



22-250

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Wednesday, June 29, 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

Thursday, June 30, 2022.

Current rates as of:

Wednesday, June 29, 2022.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL SPREADS - Outright Rates								
HARDISTY W CANADIAN SELECT MONTHLY (WCW)								
WCW	Non-HRP	Mnth 1	Increase	USD	1,700	1,700	2,050	2,050
WCW	HRP	Mnth 1	Increase	USD	1,870	1,700	2,255	2,050
WCW	Non-HRP	Mnth 2	Increase	USD	1,650	1,650	2,000	2,000
WCW	HRP	Mnth 2	Increase	USD	1,815	1,650	2,200	2,000
WCW	Non-HRP	Mnths 3+	Increase	USD	1,600	1,600	1,900	1,900
WCW	HRP	Mnths 3+	Increase	USD	1,760	1,600	2,090	1,900
MARS (ARGUS) V WTI TRD MTH FUT (YV)								
YV	Non-HRP	Mnths 3-7	Increase	USD	800	800	880	880
YV	HRP	Mnths 3-7	Increase	USD	880	800	968	880
YV	Non-HRP	Mnths 8+	Increase	USD	550	550	600	600
YV	HRP	Mnths 8+	Increase	USD	605	550	660	600
DME Products - Outright Rates								
BRENT (SPORE) VS DME OMAN (BDS)								
BDS	Non-HRP	Mnth 1	Increase	USD	2,300	2,300	2,950	2,950
BDS	HRP	Mnth 1	Increase	USD	2,530	2,300	3,245	2,950
BDS	Non-HRP	Mnths 2+	Increase	USD	2,250	2,250	2,700	2,700
BDS	HRP	Mnths 2+	Increase	USD	2,475	2,250	2,970	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ENVIRONMENTAL - Outright Rates								
CBL CRE GLBL EMI OFST (C-GEO) FUT (CGO)								
CGO	Non-HRP	Mth 1	Decrease	USD	1,000	1,000	750	750
CGO	HRP	Mth 1	Decrease	USD	1,100	1,000	825	750
CGO	Non-HRP	Mth 2	Decrease	USD	1,000	1,000	750	750
CGO	HRP	Mth 2	Decrease	USD	1,100	1,000	825	750
CGO	Non-HRP	Mths 3-6	Decrease	USD	1,000	1,000	750	750
CGO	HRP	Mths 3-6	Decrease	USD	1,100	1,000	825	750
CGO	Non-HRP	Mths 7+	Decrease	USD	1,000	1,000	750	750
CGO	HRP	Mths 7+	Decrease	USD	1,100	1,000	825	750
CBL GLOBAL EMISSIONS OFFSET FUTURES (GEO)								
GEO	Non-HRP	Mth 1	Decrease	USD	1,300	1,300	1,150	1,150
GEO	HRP	Mth 1	Decrease	USD	1,430	1,300	1,265	1,150
GEO	Non-HRP	Mth 2	Decrease	USD	1,300	1,300	1,150	1,150
GEO	HRP	Mth 2	Decrease	USD	1,430	1,300	1,265	1,150
GEO	Non-HRP	Mths 3-6	Decrease	USD	1,300	1,300	1,150	1,150
GEO	HRP	Mths 3-6	Decrease	USD	1,430	1,300	1,265	1,150
GEO	Non-HRP	Mths 7+	Decrease	USD	1,300	1,300	1,150	1,150
GEO	HRP	Mths 7+	Decrease	USD	1,430	1,300	1,265	1,150
ETHANOL - Outright Rates								
CHICAGO ETHANOL FUT (CU)								
CU	Non-HRP	Mth 1	Decrease	USD	8,200	8,200	7,200	7,200
CU	HRP	Mth 1	Decrease	USD	9,020	8,200	7,920	7,200
CU	Non-HRP	Mths 2	Decrease	USD	7,750	7,750	7,000	7,000
CU	HRP	Mths 2	Decrease	USD	8,525	7,750	7,700	7,000
CU	Non-HRP	Mth 3-7	Decrease	USD	7,500	7,500	6,500	6,500
CU	HRP	Mth 3-7	Decrease	USD	8,250	7,500	7,150	6,500
CU	Non-HRP	Mnth 8+	Decrease	USD	6,650	6,650	6,000	6,000
CU	HRP	Mnth 8+	Decrease	USD	7,315	6,650	6,600	6,000
NEW YORK ETHANOL FUT (EZ)								
EZ	Non-HRP	Mth 1	Decrease	USD	8,800	8,800	7,500	7,500
EZ	HRP	Mth 1	Decrease	USD	9,680	8,800	8,250	7,500
EZ	Non-HRP	Mth 2	Decrease	USD	8,200	8,200	7,000	7,000
EZ	HRP	Mth 2	Decrease	USD	9,020	8,200	7,700	7,000
EZ	Non-HRP	Mths 3-7	Decrease	USD	7,200	7,200	6,200	6,200
EZ	HRP	Mths 3-7	Decrease	USD	7,920	7,200	6,820	6,200
EZ	Non-HRP	Mnths 8+	Decrease	USD	7,200	7,200	6,200	6,200
EZ	HRP	Mnths 8+	Decrease	USD	7,920	7,200	6,820	6,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

