



23-108

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, March 30, 2023

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, March 31, 2023.

Current rates as of:

Thursday, March 30, 2023.

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								
CRUDE OIL - Outright Rates								
ARGUS LLS TRADE MONTH FUT (A4)								
A4	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
A4	HRP		Decrease	USD	7,700	7,000	6,600	6,000
ARGUS SOUR CRUDE IDX CAL MTH FUT (37)								
37	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
37	HRP		Decrease	USD	7,700	7,000	6,600	6,000
ARGUS SOUR CRUDE IND WGT(ASCI) TRD (29)								
29	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
29	HRP		Decrease	USD	7,700	7,000	6,600	6,000
ARGUS WTI FORMULA BASIS CAL FUT (39)								
39	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
39	HRP		Decrease	USD	7,700	7,000	6,600	6,000
DAILY WTI CALENDAR FUT (DCL)								
DCL	Non-HRP		Decrease	USD	7,400	7,400	6,250	6,250
DCL	HRP		Decrease	USD	8,140	7,400	6,875	6,250
DATED BRENT (PLATTS) DAILY FUT (7G)								
7G	Non-HRP		Decrease	USD	7,250	7,250	6,500	6,500
7G	HRP		Decrease	USD	7,975	7,250	7,150	6,500
DUBAI CRUDE OIL CALENDAR FUT (DC)								
DC	Non-HRP	Mnth1	Decrease	USD	6,900	6,900	6,000	6,000
DC	HRP	Mnth1	Decrease	USD	7,590	6,900	6,600	6,000
DC	Non-HRP	Mnth 2	Decrease	USD	6,600	6,600	5,800	5,800
DC	HRP	Mnth 2	Decrease	USD	7,260	6,600	6,380	5,800
DC	Non-HRP	Mnth 3-8	Decrease	USD	6,300	6,300	5,600	5,600
DC	HRP	Mnth 3-8	Decrease	USD	6,930	6,300	6,160	5,600
DC	Non-HRP	Mnth9+	Decrease	USD	5,700	5,700	4,750	4,750
DC	HRP	Mnth9+	Decrease	USD	6,270	5,700	5,225	4,750
EUROPE DATED BRENT FUT (UB)								
UB	Non-HRP	Mths 7+	Decrease	USD	6,750	6,750	5,750	5,750
UB	HRP	Mths 7+	Decrease	USD	7,425	6,750	6,325	5,750
UB	Non-HRP	Mths 1 - 6	Decrease	USD	7,000	7,000	6,000	6,000
UB	HRP	Mths 1 - 6	Decrease	USD	7,700	7,000	6,600	6,000
ICE BRENT-EURO DENOMINATED CAL FUT (IBE)								
IBE	Non-HRP	Mnth 1	Decrease	EUR	6,900	6,900	6,200	6,200
IBE	HRP	Mnth 1	Decrease	EUR	7,590	6,900	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								
IBE	Non-HRP	Mnth 2-4	Decrease	EUR	6,500	6,500	5,800	5,800
IBE	HRP	Mnth 2-4	Decrease	EUR	7,150	6,500	6,380	5,800
IBE	Non-HRP	Mnth 5-16	Decrease	EUR	6,000	6,000	5,200	5,200
IBE	HRP	Mnth 5-16	Decrease	EUR	6,600	6,000	5,720	5,200
IBE	Non-HRP	Mnth 17+	Decrease	EUR	5,000	5,000	4,500	4,500
IBE	HRP	Mnth 17+	Decrease	EUR	5,500	5,000	4,950	4,500
JAPAN CRUDE COCKTAIL (DETAILED) FUT (JCC)								
JCC	Non-HRP	Mnth1	Decrease	USD	7,000	7,000	6,500	6,500
JCC	HRP	Mnth1	Decrease	USD	7,700	7,000	7,150	6,500
JCC	Non-HRP	Mnth 2	Decrease	USD	6,500	6,500	6,000	6,000
JCC	HRP	Mnth 2	Decrease	USD	7,150	6,500	6,600	6,000
JCC	Non-HRP	Mnths 3-4	Decrease	USD	6,250	6,250	5,700	5,700
JCC	HRP	Mnths 3-4	Decrease	USD	6,875	6,250	6,270	5,700
JCC	Non-HRP	Mnths 5-8	Decrease	USD	6,000	6,000	5,600	5,600
JCC	HRP	Mnths 5-8	Decrease	USD	6,600	6,000	6,160	5,600
JCC	Non-HRP	Mnths 9+	Decrease	USD	5,750	5,750	5,000	5,000
JCC	HRP	Mnths 9+	Decrease	USD	6,325	5,750	5,500	5,000
JAPAN CRUDE COCKTAIL (DETL) YEN FUT (JCY)								
JCY	Non-HRP	Mnth1	Decrease	JPY	945,000	945,000	850,000	850,000
JCY	HRP	Mnth1	Decrease	JPY	1,039,500	945,000	935,000	850,000
JCY	Non-HRP	Mnth 2	Decrease	JPY	880,000	880,000	790,000	790,000
JCY	HRP	Mnth 2	Decrease	JPY	968,000	880,000	869,000	790,000
JCY	Non-HRP	Mnths 3-4	Decrease	JPY	845,000	845,000	750,000	750,000
JCY	HRP	Mnths 3-4	Decrease	JPY	929,500	845,000	825,000	750,000
JCY	Non-HRP	Mnths 5-8	Decrease	JPY	810,000	810,000	720,000	720,000
JCY	HRP	Mnths 5-8	Decrease	JPY	891,000	810,000	792,000	720,000
