	2,700	4,070	3,700
Mnth 3+ vs 3+ (GROUP THREE SUB-OCT GAS (PLATTS))								
A9	Non-HRP		Increase	USD	1,400	1,400	1,800	1,800
A9	HRP		Increase	USD	1,540	1,400	1,980	1,800
Mnth 2-6 vs 2-6 (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	5,100	5,100	6,100	6,100
LY	HRP		Increase	USD	5,610	5,100	6,710	6,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mnths 2-6 vs 2-6 (SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Increase	USD	5,100	5,100	6,100	6,100
SLY	HRP		Increase	USD	5,610	5,100	6,710	6,100
Mnths 2-6 vs 2-6 (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Increase	USD	510	510	610	610
111	HRP		Increase	USD	561	510	671	610
Mnths 3+ vs 3+ (GROUP THREE ULSD (PLATTS) FUT)								
A7	Non-HRP		Increase	USD	2,100	2,100	3,500	3,500
A7	HRP		Increase	USD	2,310	2,100	3,850	3,500
Months 2-6 vs 7+ (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Non-HRP		Increase	USD	13,000	13,000	18,000	18,000
GNO	HRP		Increase	USD	14,300	13,000	19,800	18,000
NY ULSD (ARGUS) SWAP FUTURES - All Months (NEWYORK ULSD (ARGUS) FUT)								
5Y	Non-HRP		Increase	USD	1,300	1,300	2,200	2,200
5Y	HRP		Increase	USD	1,430	1,300	2,420	2,200
Premium Unleaded Gasoline 10 ppm (Platts) Rdam FOB Barges BALMO Swap - All Months (PREM UNL GAS 10 PPM BALMO)								
7N	Non-HRP		Increase	USD	7,000	7,000	11,750	11,750
7N	HRP		Increase	USD	7,700	7,000	12,925	11,750
Premium Unleaded Gasoline 10 ppm (Platts) Rdam FOB Barges Swap - All Months (PREM UNL GAS 10 PPM (PLTS) RDM)								
7L	Non-HRP		Increase	USD	14,000	14,000	21,000	21,000
7L	HRP		Increase	USD	15,400	14,000	23,100	21,000
Rel Period 2-3 (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Non-HRP		Increase	USD	5,500	5,500	8,000	8,000
GNO	HRP		Increase	USD	6,050	5,500	8,800	8,000
Singapore 380cst Fuel Oil Swap - Consecutives (MICRO SINGAPORE FUEL OIL 380CST (PL)								
MAF	Non-HRP		Increase	USD	33	33	38	38
MAF	HRP		Increase	USD	36	33	41	38
Singapore 380cst Fuel Oil Swap - Consecutives (MINI SINGAPORE 380CST FUEL OIL FUT)								
MTS	Non-HRP		Increase	USD	325	325	375	375
MTS	HRP		Increase	USD	358	325	413	375
Singapore 380cst Fuel Oil Swap - Consecutives (SINGAPORE 380CST FUEL OIL FUT)								
SE	Non-HRP		Increase	USD	3,250	3,250	3,750	3,750
SE	HRP		Increase	USD	3,575	3,250	4,125	3,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Singapore Gasoil Swap - consecutives (122 SYNT SINGAPORE MOGAS 95 FUT)								
122	Non-HRP		Increase	USD	100	100	130	130
122	HRP		Increase	USD	110	100	143	130
Singapore Gasoil Swap - Consecutives (MINI SINGAPORE GASOIL PLATS FUTURES)								
MSG	Non-HRP		Increase	USD	225	225	250	250
MSG	HRP		Increase	USD	248	225	275	250
Singapore Gasoil Swap - Consecutives (SINGAPORE GASOIL FUT)								
SG	Non-HRP		Increase	USD	2,250	2,250	2,500	2,500
SG	HRP		Increase	USD	2,475	2,250	2,750	2,500
Singapore Gasoil Swap - consecutives (SINGAPORE MOGAS 95 FUT)								
V0	Non-HRP		Increase	USD	1,000	1,000	1,300	1,300
V0	HRP		Increase	USD	1,100	1,000	1,430	1,300
Singapore Gasoil Swap - Consecutives (SYNTHETIC SINGAPORE GASOIL FUT)								
SSG	Non-HRP		Increase	USD	2,250	2,250	2,500	2,500
SSG	HRP		Increase	USD	2,475	2,250	2,750	2,500
Singapore Jet Kero Balmo - All Months (SINGAPORE JET KERO BALMO)								
BX	Non-HRP		Increase	USD	1,000	1,000	1,700	1,700
BX	HRP		Increase	USD	1,100	1,000	1,870	1,700
Singapore Mogas 95 BALMO Swap - All Months (SINGAPORE MOGAS 95 BALMO FUT)								
W0	Non-HRP		Increase	USD	2,000	2,000	2,500	2,500
W0	HRP		Increase	USD	2,200	2,000	2,750	2,500
Singapore Mogas 95 Swap - All Months (122 SYNT SINGAPORE MOGAS 95 FUT)								
122	Non-HRP		Increase	USD	250	250	360	360
122	HRP		Increase	USD	275	250	396	360
Singapore Mogas 95 Swap - All Months (SINGAPORE MOGAS 95 FUT)								
V0	Non-HRP		Increase	USD	2,500	2,500	3,600	3,600
V0	HRP		Increase	USD	2,750	2,500	3,960	3,600
Singapore Mogas 97 BALMO Swap - All Months (SINGAPORE MOGAS 97 BALMO FUT)								
Y0	Non-HRP		Increase	USD	1,500	1,500	2,000	2,000
Y0	HRP		Increase	USD	1,650	1,500	2,200	2,000
Singapore Naphtha Swap - All Months (SINGAPORE NAPHTHA FUT)								
SP	Non-HRP		Increase	USD	3,300	3,300	5,000	5,000
SP	HRP		Increase	USD	3,630	3,300	5,500	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ULSD 10ppm Cargoes CIF NWE Balmo Swap - All Months (ULSD 10PPM CIF NW BALMO FUT)

B1	Non-HRP		Increase	USD	4,400	4,400	7,000	7,000
B1	HRP		Increase	USD	4,840	4,400	7,700	7,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
COAL - Inter-commodity Spread Rates						
COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURESS (NY-MTF - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	0%	0%
CRUDE OIL - Inter-commodity Spread Rates						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
COAL (API 2) CIF ARA (ARGUS/MCCLOSKEY) SWAP FUTURESS (NY-MTF - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	0%	0%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	76%	76%
DC 1 vs JCY 1						
Spread Credit Rate	New	+1:-1			50%	50%
DC 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
DC 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DC 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
DC 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%
DC Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	New	+1:-1			50%	50%
DC Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
DC Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DC Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
DC Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	-1:+1	85%	85%	80%	80%