FREIGHT - Outright Rates

FREIGHT ROUTE TC14 (BALTIC) FUTURES (FRC)

FRC	Non-HRP	Mnth 1	Increase	USD	7,500	7,500	8,500	8,500
FRC	HRP	Mnth 1	Increase	USD	8,250	7,500	9,350	8,500
FRC	Non-HRP	Mnths 2	Increase	USD	7,500	7,500	8,500	8,500
FRC	HRP	Mnths 2	Increase	USD	8,250	7,500	9,350	8,500
FRC	Non-HRP	Mnths 3+	Increase	USD	5,500	5,500	6,000	6,000
FRC	HRP	Mnths 3+	Increase	USD	6,050	5,500	6,600	6,000

FREIGHT ROUTE TD3C FUTURES (TL)

TL	Non-HRP	Mnth 1	Decrease	USD	5,500	5,500	4,500	4,500
TL	HRP	Mnth 1	Decrease	USD	6,050	5,500	4,950	4,500
TL	Non-HRP	Mnth 2	Decrease	USD	3,500	3,500	3,000	3,000
TL	HRP	Mnth 2	Decrease	USD	3,850	3,500	3,300	3,000
TL	Non-HRP	Mnths 3-6	Decrease	USD	2,500	2,500	2,100	2,100
TL	HRP	Mnths 3-6	Decrease	USD	2,750	2,500	2,310	2,100
TL	Non-HRP	Mnths 7-25	Decrease	USD	2,000	2,000	1,750	1,750
TL	HRP	Mnths 7-25	Decrease	USD	2,200	2,000	1,925	1,750

TC2 ROTTERDAM TO USAC 37K MT (TM)

TM	Non-HRP	Mnth 1	Increase	USD	5,000	5,000	6,000	6,000
TM	HRP	Mnth 1	Increase	USD	5,500	5,000	6,600	6,000
TM	Non-HRP	Mnths 3	Increase	USD	4,500	4,500	5,500	5,500
TM	HRP	Mnths 3	Increase	USD	4,950	4,500	6,050	5,500
TM	Non-HRP	Mnth 2	Increase	USD	5,000	5,000	6,000	6,000
TM	HRP	Mnth 2	Increase	USD	5,500	5,000	6,600	6,000
TM	Non-HRP	Mnths 4+	Increase	USD	3,000	3,000	3,500	3,500
TM	HRP	Mnths 4+	Increase	USD	3,300	3,000	3,850	3,500

TC5 RAS TANURA TO YOKOHAMA 55K MT (TH)

TH	Non-HRP	Mnths 4-6	Increase	USD	4,500	4,500	5,000	5,000
TH	HRP	Mnths 4-6	Increase	USD	4,950	4,500	5,500	5,000
TH	Non-HRP	7+	Increase	USD	4,500	4,500	5,000	5,000
TH	HRP	7+	Increase	USD	4,950	4,500	5,500	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
----	-----------	-------------	--------	-----	-----------------	---------------------	-------------	-----------------

Outright Rates

METALS - Outright Rates

ALUMINIUM EURO PREM DUTY-PAID FUT (EDP)

EDP	Non-HRP	Month(s) 02	Increase	USD	1,950	1,950	2,350	2,350
EDP	HRP	Month(s) 02	Increase	USD	2,145	1,950	2,585	2,350
EDP	Non-HRP	Month(s) 03-09	Increase	USD	1,900	1,900	2,300	2,300
EDP	HRP	Month(s) 03-09	Increase	USD	2,090	1,900	2,530	2,300
EDP	Non-HRP	Month(s) 10+	Increase	USD	1,900	1,900	2,300	2,300
EDP	HRP	Month(s) 10+	Increase	USD	2,090	1,900	2,530	2,300

ALUMINIUM EURO PREM METAL BULLETIN (AEP)

AEP	Non-HRP	Month(s) 10+	Increase	USD	1,800	1,800	2,100	2,100
AEP	HRP	Month(s) 10+	Increase	USD	1,980	1,800	2,310	2,100

NGL/PETROCHEMICALS - Outright Rates

MT BELVIEU ISO BUTANE 5 DEC. S (8I)