JCY	Non-HRP	Mnths 9+	Decrease	JPY	775,000	775,000	650,000	650,000
JCY	HRP	Mnths 9+	Decrease	JPY	852,500	775,000	715,000	650,000
LOOP GULF COAST SOUR CRUDE OIL (MB)								
MB	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
MB	HRP		Decrease	USD	7,700	7,000	6,600	6,000
MARS (ARGUS) TRADE MONTH FUT (MO)								
MO	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
MO	HRP		Decrease	USD	7,700	7,000	6,600	6,000
MARS(ARGUS) CALENDAR FUT (MX)								
MX	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
MX	HRP		Decrease	USD	7,700	7,000	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								
MINI DATED BRENT (PLATTS) FINANCIAL (MDB)								
MDB	Non-HRP	Mths 7+	Decrease	USD	675	675	575	575
MDB	HRP	Mths 7+	Decrease	USD	743	675	633	575
MDB	Non-HRP	Mths 1 - 6	Decrease	USD	700	700	600	600
MDB	HRP	Mths 1 - 6	Decrease	USD	770	700	660	600
MINI DUBAI CRUDE OIL (PLATTS) FUT (DBL)								
DBL	Non-HRP	Mnth1	Decrease	USD	690	690	600	600
DBL	HRP	Mnth1	Decrease	USD	759	690	660	600
DBL	Non-HRP	Mnth 2	Decrease	USD	660	660	580	580
DBL	HRP	Mnth 2	Decrease	USD	726	660	638	580
DBL	Non-HRP	Mnth 3-8	Decrease	USD	630	630	560	560
DBL	HRP	Mnth 3-8	Decrease	USD	693	630	616	560
DBL	Non-HRP	Mnth9+	Decrease	USD	570	570	475	475
DBL	HRP	Mnth9+	Decrease	USD	627	570	523	475
WTI (ARGUS) TRADE MONTH FUT (V7)								
V7	Non-HRP	Mnth 1	Decrease	USD	7,000	7,000	6,000	6,000
V7	HRP	Mnth 1	Decrease	USD	7,700	7,000	6,600	6,000
V7	Non-HRP	Mnth 2	Decrease	USD	6,900	6,900	5,800	5,800
V7	HRP	Mnth 2	Decrease	USD	7,590	6,900	6,380	5,800
V7	Non-HRP	Mnth 3-6	Decrease	USD	6,700	6,700	5,700	5,700
V7	HRP	Mnth 3-6	Decrease	USD	7,370	6,700	6,270	5,700
V7	Non-HRP	Mnth 7-9	Decrease	USD	6,600	6,600	5,600	5,600
V7	HRP	Mnth 7-9	Decrease	USD	7,260	6,600	6,160	5,600
V7	Non-HRP	Mnth 10-12	Decrease	USD	6,500	6,500	5,500	5,500
V7	HRP	Mnth 10-12	Decrease	USD	7,150	6,500	6,050	5,500
V7	Non-HRP	Mnths 13+	Decrease	USD	5,700	5,700	4,800	4,800
V7	HRP	Mnths 13+	Decrease	USD	6,270	5,700	5,280	4,800
WTI HOUSTON (ARGUS) FINANCIAL FUT (HIA)								
HIA	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
HIA	HRP		Decrease	USD	7,700	7,000	6,600	6,000
WTI HOUSTON (ARGUS) TRADE MONTH FUT (HTA)								
HTA	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
HTA	HRP		Decrease	USD	7,700	7,000	6,600	6,000
WTI MIDLAND (ARGUS) FINANCIAL FUT (XB)								
XB	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
XB	HRP		Decrease	USD	7,700	7,000	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								
WTI MIDLAND (ARGUS) TRADE MONTH FUT (WTI)								
WTI	Non-HRP	Mnth 1	Decrease	USD	7,000	7,000	6,000	6,000
WTI	HRP	Mnth 1	Decrease	USD	7,700	7,000	6,600	6,000
WTI	Non-HRP	Mnth 2	Decrease	USD	6,900	6,900	5,900	5,900
WTI	HRP	Mnth 2	Decrease	USD	7,590	6,900	6,490	5,900
WTI	Non-HRP	Mnths 3-6	Decrease	USD	6,500	6,500	5,700	5,700
WTI	HRP	Mnths 3-6	Decrease	USD	7,150	6,500	6,270	5,700
WTI	Non-HRP	Mnths 7+	Decrease	USD	5,600	5,600	4,800	4,800
WTI	HRP	Mnths 7+	Decrease	USD	6,160	5,600	5,280	4,800
WTS (ARGUS) TRADE MONTH FUT (AY)								
AY	Non-HRP		Decrease	USD	7,000	7,000	6,000	6,000
AY	HRP		Decrease	USD	7,700	7,000	6,600	6,000
WTS (ARGUS) FINANCIAL FUTURES (WTS)								
WTS	Non-HRP	Mnth 1	Decrease	USD	7,000	7,000	6,000	6,000
WTS	HRP	Mnth 1	Decrease	USD	7,700	7,000	6,600	6,000
WTS	Non-HRP	Mnth 2	Decrease	USD	6,900	6,900	5,900	5,900
WTS	HRP	Mnth 2	Decrease	USD	7,590	6,900	6,490	5,900
WTS	Non-HRP	Mnths 3-6	Decrease	USD	6,800	6,800	5,700	5,700
WTS	HRP	Mnths 3-6	Decrease	USD	7,480	6,800	6,270	5,700
WTS	Non-HRP	Mnths 7+	Decrease	USD	6,000	6,000	5,000	5,000
WTS	HRP	Mnths 7+	Decrease	USD	6,600	6,000	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