DUBAI CRUDE OIL CALENDAR SWAP (NY-DC) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-9	85%	85%	81%	81%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	74%	74%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	73%	73%
HO 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
HO 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
HO Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HO Mnths 2+ vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
MF 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
MF 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	85%	85%	79%	79%
MF Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF Mnth 1 vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
MF Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MF Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	87%	87%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
OQ 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RB 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
RB 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
RB 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
RB Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
RB Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
RB Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
SE 1 vs JCY 1						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE 1 vs JCY 5+						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SE 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+3:-19	80%	80%	72%	72%
SE Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SE Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SE Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+19:-3	60%	60%	50%	50%
SE Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+3:-19	80%	80%	72%	72%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	84%	84%	80%	80%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	82%	82%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	82%	82%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DME Products - Inter-commodity Spread Rates						
DME OMAN CRUDE OIL (NY-OQ) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
OQ 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
OQ Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
OQ Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
Spread Credit Rate	Decrease	+3:-19	70%	70%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+3:-19	78%	78%	72%	72%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	84%	84%	80%	80%
EQUITY INDEX - Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%

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						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	55%	55%
DME OMAN CRUDE OIL (NY-OQ) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
DUBAI CRUDE OIL CALENDAR SWAP (NY-DC) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	50%	50%
Spread Credit Rate	Decrease	+2:-15	55%	55%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+1:-9	50%	50%	45%	45%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+1:-9	85%	85%	78%	78%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+1:-9	55%	55%	48%	48%
Spread Credit Rate	Decrease	+1:-9	70%	70%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	45%	45%
Spread Credit Rate	Decrease	+1:-12	50%	50%	35%	35%

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. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	47%	47%
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	35%	35%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	84%	84%	78%	78%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+2:-15	75%	75%	65%	65%
Spread Credit Rate	Decrease	+2:-15	83%	83%	78%	78%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	87%	87%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-1	51%	51%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	42%	42%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Decrease	+9:-1	55%	55%	45%	45%
Spread Credit Rate	Decrease	+9:-1	65%	65%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+15:-2	45%	45%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	84%	84%
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+9:-1	66%	66%	50%	50%
Spread Credit Rate	Decrease	+9:-1	55%	55%	40%	40%

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 MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	58%	58%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-SE - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	74%	74%	70%	70%
CHICAGO ULSD (PLATTS) SWAP FUTURES (NY-4C - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	55%	55%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	76%	76%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+2:-15	78%	78%	75%	75%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	66%	66%	60%	60%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	50%	50%
Spread Credit Rate	Decrease	+2:-15	55%	55%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-9	85%	85%	81%	81%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-9	84%	84%	78%	78%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+1:-9	50%	50%	45%	45%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+1:-9	85%	85%	78%	78%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+1:-9	55%	55%	48%	48%
Spread Credit Rate	Decrease	+1:-9	70%	70%	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 SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	45%	45%