8I	Non-HRP	Mnth 1	Increase	USD	5,400	5,400	6,300	6,300
8I	HRP	Mnth 1	Increase	USD	5,940	5,400	6,930	6,300
8I	Non-HRP	Mnth 2	Increase	USD	5,100	5,100	6,000	6,000
8I	HRP	Mnth 2	Increase	USD	5,610	5,100	6,600	6,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Non-HRP	Mth 1	Increase	USD	11,500	11,500	14,500	14,500
EW	HRP	Mth 1	Increase	USD	12,650	11,500	15,950	14,500
EW	Non-HRP	Mths 2	Increase	USD	8,500	8,500	11,500	11,500
EW	HRP	Mths 2	Increase	USD	9,350	8,500	12,650	11,500
EW	Non-HRP	Mths 3-9	Increase	USD	8,000	8,000	11,000	11,000
EW	HRP	Mths 3-9	Increase	USD	8,800	8,000	12,100	11,000
EW	Non-HRP	Mnths 10+	Increase	USD	4,000	4,000	6,000	6,000
EW	HRP	Mnths 10+	Increase	USD	4,400	4,000	6,600	6,000
EURO 3.5% FUEL OIL SPREAD (FK)								
FK	Non-HRP	Mnth 1	Increase	USD	4,700	4,700	5,500	5,500
FK	HRP	Mnth 1	Increase	USD	5,170	4,700	6,050	5,500
FK	Non-HRP	Mnth 2-3	Increase	USD	2,500	2,500	3,500	3,500
FK	HRP	Mnth 2-3	Increase	USD	2,750	2,500	3,850	3,500
FK	Non-HRP	Mnths 4-11	Increase	USD	2,250	2,250	3,200	3,200
FK	HRP	Mnths 4-11	Increase	USD	2,475	2,250	3,520	3,200
FK	Non-HRP	Mnths 12+	Increase	USD	1,800	1,800	2,600	2,600
FK	HRP	Mnths 12+	Increase	USD	1,980	1,800	2,860	2,600
GAS EBOB OXY BARGES VS EURO NAPHTHA (EGN)								
EGN	Non-HRP	Mnth 1	Increase	USD	23,000	23,000	31,500	31,500
EGN	HRP	Mnth 1	Increase	USD	25,300	23,000	34,650	31,500
EGN	Non-HRP	Mnth 2	Increase	USD	22,500	22,500	30,500	30,500
EGN	HRP	Mnth 2	Increase	USD	24,750	22,500	33,550	30,500
EGN	Non-HRP	Mnths 3+	Increase	USD	20,000	20,000	28,000	28,000
EGN	HRP	Mnths 3+	Increase	USD	22,000	20,000	30,800	28,000
GAS EUROBOB NON OXY BARGES(ARG) CRA (GNS)								
GNS	Non-HRP	Mnth 1	Increase	USD	4,000	4,000	5,500	5,500
GNS	HRP	Mnth 1	Increase	USD	4,400	4,000	6,050	5,500
GNS	Non-HRP	Mnth 2-6	Increase	USD	3,750	3,750	5,000	5,000
GNS	HRP	Mnth 2-6	Increase	USD	4,125	3,750	5,500	5,000
GNS	Non-HRP	Mnths 7+	Increase	USD	3,000	3,000	3,500	3,500
GNS	HRP	Mnths 7+	Increase	USD	3,300	3,000	3,850	3,500
GASOLINE 10 PPM PLATTS FOB CRK SPRD (GKS)								
GKS	Non-HRP	Mnths 1-6	Increase	USD	2,550	2,550	3,600	3,600
GKS	HRP	Mnths 1-6	Increase	USD	2,805	2,550	3,960	3,600
GKS	Non-HRP	Mnths 7+	Increase	USD	2,500	2,500	3,550	3,550
GKS	HRP	Mnths 7+	Increase	USD	2,750	2,500	3,905	3,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GLFCST ULSD ARGUS UP/DN BALMO FUT (GUD)								
GUD	Non-HRP		Increase	USD	1,700	1,700	2,000	2,000
GUD	HRP		Increase	USD	1,870	1,700	2,200	2,000
GLFCST ULSD ARGUS UP/DN FUT (US)								
US	Non-HRP	Mnth 1	Increase	USD	1,040	1,040	1,550	1,550
US	HRP	Mnth 1	Increase	USD	1,144	1,040	1,705	1,550
US	Non-HRP	Mnths 2+	Increase	USD	775	775	1,100	1,100
US	HRP	Mnths 2+	Increase	USD	853	775	1,210	1,100
JAPAN C&F NAPHTHA DUBAI (PLATTS) CR (JNC)								
JNC	Non-HRP	Mnth 1	Increase	USD	2,250	2,250	3,000	3,000
JNC	HRP	Mnth 1	Increase	USD	2,475	2,250	3,300	3,000
JNC	Non-HRP	Mnths 2+	Increase	USD	2,000	2,000	2,800	2,800
JNC	HRP	Mnths 2+	Increase	USD	2,200	2,000	3,080	2,800
JET FUEL BRG FOB RDM V ICE BLM (9Q)								
9Q	Non-HRP		Increase	USD	8,000	8,000	11,000	11,000
9Q	HRP		Increase	USD	8,800	8,000	12,100	11,000
LA CARBD (OPIS) VS. NY HRBR ULSD (KL)								