DME Products - Outright Rates

DME OMAN CRUDE OIL (OQ)

OQ	Non-HRP	Mnth 2-3	Decrease	USD	6,750	6,750	6,200	6,200
OQ	HRP	Mnth 2-3	Decrease	USD	7,425	6,750	6,820	6,200
OQ	Non-HRP	Mnth 4-8	Decrease	USD	6,250	6,250	5,700	5,700
OQ	HRP	Mnth 4-8	Decrease	USD	6,875	6,250	6,270	5,700
OQ	Non-HRP	Mnth 9+	Decrease	USD	5,600	5,600	5,000	5,000
OQ	HRP	Mnth 9+	Decrease	USD	6,160	5,600	5,500	5,000

OMAN CRUDE FINANCIAL (ZG)

ZG	Non-HRP	Mnth 2-3	Decrease	USD	6,750	6,750	6,200	6,200
ZG	HRP	Mnth 2-3	Decrease	USD	7,425	6,750	6,820	6,200
ZG	Non-HRP	Mnth 4-8	Decrease	USD	6,250	6,250	5,700	5,700
ZG	HRP	Mnth 4-8	Decrease	USD	6,875	6,250	6,270	5,700
ZG	Non-HRP	Mnth 9+	Decrease	USD	5,600	5,600	5,000	5,000
ZG	HRP	Mnth 9+	Decrease	USD	6,160	5,600	5,500	5,000

OMAN CRUDE OIL TAM FUT (OQB)

OQB	Non-HRP	Mnth 2-3	Decrease	USD	6,750	6,750	6,200	6,200
OQB	HRP	Mnth 2-3	Decrease	USD	7,425	6,750	6,820	6,200
OQB	Non-HRP	Mnth 4-8	Decrease	USD	6,250	6,250	5,700	5,700
OQB	HRP	Mnth 4-8	Decrease	USD	6,875	6,250	6,270	5,700
OQB	Non-HRP	Mnth 9+	Decrease	USD	5,600	5,600	5,000	5,000
OQB	HRP	Mnth 9+	Decrease	USD	6,160	5,600	5,500	5,000

OMAN CRUDE OIL TAM MARKER SYN (OQ1)

OQ1	Non-HRP	Mnth 2-3	Decrease	USD	6,750	6,750	6,200	6,200
OQ1	HRP	Mnth 2-3	Decrease	USD	7,425	6,750	6,820	6,200
OQ1	Non-HRP	Mnth 4-8	Decrease	USD	6,250	6,250	5,700	5,700
OQ1	HRP	Mnth 4-8	Decrease	USD	6,875	6,250	6,270	5,700
OQ1	Non-HRP	Mnth 9+	Decrease	USD	5,600	5,600	5,000	5,000
OQ1	HRP	Mnth 9+	Decrease	USD	6,160	5,600	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								

ELECTRICITY - Outright Rates

GERMAN POWER BASELOAD CAL MONTH FUT (DEB)

DEB	Non-HRP	Mnth 1	Decrease	EUR	50,000	50,000	40,000	40,000
DEB	HRP	Mnth 1	Decrease	EUR	55,000	50,000	44,000	40,000
DEB	Non-HRP	Mnth 2	Decrease	EUR	46,000	46,000	36,000	36,000
DEB	HRP	Mnth 2	Decrease	EUR	50,600	46,000	39,600	36,000
DEB	Non-HRP	Mnth 3-4	Decrease	EUR	43,000	43,000	33,000	33,000
DEB	HRP	Mnth 3-4	Decrease	EUR	47,300	43,000	36,300	33,000
DEB	Non-HRP	Mnths 6-9	Decrease	EUR	38,000	38,000	31,000	31,000
DEB	HRP	Mnths 6-9	Decrease	EUR	41,800	38,000	34,100	31,000
DEB	Non-HRP	Mnths 10+	Decrease	EUR	38,000	38,000	28,000	28,000
DEB	HRP	Mnths 10+	Decrease	EUR	41,800	38,000	30,800	28,000

GERMAN POWER PEAKLOAD CAL MONTH FUT (DEP)

DEP	Non-HRP	Mnth 1	Decrease	EUR	15,000	15,000	13,000	13,000
DEP	HRP	Mnth 1	Decrease	EUR	16,500	15,000	14,300	13,000

PJM WES HUB PEAK CAL MON REAL TIME (L1)

L1	Non-HRP	Mth 1	Decrease	USD	1,800	1,800	1,500	1,500
L1	HRP	Mth 1	Decrease	USD	1,980	1,800	1,650	1,500
L1	Non-HRP	Mnth 2	Decrease	USD	1,700	1,700	1,400	1,400
L1	HRP	Mnth 2	Decrease	USD	1,870	1,700	1,540	1,400
L1	Non-HRP	Mnths 3-5	Decrease	USD	1,400	1,400	1,200	1,200
L1	HRP	Mnths 3-5	Decrease	USD	1,540	1,400	1,320	1,200
L1	Non-HRP	Mnths 6-11	Decrease	USD	1,100	1,100	900	900
L1	HRP	Mnths 6-11	Decrease	USD	1,210	1,100	990	900

PJM WES HUB PEAK LMP 50 MW (4S)