Spread Credit Rate	Decrease	+1:-12	50%	50%	35%	35%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	47%	47%
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	35%	35%
GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%
GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	80%	80%	75%	75%
GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	83%	83%
GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	83%	83%
Spread Credit Rate	Decrease	+1:-1	90%	90%	89%	89%
GULF COAST CBOB GASOLINE A2 (PLATTS) SWAP FUTURES (NY-CRG - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	88%	88%	86%	86%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	74%	74%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	73%	73%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	80%	80%	74%	74%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			84%	84%
Spread Credit Rate	Decrease	+1:-1	88%	88%	83%	83%
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	Decrease	+1:-1	88%	88%	84%	84%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	88%	88%	84%	84%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	78%	78%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	78%	78%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	84%	84%	78%	78%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs SINGAPORE 380CST FUEL OIL SWAP (NY-SE)						
Spread Credit Rate	Decrease	+19:-3	76%	76%	67%	67%
HO 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HO 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
HO Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
HO Mnths 2+ vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
HO Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+2:-15	75%	75%	65%	65%
Spread Credit Rate	Decrease	+2:-15	83%	83%	78%	78%
MF 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
MF 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	85%	85%	79%	79%
MF Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF Mnth 1 vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MF Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MF Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-1	51%	51%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	42%	42%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Decrease	+9:-1	55%	55%	45%	45%
Spread Credit Rate	Decrease	+9:-1	65%	65%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+15:-2	45%	45%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	84%	84%
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RT, RL) vs EUROPEAN GASOIL (ICE) CALENDAR SWAP (NYM-GX - CME)						
Spread Credit Rate	Decrease	+2:-15	70%	70%	60%	60%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+9:-1	66%	66%	50%	50%
Spread Credit Rate	Decrease	+9:-1	55%	55%	40%	40%
RB 1 vs JCY 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB 1 vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
RB 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
RB 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RB Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
RB Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
RB Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	80%	80%	72%	72%
RBOB GASOLINE FUTURES (NY-RB - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
SE 1 vs JCY 1						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE 1 vs JCY 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SE 1 vs JCY 5+						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SE 2+ vs JCY 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE 2+ vs JCY 5+						
Spread Credit Rate	Decrease	+3:-19	80%	80%	72%	72%
SE Mnth 1 vs JCC Mnth 1						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE Mnth 1 vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SE Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SE Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+19:-3	60%	60%	50%	50%
SE Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+3:-19	80%	80%	72%	72%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	84%	84%	80%	80%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME)						
Spread Credit Rate	Decrease	+1:-1	66%	66%	58%	58%
Spread Credit Rate	Decrease	+1:-1	68%	68%	60%	60%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+3:-19	70%	70%	60%	60%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs NEWYORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) VS NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO -CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
Spread Credit Rate	Decrease	+3:-19	70%	70%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	60%	60%
Spread Credit Rate	Decrease	+2:-15	67%	67%	61%	61%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME)						
Spread Credit Rate	Decrease	+3:-19	82%	82%	78%	78%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+3:-19	60%	60%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+3:-19	78%	78%	72%	72%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	58%	58%	45%	45%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	77%	77%	70%	70%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	58%	58%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	82%	82%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	82%	82%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	84%	84%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
FX - Volatility Scan (volScan) Rate						
JAPANESE YEN (J7, JPU, JY, JY, MJM, MJY, V6J, V6J, VXJ, WJY, YJ) - volScan						
Clearing Member Rate	Month 1-3	Increase		24.000%		28.000%