KL	Non-HRP	Mnth 2	Increase	USD	4,200	4,200	4,750	4,750
KL	HRP	Mnth 2	Increase	USD	4,620	4,200	5,225	4,750
KL	Non-HRP	Mnths 3+	Increase	USD	4,100	4,100	4,700	4,700
KL	HRP	Mnths 3+	Increase	USD	4,510	4,100	5,170	4,700
MIN ULSD 10PPM CRGOS CIF MED VS GSL (UCM)								
UCM	Non-HRP	Mnth 1	Increase	USD	350	350	525	525
UCM	HRP	Mnth 1	Increase	USD	385	350	578	525
UCM	Non-HRP	Mnth 2+	Increase	USD	270	270	400	400
UCM	HRP	Mnth 2+	Increase	USD	297	270	440	400
MINI EAST-WEST FUEL OIL FUTURES (MEW)								
MEW	Non-HRP	Mth 1	Increase	USD	1,150	1,150	1,450	1,450
MEW	HRP	Mth 1	Increase	USD	1,265	1,150	1,595	1,450
MEW	Non-HRP	Mths 2	Increase	USD	850	850	1,150	1,150
MEW	HRP	Mths 2	Increase	USD	935	850	1,265	1,150
MEW	Non-HRP	Mths 3-9	Increase	USD	800	800	1,100	1,100
MEW	HRP	Mths 3-9	Increase	USD	880	800	1,210	1,100
MEW	Non-HRP	Mnths 10+	Increase	USD	400	400	600	600
MEW	HRP	Mnths 10+	Increase	USD	440	400	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
RBOB GAS VS EUROBOB NON-OXY NWE FUT (RGF)								
RGF	Non-HRP	Mnth 1	Increase	USD	13,500	13,500	20,000	20,000
RGF	HRP	Mnth 1	Increase	USD	14,850	13,500	22,000	20,000
RGF	Non-HRP	Mnths 2-6	Increase	USD	13,000	13,000	17,000	17,000
RGF	HRP	Mnths 2-6	Increase	USD	14,300	13,000	18,700	17,000
RGF	Non-HRP	Mnths 7+	Increase	USD	12,800	12,800	15,000	15,000
RGF	HRP	Mnths 7+	Increase	USD	14,080	12,800	16,500	15,000
SING JET KERO VS GASOIL SPR B (Z0)								
Z0	Non-HRP		Increase	USD	1,000	1,000	1,500	1,500
Z0	HRP		Increase	USD	1,100	1,000	1,650	1,500
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Non-HRP	Mnths 1	Increase	USD	4,600	4,600	6,000	6,000
SD	HRP	Mnths 1	Increase	USD	5,060	4,600	6,600	6,000
SD	Non-HRP	Mnth 2	Increase	USD	4,000	4,000	5,600	5,600
SD	HRP	Mnth 2	Increase	USD	4,400	4,000	6,160	5,600
SD	Non-HRP	Mnths 3-6	Increase	USD	3,000	3,000	4,200	4,200
SD	HRP	Mnths 3-6	Increase	USD	3,300	3,000	4,620	4,200
SD	Non-HRP	Mnths 7+	Increase	USD	1,800	1,800	2,700	2,700
SD	HRP	Mnths 7+	Increase	USD	1,980	1,800	2,970	2,700
SINGAPORE GAS 92 VS EUROBOB NON-OXY (SGF)								
SGF	Non-HRP	Mnth 1	Increase	USD	3,000	3,000	3,500	3,500
SGF	HRP	Mnth 1	Increase	USD	3,300	3,000	3,850	3,500
SGF	Non-HRP	Mnths 2-6	Increase	USD	2,025	2,025	3,000	3,000
SGF	HRP	Mnths 2-6	Increase	USD	2,228	2,025	3,300	3,000
SGF	Non-HRP	Mnths 7+	Increase	USD	1,800	1,800	2,600	2,600
SGF	HRP	Mnths 7+	Increase	USD	1,980	1,800	2,860	2,600
SINGAPORE GASOIL VS ICE (GA)								
GA	Non-HRP	Mnth 1	Decrease	USD	3,000	3,000	2,800	2,800
GA	HRP	Mnth 1	Decrease	USD	3,300	3,000	3,080	2,800
GA	Non-HRP	Mnth 2	Decrease	USD	2,400	2,400	2,100	2,100
GA	HRP	Mnth 2	Decrease	USD	2,640	2,400	2,310	2,100
SINGAPORE JET KEROSENE VS GASOIL (RHS)								
RHS	Non-HRP	Mnth 1	Increase	USD	2,400	2,400	3,600	3,600
RHS	HRP	Mnth 1	Increase	USD	2,640	2,400	3,960	3,600
RHS	Non-HRP	Mnth 2	Increase	USD	1,900	1,900	2,800	2,800
RHS	HRP	Mnth 2	Increase	USD	2,090	1,900	3,080	2,800
RHS	Non-HRP	Mnth 3+	Increase	USD	1,400	1,400	2,000	2,000
RHS	HRP	Mnth 3+	Increase	USD	1,540	1,400	2,200	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE JET KEROSENE VS. GASOIL 5 (RHB)								
RHB	Non-HRP		Increase	USD	1,350	1,350	2,000	2,000