4S	Non-HRP	Mth 1	Decrease	USD	18,000	18,000	15,000	15,000
4S	HRP	Mth 1	Decrease	USD	19,800	18,000	16,500	15,000
4S	Non-HRP	Mnth 2	Decrease	USD	17,000	17,000	14,000	14,000
4S	HRP	Mnth 2	Decrease	USD	18,700	17,000	15,400	14,000
4S	Non-HRP	Mnths 3-5	Decrease	USD	14,000	14,000	12,000	12,000
4S	HRP	Mnths 3-5	Decrease	USD	15,400	14,000	13,200	12,000
4S	Non-HRP	Mnths 6-11	Decrease	USD	11,000	11,000	9,000	9,000
4S	HRP	Mnths 6-11	Decrease	USD	12,100	11,000	9,900	9,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PJM WESTHDA PEAK (J4)								
J4	Non-HRP	Mnth 1	Decrease	USD	1,830	1,830	1,530	1,530
J4	HRP	Mnth 1	Decrease	USD	2,013	1,830	1,683	1,530
J4	Non-HRP	Mnth 2	Decrease	USD	1,715	1,715	1,415	1,415
J4	HRP	Mnth 2	Decrease	USD	1,887	1,715	1,557	1,415
J4	Non-HRP	Mnths 3-5	Decrease	USD	1,410	1,410	1,210	1,210
J4	HRP	Mnths 3-5	Decrease	USD	1,551	1,410	1,331	1,210
J4	Non-HRP	Mnths 6-11	Decrease	USD	1,110	1,110	910	910
J4	HRP	Mnths 6-11	Decrease	USD	1,221	1,110	1,001	910
METALS - Outright Rates								
ALUMINA FOB AUSTRALIA PLATT FUTURES (ALA)								
ALA	Non-HRP	Month(s) 01	Decrease	USD	3,000	3,000	2,500	2,500
ALA	HRP	Month(s) 01	Decrease	USD	3,300	3,000	2,750	2,500
ALA	Non-HRP	Month(s) 02	Decrease	USD	3,000	3,000	2,500	2,500
ALA	HRP	Month(s) 02	Decrease	USD	3,300	3,000	2,750	2,500
ALA	Non-HRP	Month(s) 03+	Decrease	USD	3,000	3,000	2,500	2,500
ALA	HRP	Month(s) 03+	Decrease	USD	3,300	3,000	2,750	2,500
COBALT METAL (FASTMARKETS) FUT (COB)								
COB	Non-HRP	Mth 1	Increase	USD	1,800	1,800	2,500	2,500
COB	HRP	Mth 1	Increase	USD	1,980	1,800	2,750	2,500
COB	Non-HRP	Mths 2-3	Increase	USD	4,000	4,000	5,000	5,000
COB	HRP	Mths 2-3	Increase	USD	4,400	4,000	5,500	5,000
COB	Non-HRP	Mths 4-6	Increase	USD	4,000	4,000	5,000	5,000
COB	HRP	Mths 4-6	Increase	USD	4,400	4,000	5,500	5,000
COB	Non-HRP	Mths 7+	Increase	USD	4,000	4,000	5,000	5,000
COB	HRP	Mths 7+	Increase	USD	4,400	4,000	5,500	5,000
MOLYBDENUM OXIDE PLATTS FUT (MOX)								
MOX	Non-HRP	Mth 1	Increase	USD	4,900	4,900	6,000	6,000
MOX	HRP	Mth 1	Increase	USD	5,390	4,900	6,600	6,000
MOX	Non-HRP	Mths 2+	Increase	USD	4,000	4,000	5,500	5,500
MOX	HRP	Mths 2+	Increase	USD	4,400	4,000	6,050	5,500
NORTH EURO HOT-ROLLED COIL STEEL (EHR)								
EHR	Non-HRP	Mths 1-4	Increase	EUR	1,100	1,100	1,200	1,200
EHR	HRP	Mths 1-4	Increase	EUR	1,210	1,100	1,320	1,200
EHR	Non-HRP	Mths 5+	Increase	EUR	1,100	1,100	1,200	1,200
EHR	HRP	Mths 5+	Increase	EUR	1,210	1,100	1,320	1,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NATURAL GAS - Outright Rates

DUTCH TTF NAT GAS FIN M-1 AVG PRC (TTB)

TTB	Non-HRP	Mnth 1	Decrease	USD	56,000	56,000	43,000	43,000
TTB	HRP	Mnth 1	Decrease	USD	61,600	56,000	47,300	43,000
TTB	Non-HRP	Mnths 2	Decrease	USD	53,000	53,000	40,000	40,000
TTB	HRP	Mnths 2	Decrease	USD	58,300	53,000	44,000	40,000
TTB	Non-HRP	Mnths 3	Decrease	USD	48,000	48,000	36,000	36,000
TTB	HRP	Mnths 3	Decrease	USD	52,800	48,000	39,600	36,000
TTB	Non-HRP	Mnths 4-6	Decrease	USD	51,000	51,000	41,000	41,000
TTB	HRP	Mnths 4-6	Decrease	USD	56,100	51,000	45,100	41,000
TTB	Non-HRP	Mnths 7-18	Decrease	USD	50,000	50,000	38,000	38,000
TTB	HRP	Mnths 7-18	Decrease	USD	55,000	50,000	41,800	38,000
TTB	Non-HRP	Mnths 19+	Decrease	USD	47,000	47,000	40,000	40,000
TTB	HRP	Mnths 19+	Decrease	USD	51,700	47,000	44,000	40,000

DUTCH TTF NATURAL GAS (USD/MMBTU) (TFU)

TFU	Non-HRP	Mnth 1	Decrease	USD	56,000	56,000	43,000	43,000
TFU	HRP	Mnth 1	Decrease	USD	61,600	56,000	47,300	43,000
TFU	Non-HRP	Mnth 2	Decrease	USD	53,000	53,000	40,000	40,000
TFU	HRP	Mnth 2	Decrease	USD	58,300	53,000	44,000	40,000
TFU	Non-HRP	Mnth 3	Decrease	USD	48,000	48,000	36,000	36,000
TFU	HRP	Mnth 3	Decrease	USD	52,800	48,000	39,600	36,000
TFU	Non-HRP	Mnths 4-6	Decrease	USD	51,000	51,000	41,000	41,000
TFU	HRP	Mnths 4-6	Decrease	USD	56,100	51,000	45,100	41,000
TFU	Non-HRP	Mnths 7-18	Decrease	USD	50,000	50,000	38,000	38,000
TFU	HRP	Mnths 7-18	Decrease	USD	55,000	50,000	41,800	38,000
TFU	Non-HRP	Mnths 19+	Decrease	USD	47,000	47,000	40,000	40,000
TFU	HRP	Mnths 19+	Decrease	USD	51,700	47,000	44,000	40,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

DUTCH TTF NATURAL GAS CAL MONTH FUT (TTF)

TTF	Non-HRP	Mnth 1	Decrease	EUR	13,000	13,000	10,000	10,000
TTF	HRP	Mnth 1	Decrease	EUR	14,300	13,000	11,000	10,000
TTF	Non-HRP	Mnth 2	Decrease	EUR	10,500	10,500	9,000	9,000
TTF	HRP	Mnth 2	Decrease	EUR	11,550	10,500	9,900	9,000
TTF	Non-HRP	Mnth 3	Decrease	EUR	10,000	10,000	8,500	8,500
TTF	HRP	Mnth 3	Decrease	EUR	11,000	10,000	9,350	8,500
TTF	Non-HRP	Mnths 4-6	Decrease	EUR	12,000	12,000	9,500	9,500
TTF	HRP	Mnths 4-6	Decrease	EUR	13,200	12,000	10,450	9,500
TTF	Non-HRP	Mnths 7-18	Decrease	EUR	10,000	10,000	8,500	8,500
TTF	HRP	Mnths 7-18	Decrease	EUR	11,000	10,000	9,350	8,500
TTF	Non-HRP	Mnths 19+	Decrease	EUR	11,000	11,000	9,000	9,000
TTF	HRP	Mnths 19+	Decrease	EUR	12,100	11,000	9,900	9,000

DUTCH TTF NATURAL GAS DAILY FUTURES (TTD)

TTD	Non-HRP	Day 1-3	Decrease	EUR	1,800	1,800	1,100	1,100
TTD	HRP	Day 1-3	Decrease	EUR	1,980	1,800	1,210	1,100
TTD	Non-HRP	Day 4-7	Decrease	EUR	1,700	1,700	1,000	1,000
TTD	HRP	Day 4-7	Decrease	EUR	1,870	1,700	1,100	1,000
TTD	Non-HRP	Day 8-14	Decrease	EUR	1,700	1,700	900	900
TTD	HRP	Day 8-14	Decrease	EUR	1,870	1,700	990	900
TTD	Non-HRP	Day 15+	Decrease	EUR	1,400	1,400	850	850
TTD	HRP	Day 15+	Decrease	EUR	1,540	1,400	935	850

DUTCH TTF NATURAL GAS FIN CAL M (TTG)

TTG	Non-HRP	Mnth 1	Decrease	EUR	13,000	13,000	10,000	10,000
TTG	HRP	Mnth 1	Decrease	EUR	14,300	13,000	11,000	10,000
TTG	Non-HRP	Mnth 2	Decrease	EUR	10,500	10,500	9,000	9,000
TTG	HRP	Mnth 2	Decrease	EUR	11,550	10,500	9,900	9,000
TTG	Non-HRP	Mnth 3	Decrease	EUR	10,000	10,000	8,500	8,500
TTG	HRP	Mnth 3	Decrease	EUR	11,000	10,000	9,350	8,500
TTG	Non-HRP	Mnths 4-6	Decrease	EUR	12,000	12,000	9,500	9,500
TTG	HRP	Mnths 4-6	Decrease	EUR	13,200	12,000	10,450	9,500
TTG	Non-HRP	Mnths 7-18	Decrease	EUR	10,000	10,000	8,500	8,500
TTG	HRP	Mnths 7-18	Decrease	EUR	11,000	10,000	9,350	8,500
TTG	Non-HRP	Mnth 19+	Decrease	EUR	11,000	11,000	9,000	9,000
TTG	HRP	Mnth 19+	Decrease	EUR	12,100	11,000	9,900	9,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
DUTCH TTF NATURAL GAS FIN DAY AHEAD (TTI)								
TTI	Non-HRP	Mnth 1	Decrease	EUR	13,000	13,000	10,000	10,000
TTI	HRP	Mnth 1	Decrease	EUR	14,300	13,000	11,000	10,000
TTI	Non-HRP	Mnth 2	Decrease	EUR	10,500	10,500	9,000	9,000
TTI	HRP	Mnth 2	Decrease	EUR	11,550	10,500	9,900	9,000
TTI	Non-HRP	Mnth 3	Decrease	EUR	10,000	10,000	8,500	8,500
TTI	HRP	Mnth 3	Decrease	EUR	11,000	10,000	9,350	8,500
TTI	Non-HRP	Mnths 4-5	Decrease	EUR	12,000	12,000	9,500	9,500
TTI	HRP	Mnths 4-5	Decrease	EUR	13,200	12,000	10,450	9,500
TTI	Non-HRP	Mnths 6-12	Decrease	EUR	10,000	10,000	8,500	8,500
TTI	HRP	Mnths 6-12	Decrease	EUR	11,000	10,000	9,350	8,500
TTI	Non-HRP	Mnth 13+	Decrease	EUR	11,000	11,000	9,000	9,000
TTI	HRP	Mnth 13+	Decrease	EUR	12,100	11,000	9,900	9,000
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Non-HRP	Mnth 1	Decrease	USD	56,000	56,000	43,000	43,000
TTE	HRP	Mnth 1	Decrease	USD	61,600	56,000	47,300	43,000
TTE	Non-HRP	Mnths 2	Decrease	USD	53,000	53,000	40,000	40,000
TTE	HRP	Mnths 2	Decrease	USD	58,300	53,000	44,000	40,000
TTE	Non-HRP	Mnths 3	Decrease	USD	48,000	48,000	36,000	36,000
TTE	HRP	Mnths 3	Decrease	USD	52,800	48,000	39,600	36,000
TTE	Non-HRP	Mnths 4-7	Decrease	USD	51,000	51,000	41,000	41,000
TTE	HRP	Mnths 4-7	Decrease	USD	56,100	51,000	45,100	41,000
TTE	Non-HRP	Mnths 8-13	Decrease	USD	50,000	50,000	38,000	38,000
TTE	HRP	Mnths 8-13	Decrease	USD	55,000	50,000	41,800	38,000
TTE	Non-HRP	Mnths 14+	Decrease	USD	47,000	47,000	40,000	40,000
TTE	HRP	Mnths 14+	Decrease	USD	51,700	47,000	44,000	40,000
GULF COAST LNG EXPORT FUTURES (LNG)								
LNG	Non-HRP	Month 1-4	Decrease	USD	90,000	90,000	60,000	60,000
LNG	HRP	Month 1-4	Decrease	USD	99,000	90,000	66,000	60,000
LNG	Non-HRP	Month 5-6	Decrease	USD	90,000	90,000	60,000	60,000
LNG	HRP	Month 5-6	Decrease	USD	99,000	90,000	66,000	60,000
LNG	Non-HRP	Month 7-10	Decrease	USD	90,000	90,000	60,000	60,000
LNG	HRP	Month 7-10	Decrease	USD	99,000	90,000	66,000	60,000
LNG	Non-HRP	Mnths 11-12	Decrease	USD	70,000	70,000	55,000	55,000
LNG	HRP	Mnths 11-12	Decrease	USD	77,000	70,000	60,500	55,000
LNG	Non-HRP	Mnths 13+	Decrease	USD	70,000	70,000	55,000	55,000
LNG	HRP	Mnths 13+	Decrease	USD	77,000	70,000	60,500	55,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