RHB	HRP		Increase	USD	1,485	1,350	2,200	2,000
SINGAPORE GASOIL V SINGAGSOL 500 PPM (STZ)								
STZ	Non-HRP	Mnth 1	Increase	USD	360	360	540	540
STZ	HRP	Mnth 1	Increase	USD	396	360	594	540
STZ	Non-HRP	Mnth 2+	Increase	USD	360	360	535	535
STZ	HRP	Mnth 2+	Increase	USD	396	360	589	535
SPORE MOGAS92 UNLD DUBAI SPRD FUT (1ND)								
1ND	Non-HRP		Increase	USD	2,500	2,500	3,750	3,750
1ND	HRP		Increase	USD	2,750	2,500	4,125	3,750
ULSD 10P CRG CIF NW V ICE BL (3V)								
3V	Non-HRP		Increase	USD	1,900	1,900	2,800	2,800
3V	HRP		Increase	USD	2,090	1,900	3,080	2,800
3V	Non-HRP	Tier 2	Increase	USD	1,900	1,900	2,800	2,800
3V	HRP	Tier 2	Increase	USD	2,090	1,900	3,080	2,800
3V	Non-HRP	Tier 3	Increase	USD	1,900	1,900	2,800	2,800
3V	HRP	Tier 3	Increase	USD	2,090	1,900	3,080	2,800
3V	Non-HRP	Tier 4	Increase	USD	2,400	2,400	2,700	2,700
3V	HRP	Tier 4	Increase	USD	2,640	2,400	2,970	2,700
ULSD 10PPM CIF MED VS. ICE GAS (Z7)								
Z7	Non-HRP	Mnth 1	Increase	USD	3,500	3,500	5,250	5,250
Z7	HRP	Mnth 1	Increase	USD	3,850	3,500	5,775	5,250
Z7	Non-HRP	Mnth 2+	Increase	USD	2,700	2,700	4,000	4,000
Z7	HRP	Mnth 2+	Increase	USD	2,970	2,700	4,400	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
REFINED PRODUCTS - Outright Rates								
DALY EURO 3.5% FOIL BRGES FOB RDAM (FOR)								
FOR	Non-HRP		Increase	USD	2,700	2,700	4,000	4,000
FOR	HRP		Increase	USD	2,970	2,700	4,400	4,000
DALY GAS EUROBOB OXY ARGS NWE BRGS (GBR)								
GBR	Non-HRP		Increase	USD	4,500	4,500	6,000	6,000
GBR	HRP		Increase	USD	4,950	4,500	6,600	6,000
EUROPEAN GASOIL ICE FUTURE (7F)								
7F	Non-HRP	Mnth 1	Decrease	USD	11,500	11,500	10,000	10,000
7F	HRP	Mnth 1	Decrease	USD	12,650	11,500	11,000	10,000
7F	Non-HRP	Mnths 2	Decrease	USD	9,300	9,300	8,300	8,300
7F	HRP	Mnths 2	Decrease	USD	10,230	9,300	9,130	8,300
7F	Non-HRP	Mnths 3-6	Decrease	USD	7,650	7,650	6,900	6,900
7F	HRP	Mnths 3-6	Decrease	USD	8,415	7,650	7,590	6,900
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Non-HRP	Mnth 1	Decrease	USD	11,500	11,500	10,000	10,000
7FT	HRP	Mnth 1	Decrease	USD	12,650	11,500	11,000	10,000
7FT	Non-HRP	Mnths 2	Decrease	USD	9,300	9,300	8,300	8,300
7FT	HRP	Mnths 2	Decrease	USD	10,230	9,300	9,130	8,300
7FT	Non-HRP	Mnths 3-6	Decrease	USD	7,650	7,650	6,900	6,900
7FT	HRP	Mnths 3-6	Decrease	USD	8,415	7,650	7,590	6,900
GASOIL BULLET FUT (BG)								
BG	Non-HRP	Mnth 1	Decrease	USD	115,000	115,000	100,000	100,000
BG	HRP	Mnth 1	Decrease	USD	126,500	115,000	110,000	100,000
BG	Non-HRP	Mnths 2	Decrease	USD	93,000	93,000	83,000	83,000
BG	HRP	Mnths 2	Decrease	USD	102,300	93,000	91,300	83,000
BG	Non-HRP	Mnths 3-6	Decrease	USD	76,500	76,500	69,000	69,000
BG	HRP	Mnths 3-6	Decrease	USD	84,150	76,500	75,900	69,000
NY (ARGUS) VS. NY HRBR ULSD BALMO (ULB)								
ULB	Non-HRP		Increase	USD	1,000	1,000	1,500	1,500
ULB	HRP		Increase	USD	1,100	1,000	1,650	1,500
SG VISCOSITY SPREAD BALMO (MSD)								
MSD	Non-HRP		Increase	USD	4,750	4,750	6,500	6,500
MSD	HRP		Increase	USD	5,225	4,750	7,150	6,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
----	-----------	-------------	--------	-----	-----------------	---------------------	-------------	-----------------