HENRY HUB TTF NAT GAS SPREAD FUTURE (NYP)

NYP	Non-HRP	Mnth 1	Increase	USD	20,500	20,500	36,000	36,000
NYP	HRP	Mnth 1	Increase	USD	22,550	20,500	39,600	36,000
NYP	Non-HRP	Mnths 2	Increase	USD	19,000	19,000	33,500	33,500
NYP	HRP	Mnths 2	Increase	USD	20,900	19,000	36,850	33,500
NYP	Non-HRP	Mnths 3+	Increase	USD	18,500	18,500	32,500	32,500
NYP	HRP	Mnths 3+	Increase	USD	20,350	18,500	35,750	32,500

HENRY HUB TTF NAT GAS SPREAD FUTURE (THD)

THD	Non-HRP	Mnth 1	Increase	USD	19,500	19,500	34,000	34,000
THD	HRP	Mnth 1	Increase	USD	21,450	19,500	37,400	34,000
THD	Non-HRP	Mnths 2	Increase	USD	17,500	17,500	30,500	30,500
THD	HRP	Mnths 2	Increase	USD	19,250	17,500	33,550	30,500
THD	Non-HRP	Mnths 3+	Increase	USD	16,500	16,500	29,000	29,000
THD	HRP	Mnths 3+	Increase	USD	18,150	16,500	31,900	29,000

LNG JAPAN KOREA MARKER PLATTS FUT (JKM)

JKM	Non-HRP	Month 1	Decrease	USD	34,500	34,500	33,000	33,000
JKM	HRP	Month 1	Decrease	USD	37,950	34,500	36,300	33,000
JKM	Non-HRP	Month 2	Decrease	USD	34,000	34,000	32,000	32,000
JKM	HRP	Month 2	Decrease	USD	37,400	34,000	35,200	32,000
JKM	Non-HRP	Month 3	Decrease	USD	33,000	33,000	30,000	30,000
JKM	HRP	Month 3	Decrease	USD	36,300	33,000	33,000	30,000
JKM	Non-HRP	Mnths 4-8	Decrease	USD	38,000	38,000	31,500	31,500
JKM	HRP	Mnths 4-8	Decrease	USD	41,800	38,000	34,650	31,500
JKM	Non-HRP	Mnths 9-14	Decrease	USD	31,000	31,000	29,000	29,000
JKM	HRP	Mnths 9-14	Decrease	USD	34,100	31,000	31,900	29,000
JKM	Non-HRP	Mnths 21+	Decrease	USD	30,000	30,000	28,000	28,000
JKM	HRP	Mnths 21+	Decrease	USD	33,000	30,000	30,800	28,000
JKM	Non-HRP	Months 15-20	Decrease	USD	34,000	34,000	30,000	30,000
JKM	HRP	Months 15-20	Decrease	USD	37,400	34,000	33,000	30,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

LNG JAPAN KOREA MRK YEN FUT (JKY)

JKY	Non-HRP	Month 1	Decrease	JPY	4,900,000	4,900,000	4,300,000	4,300,000
JKY	HRP	Month 1	Decrease	JPY	5,390,000	4,900,000	4,730,000	4,300,000
JKY	Non-HRP	Month 2	Decrease	JPY	4,800,000	4,800,000	4,200,000	4,200,000
JKY	HRP	Month 2	Decrease	JPY	5,280,000	4,800,000	4,620,000	4,200,000
JKY	Non-HRP	Month 3	Decrease	JPY	4,500,000	4,500,000	4,000,000	4,000,000
JKY	HRP	Month 3	Decrease	JPY	4,950,000	4,500,000	4,400,000	4,000,000
JKY	Non-HRP	Mnths 4-8	Decrease	JPY	4,800,000	4,800,000	4,100,000	4,100,000
JKY	HRP	Mnths 4-8	Decrease	JPY	5,280,000	4,800,000	4,510,000	4,100,000
JKY	Non-HRP	Mnths 9-14	Decrease	JPY	4,400,000	4,400,000	3,900,000	3,900,000
JKY	HRP	Mnths 9-14	Decrease	JPY	4,840,000	4,400,000	4,290,000	3,900,000
JKY	Non-HRP	Mnths 15-20	Decrease	JPY	4,500,000	4,500,000	4,000,000	4,000,000
JKY	HRP	Mnths 15-20	Decrease	JPY	4,950,000	4,500,000	4,400,000	4,000,000
JKY	Non-HRP	Mnths 21+	Decrease	JPY	4,000,000	4,000,000	3,800,000	3,800,000
JKY	HRP	Mnths 21+	Decrease	JPY	4,400,000	4,000,000	4,180,000	3,800,000

LNG JAPAN/KOREA MARKER (PLATTS) BAC (JKB)

JKB	Non-HRP	Month 1	Decrease	USD	34,500	34,500	33,000	33,000
JKB	HRP	Month 1	Decrease	USD	37,950	34,500	36,300	33,000
JKB	Non-HRP	Month 2	Decrease	USD	34,000	34,000	32,000	32,000
JKB	HRP	Month 2	Decrease	USD	37,400	34,000	35,200	32,000
JKB	Non-HRP	Month 3	Decrease	USD	33,000	33,000	30,000	30,000
JKB	HRP	Month 3	Decrease	USD	36,300	33,000	33,000	30,000
JKB	Non-HRP	Mnths 4-8	Decrease	USD	38,000	38,000	31,500	31,500
JKB	HRP	Mnths 4-8	Decrease	USD	41,800	38,000	34,650	31,500
JKB	Non-HRP	Mnths 9-14	Decrease	USD	31,000	31,000	29,000	29,000
JKB	HRP	Mnths 9-14	Decrease	USD	34,100	31,000	31,900	29,000
JKB	Non-HRP	Mnths 15-20	Decrease	USD	34,000	34,000	30,000	30,000
JKB	HRP	Mnths 15-20	Decrease	USD	37,400	34,000	33,000	30,000
JKB	Non-HRP	Mnths 21+	Decrease	USD	30,000	30,000	28,000	28,000
JKB	HRP	Mnths 21+	Decrease	USD	33,000	30,000	30,800	28,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LNG JAPAN/KOREA MARKER (PLATTS) FRO (JKF)								
JKF	Non-HRP	Month 1	Decrease	USD	34,500	34,500	33,000	33,000
JKF	HRP	Month 1	Decrease	USD	37,950	34,500	36,300	33,000
JKF	Non-HRP	Month 2	Decrease	USD	34,000	34,000	32,000	32,000
JKF	HRP	Month 2	Decrease	USD	37,400	34,000	35,200	32,000
JKF	Non-HRP	Month 3	Decrease	USD	33,000	33,000	30,000	30,000
JKF	HRP	Month 3	Decrease	USD	36,300	33,000	33,000	30,000
JKF	Non-HRP	Mnths 4-8	Decrease	USD	38,000	38,000	31,500	31,500
JKF	HRP	Mnths 4-8	Decrease	USD	41,800	38,000	34,650	31,500
JKF	Non-HRP	Mnths 9-4	Decrease	USD	31,000	31,000	29,000	29,000
JKF	HRP	Mnths 9-4	Decrease	USD	34,100	31,000	31,900	29,000
JKF	Non-HRP	Mnths 15+	Decrease	USD	34,000	34,000	30,000	30,000
JKF	HRP	Mnths 15+	Decrease	USD	37,400	34,000	33,000	30,000
LNG NW EUROPE MARKER (PLATTS) FUT (NWM)								
NWM	Non-HRP	Month 1	Decrease	USD	40,000	40,000	33,000	33,000
NWM	HRP	Month 1	Decrease	USD	44,000	40,000	36,300	33,000
NWM	Non-HRP	Month 2	Decrease	USD	39,000	39,000	32,000	32,000
NWM	HRP	Month 2	Decrease	USD	42,900	39,000	35,200	32,000
NWM	Non-HRP	Month 3	Decrease	USD	37,000	37,000	30,000	30,000
NWM	HRP	Month 3	Decrease	USD	40,700	37,000	33,000	30,000
NWM	Non-HRP	Mnths 4	Decrease	USD	38,000	38,000	31,500	31,500
NWM	HRP	Mnths 4	Decrease	USD	41,800	38,000	34,650	31,500
NWM	Non-HRP	Mnths 5-7	Decrease	USD	34,000	34,000	32,000	32,000
NWM	HRP	Mnths 5-7	Decrease	USD	37,400	34,000	35,200	32,000
NWM	Non-HRP	Mnths 20+	Increase	USD	33,000	33,000	33,500	33,500
NWM	HRP	Mnths 20+	Increase	USD	36,300	33,000	36,850	33,500
NWM	Non-HRP	Months 8-19	Increase	USD	33,000	33,000	33,500	33,500
NWM	HRP	Months 8-19	Increase	USD	36,300	33,000	36,850	33,500
NBD NATURAL GAS DAILY FUTURE (NBD)								
NBD	Non-HRP	Day 1-3	Decrease	GBP	1,600	1,600	1,100	1,100
NBD	HRP	Day 1-3	Decrease	GBP	1,760	1,600	1,210	1,100
NBD	Non-HRP	Day 4-7	Decrease	GBP	1,400	1,400	1,000	1,000
NBD	HRP	Day 4-7	Decrease	GBP	1,540	1,400	1,100	1,000
NBD	Non-HRP	Day 8-14	Decrease	GBP	1,300	1,300	900	900
NBD	HRP	Day 8-14	Decrease	GBP	1,430	1,300	990	900
NBD	Non-HRP	Day 15+	Decrease	GBP	1,100	1,100	850	850
NBD	HRP	Day 15+	Decrease	GBP	1,210	1,100	935	850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

UK NBP NAT GAS CAL MTH FUT (UKG)

UKG	Non-HRP	Mnth 1	Decrease	GBP	12,000	12,000	10,500	10,500
UKG	HRP	Mnth 1	Decrease	GBP	13,200	12,000	11,550	10,500
UKG	Non-HRP	Mnth 2	Decrease	GBP	11,500	11,500	10,000	10,000
UKG	HRP	Mnth 2	Decrease	GBP	12,650	11,500	11,000	10,000
UKG	Non-HRP	Mnth 3	Decrease	GBP	11,000	11,000	9,000	9,000
UKG	HRP	Mnth 3	Decrease	GBP	12,100	11,000	9,900	9,000
UKG	Non-HRP	Mnths 4-8	Decrease	GBP	13,000	13,000	9,500	9,500
UKG	HRP	Mnths 4-8	Decrease	GBP	14,300	13,000	10,450	9,500
UKG	Non-HRP	Mnths 9+	Decrease	GBP	12,000	12,000	8,000	8,000
UKG	HRP	Mnths 9+	Decrease	GBP	13,200	12,000	8,800	8,000

UK NBP NATURAL GAS FRONT MTH FUT (NBP)

NBP	Non-HRP	Mnth 1	Decrease	USD	55,000	55,000	42,000	42,000
NBP	HRP	Mnth 1	Decrease	USD	60,500	55,000	46,200	42,000
NBP	Non-HRP	Mnths 2	Decrease	USD	50,000	50,000	41,000	41,000
NBP	HRP	Mnths 2	Decrease	USD	55,000	50,000	45,100	41,000
NBP	Non-HRP	Mnths 3	Decrease	USD	46,000	46,000	36,000	36,000
NBP	HRP	Mnths 3	Decrease	USD	50,600	46,000	39,600	36,000
NBP	Non-HRP	Mnths 4+	Decrease	USD	50,000	50,000	38,000	38,000
NBP	HRP	Mnths 4+	Decrease	USD	55,000	50,000	41,800	38,000

PETROLEUM CRACKS AND SPREADS - Outright Rates

NY BUCKEYE JET FUEL V. NY HR BALMO (JTB)