Outright Rates

SYNTHETIC GASOIL BULLET FUT (SBG)

SBG	Non-HRP	Mnth 1	Decrease	USD	115,000	115,000	100,000	100,000
SBG	HRP	Mnth 1	Decrease	USD	126,500	115,000	110,000	100,000
SBG	Non-HRP	Mnths 2	Decrease	USD	93,000	93,000	83,000	83,000
SBG	HRP	Mnths 2	Decrease	USD	102,300	93,000	91,300	83,000
SBG	Non-HRP	Mnths 3-6	Decrease	USD	76,500	76,500	69,000	69,000
SBG	HRP	Mnths 3-6	Decrease	USD	84,150	76,500	75,900	69,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL SPREADS - Intra Spreads								
Mnths 3+ vs 3+ (MARS (ARGUS) V WTI TRD MTH FUT)								
YV	Non-HRP		Increase	USD	500	500	610	610
YV	HRP		Increase	USD	550	500	671	610
Relperiod 2vs3+ (MARS (ARGUS) V WTI TRD MTH FUT)								
YV	Non-HRP		Increase	USD	330	330	370	370
YV	HRP		Increase	USD	363	330	407	370
WTS (Argus) vs. WTI Spread Trade Month Swap - All Months (WTS (ARGUS) V WTI TRD MTH FUT)								
FH	Non-HRP		Increase	USD	275	275	325	325
FH	HRP		Increase	USD	303	275	358	325
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
Los Angeles Carb Diesel (OPIS) Spread Swap - All Months (LA CARBD (OPIS) VS. NY HRBR ULSD)								
KL	Non-HRP		Increase	USD	3,200	3,200	4,000	4,000
KL	HRP		Increase	USD	3,520	3,200	4,400	4,000
Mnth 1 vs 2+ (SINGAPORE GAS 92 VS EUROBOB NON-OXY)								
SGF	Non-HRP		Increase	USD	3,000	3,000	3,500	3,500
SGF	HRP		Increase	USD	3,300	3,000	3,850	3,500
New York Jet Fuel (Argus) vs. Heating Oil Spread Swap Futures - (5U) - Mnth 2+ vs 2+ (NY ULSD VS. NY HRBR ULSD FUT)								
7Y	Non-HRP		Increase	USD	1,200	1,200	1,650	1,650
7Y	HRP		Increase	USD	1,320	1,200	1,815	1,650
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Consecutives (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	1,100	1,100	1,300	1,300
GA	HRP		Increase	USD	1,210	1,100	1,430	1,300
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tier 2v3 (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	1,400	1,400	1,600	1,600
GA	HRP		Increase	USD	1,540	1,400	1,760	1,600
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tier 3v3 (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	1,050	1,050	1,350	1,350
GA	HRP		Increase	USD	1,155	1,050	1,485	1,350
Singapore Jet Regrade: Jet Kero vs Gasoil Swap - Month 1 vs 2+ (SINGAPORE JET KERO GASOIL FUT)								
RK	Non-HRP		Increase	USD	1,400	1,400	1,700	1,700
RK	HRP		Increase	USD	1,540	1,400	1,870	1,700

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								
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	1,500	1,500	2,250	2,250
7F	HRP		Increase	USD	1,650	1,500	2,475	2,250
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	1,500	1,500	2,250	2,250
7FT	HRP		Increase	USD	1,650	1,500	2,475	2,250
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	15,000	15,000	22,500	22,500
BG	HRP		Increase	USD	16,500	15,000	24,750	22,500
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	15,000	15,000	22,500	22,500
SBG	HRP		Increase	USD	16,500	15,000	24,750	22,500
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	800	800	1,800	1,800
7F	HRP		Increase	USD	880	800	1,980	1,800
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	800	800	1,800	1,800
7FT	HRP		Increase	USD	880	800	1,980	1,800
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	8,000	8,000	18,000	18,000
BG	HRP		Increase	USD	8,800	8,000	19,800	18,000
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	8,000	8,000	18,000	18,000
SBG	HRP		Increase	USD	8,800	8,000	19,800	18,000
European Gasoil Bullet Swap - Tier 3 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	1,500	1,500	2,250	2,250
7F	HRP		Increase	USD	1,650	1,500	2,475	2,250
European Gasoil Bullet Swap - Tier 3 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	1,500	1,500	2,250	2,250
7FT	HRP		Increase	USD	1,650	1,500	2,475	2,250
European Gasoil Bullet Swap - Tier 3 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	15,000	15,000	22,500	22,500
BG	HRP		Increase	USD	16,500	15,000	24,750	22,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Gasoil Bullet Swap - Tier 3 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	15,000	15,000	22,500	22,500
SBG	HRP		Increase	USD	16,500	15,000	24,750	22,500
Singapore 380cst Fuel Oil Swap - Consecutives (MICRO SINGAPORE FUEL OIL 380CST (PL))								
MAF	Non-HRP		Increase	USD	50	50	59	59
MAF	HRP		Increase	USD	55	50	65	59
Singapore 380cst Fuel Oil Swap - Consecutives (MINI SINGAPORE 380CST FUEL OIL FUT)								
MTS	Non-HRP		Increase	USD	500	500	590	590
MTS	HRP		Increase	USD	550	500	649	590
Singapore 380cst Fuel Oil Swap - Consecutives (SINGAPORE 380CST FUEL OIL FUT)								
SE	Non-HRP		Increase	USD	5,000	5,000	5,900	5,900
SE	HRP		Increase	USD	5,500	5,000	6,490	5,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
Bloomberg Commodity Index Futures (70) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Futures (70) vs Corn Futures (C)						
Spread Credit Rate	New	-3:+1			50%	50%
Bloomberg Commodity Index Futures (70) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-14:+1			55%	55%
Bloomberg Commodity Index Futures (70) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Futures (70) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-13:+1			50%	50%
Bloomberg Commodity Index Futures (70) vs Silver Futures (CX-SI)						
Spread Credit Rate	New	-9:+1			55%	55%
Bloomberg Commodity Index Futures (70) vs Soybean Futures (S)						
Spread Credit Rate	New	-7:+1			45%	45%
Bloomberg Commodity Index Swaps (DGS) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Swaps (DGS) vs Corn Futures (C)						
Spread Credit Rate	New	-3:+1			50%	50%
Bloomberg Commodity Index Swaps (DGS) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-14:+1			55%	55%
Bloomberg Commodity Index Swaps (DGS) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Swaps (DGS) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-13:+1			50%	50%
Bloomberg Commodity Index Swaps (DGS) vs Silver Futures (CX-SI)						
Spread Credit Rate	New	-9:+1			55%	55%
Bloomberg Commodity Index Swaps (DGS) vs Soybean Futures (S)						
Spread Credit Rate	New	-7:+1			45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
Bloomberg Commodity Index Futures (70) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Futures (70) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Swaps (DGS) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-9:+1			45%	45%
Bloomberg Commodity Index Swaps (DGS) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-9:+1			45%	45%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+9:-1	83%	83%	78%	78%
Spread Credit Rate	Decrease	+9:-1	83%	83%	77%	77%
Spread Credit Rate	Decrease	+9:-1	84%	84%	79%	79%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	76%	76%	70%	70%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	74%	74%	68%	68%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			68%	68%
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	73%	73%	65%	65%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	75%	75%	68%	68%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	76%	76%	69%	69%
Spread Credit Rate	Decrease	+1:-1	77%	77%	70%	70%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	81%	81%	75%	75%
Spread Credit Rate	Decrease	+1:-1	73%	73%	65%	65%
Spread Credit Rate	Decrease	+1:-1	75%	75%	68%	68%
HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP) vs DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	72%	72%
Spread Credit Rate	Decrease	+1:-1	76%	76%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs JAPAN C&F NAPHTHA (Platts) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+9:-1	85%	85%	80%	80%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	63%	63%
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	75%	75%	72%	72%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	75%	75%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
Spread Credit Rate	Decrease	+1:-1	70%	70%	68%	68%
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME) vs ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES (NY-E5 - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
Spread Credit Rate	Decrease	+1:-1	65%	65%	56%	56%
WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME) vs WTI MIDLAND (ARGUS) VS. WTI FINANCIAL FUTURES (NY-FF - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
Spread Credit Rate	Decrease	+1:-1	65%	65%	57%	57%
WTS (ARGUS) VS. WTI SPREAD TRADE MONTH SWAP FUTURES (NY-FH - CME) vs WTI MIDLAND (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-WTT - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	62%	62%
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
DME Products - Inter-commodity Spread Rates						
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	66%	66%
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	69%	69%
Spread Credit Rate	Decrease	+1:-1	73%	73%	70%	70%
OMAN CRUDE OIL (NY-OQ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	74%	74%	67%	67%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	56%	56%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
METALS - Inter-commodity Spread Rates						
Bloomberg Commodity Index Futures (70) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-14:+1			55%	55%
Bloomberg Commodity Index Futures (70) vs Silver Futures (CX-SI)						
Spread Credit Rate	New	-9:+1			55%	55%
Bloomberg Commodity Index Swaps (DGS) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-14:+1			55%	55%
Bloomberg Commodity Index Swaps (DGS) vs Silver Futures (CX-SI)						
Spread Credit Rate	New	-9:+1			55%	55%
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	55%	55%
Spread Credit Rate	Decrease	+1:-12	50%	50%	42%	42%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	78%	78%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%

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						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	55%	55%
Spread Credit Rate	Decrease	+1:-12	50%	50%	42%	42%
Bloomberg Commodity Index Futures (70) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-13:+1			50%	50%
Bloomberg Commodity Index Swaps (DGS) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-13:+1			50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+9:-1	83%	83%	78%	78%
Spread Credit Rate	Decrease	+9:-1	83%	83%	77%	77%
Spread Credit Rate	Decrease	+9:-1	84%	84%	79%	79%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-1	55%	55%	48%	48%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	76%	76%	70%	70%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	74%	74%	68%	68%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			68%	68%
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						
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	66%	66%
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
EIA FLAT TAX ONHWAY DIESEL SWP (NY-A5) vs NY HARBOR RESIDUAL FUEL 1.0% S(NY-MM)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	68%	68%
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	75%	75%	70%	70%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	55%	55%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+3:-19	65%	65%	55%	55%
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	53%	53%	45%	45%
Spread Credit Rate	Decrease	+2:-15	60%	60%	48%	48%
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	74%	74%	71%	71%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-9	65%	65%	56%	56%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+1:-1	73%	73%	68%	68%
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+3:-25	68%	68%	58%	58%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	73%	73%	65%	65%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	75%	75%	68%	68%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	76%	76%	69%	69%
Spread Credit Rate	Decrease	+1:-1	77%	77%	70%	70%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	81%	81%	75%	75%
Spread Credit Rate	Decrease	+1:-1	73%	73%	65%	65%
Spread Credit Rate	Decrease	+1:-1	75%	75%	68%	68%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	61%	61%
Spread Credit Rate	Decrease	+1:-1	73%	73%	65%	65%
HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP) vs DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	72%	72%
Spread Credit Rate	Decrease	+1:-1	76%	76%	70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-9	80%	80%	76%	76%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-9	81%	81%	76%	76%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+2:-15	80%	80%	74%	74%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE MOGAS 95 UNLEADED (PLATTS) SWAP FUTURES (NY-V0 - CME)						
Spread Credit Rate	Decrease	+1:-9	75%	75%	68%	68%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE MOGAS 97 UNLEADED (PLATTS) SWAP FUTURES (NY-X0 - CME)						
Spread Credit Rate	Decrease	+1:-9	70%	70%	66%	66%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs JAPAN C&F NAPHTHA (Platts) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+9:-1	85%	85%	80%	80%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	63%	63%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	74%	74%	68%	68%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	69%	69%
Spread Credit Rate	Decrease	+1:-1	73%	73%	70%	70%
NY-3G - PREMIUM UNLD 10P FOB MED SWP vs NY-SG - SINGAPORE GASOIL SWAP						
Spread Credit Rate	Decrease	+2:-15	65%	65%	55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
Spread Credit Rate	Decrease	+1:-1	74%	74%	67%	67%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
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	75%	75%	72%	72%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	75%	75%	70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	75%	75%	72%	72%
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	53%	53%	46%	46%
Spread Credit Rate	Decrease	+2:-15	61%	61%	50%	50%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	48%	48%
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	56%	56%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	60%	60%	50%	50%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
SINGAPORE GASOIL SWAP (NYM-SG - CME) vs SINGAPORE 380CST FUEL OIL (PLATTS) SWAP (NYM-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	62%	62%	52%	52%
SINGAPORE GASOIL SWAP (NY-SG) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Decrease	+1:-1	54%	54%	50%	50%
Spread Credit Rate	Decrease	+1:-1	62%	62%	51%	51%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	80%	80%	74%	74%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
Spread Credit Rate	Decrease	+1:-1	70%	70%	68%	68%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	76%	76%	70%	70%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	68%	68%	59%	59%