JTB	Non-HRP	Decrease	USD	12,000	12,000	10,000	10,000
JTB	HRP	Decrease	USD	13,200	12,000	11,000	10,000

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

123 SYNTHET GULF COAST NO.6 FUE (123)

123	Non-HRP	Mnth 1	Decrease	USD	650	650	550	550
123	HRP	Mnth 1	Decrease	USD	715	650	605	550
123	Non-HRP	Mnths 2-6	Decrease	USD	600	600	500	500
123	HRP	Mnths 2-6	Decrease	USD	660	600	550	500
123	Non-HRP	Mnths 7-24	Decrease	USD	550	550	475	475
123	HRP	Mnths 7-24	Decrease	USD	605	550	523	475

CHICAGO ULSD (PLATTS) FUT (4C)

4C	Non-HRP		Decrease	USD	10,500	10,500	8,000	8,000
4C	HRP		Decrease	USD	11,550	10,500	8,800	8,000

CHICAGO UNLEADED GAS(PLATTS) S (2C)

2C	Non-HRP		Decrease	USD	8,500	8,500	7,500	7,500
2C	HRP		Decrease	USD	9,350	8,500	8,250	7,500

EIA FLAT TAX ONHWAY DIESEL FUT (A5)

A5	Non-HRP	Mnth 1	Decrease	USD	14,000	14,000	12,000	12,000
A5	HRP	Mnth 1	Decrease	USD	15,400	14,000	13,200	12,000
A5	Non-HRP	Mnths 2-6	Decrease	USD	12,000	12,000	9,500	9,500
A5	HRP	Mnths 2-6	Decrease	USD	13,200	12,000	10,450	9,500
A5	Non-HRP	Mnths 7+	Decrease	USD	8,000	8,000	7,000	7,000
A5	HRP	Mnths 7+	Decrease	USD	8,800	8,000	7,700	7,000

EIA FLAT TAX US RETAIL GASOLINE FUT (JE)

JE	Non-HRP	Month 1	Decrease	USD	12,000	12,000	10,000	10,000
JE	HRP	Month 1	Decrease	USD	13,200	12,000	11,000	10,000
JE	Non-HRP	Mths 2-7	Decrease	USD	9,000	9,000	6,500	6,500
JE	HRP	Mths 2-7	Decrease	USD	9,900	9,000	7,150	6,500
JE	Non-HRP	Mths 8+	Decrease	USD	6,500	6,500	5,500	5,500
JE	HRP	Mths 8+	Decrease	USD	7,150	6,500	6,050	5,500

EUROPEAN GASOIL ICE FUTURE (7F)

7F	Non-HRP	Mnth 1	Decrease	USD	9,600	9,600	7,250	7,250
7F	HRP	Mnth 1	Decrease	USD	10,560	9,600	7,975	7,250
7F	Non-HRP	Mnths 2	Decrease	USD	8,800	8,800	7,000	7,000
7F	HRP	Mnths 2	Decrease	USD	9,680	8,800	7,700	7,000
7F	Non-HRP	Mnths 3-6	Decrease	USD	7,600	7,600	6,600	6,600
7F	HRP	Mnths 3-6	Decrease	USD	8,360	7,600	7,260	6,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Non-HRP	Mnth 1	Decrease	USD	9,600	9,600	7,250	7,250
7FT	HRP	Mnth 1	Decrease	USD	10,560	9,600	7,975	7,250
7FT	Non-HRP	Mnths 2	Decrease	USD	8,800	8,800	7,000	7,000
7FT	HRP	Mnths 2	Decrease	USD	9,680	8,800	7,700	7,000
7FT	Non-HRP	Mnths 3-6	Decrease	USD	7,600	7,600	6,600	6,600
7FT	HRP	Mnths 3-6	Decrease	USD	8,360	7,600	7,260	6,600
GASOIL BULLET FUT (BG)								
BG	Non-HRP	Mnth 1	Decrease	USD	96,000	96,000	72,500	72,500
BG	HRP	Mnth 1	Decrease	USD	105,600	96,000	79,750	72,500
BG	Non-HRP	Mnths 2	Decrease	USD	88,000	88,000	70,000	70,000
BG	HRP	Mnths 2	Decrease	USD	96,800	88,000	77,000	70,000
BG	Non-HRP	Mnths 3-6	Decrease	USD	76,000	76,000	66,000	66,000
BG	HRP	Mnths 3-6	Decrease	USD	83,600	76,000	72,600	66,000
GC ULSD ARGUS CAL FUT (AJ)								
AJ	Non-HRP		Decrease	USD	10,000	10,000	8,000	8,000
AJ	HRP		Decrease	USD	11,000	10,000	8,800	8,000
GROUP THREE SUB-OCT GAS (PLATTS) (A9)								
A9	Non-HRP	Mnth 1	Decrease	USD	8,800	8,800	8,000	8,000
A9	HRP	Mnth 1	Decrease	USD	9,680	8,800	8,800	8,000
A9	Non-HRP	Mnth 2	Decrease	USD	8,750	8,750	7,500	7,500
A9	HRP	Mnth 2	Decrease	USD	9,625	8,750	8,250	7,500
A9	Non-HRP	Mnth 3+	Decrease	USD	8,000	8,000	7,250	7,250
A9	HRP	Mnth 3+	Decrease	USD	8,800	8,000	7,975	7,250
GULF COAST HSFO (PLATTS) FUTURES (MF)								
MF	Non-HRP	Mnth 1	Decrease	USD	6,500	6,500	5,500	5,500
MF	HRP	Mnth 1	Decrease	USD	7,150	6,500	6,050	5,500
MF	Non-HRP	Mnths 2-6	Decrease	USD	6,000	6,000	5,000	5,000
MF	HRP	Mnths 2-6	Decrease	USD	6,600	6,000	5,500	5,000
MF	Non-HRP	Mnths 7-24	Decrease	USD	5,500	5,500	4,750	4,750
MF	HRP	Mnths 7-24	Decrease	USD	6,050	5,500	5,225	4,750
GULF COAST JET FUEL CLNDR FUT (GE)								
GE	Non-HRP	Mnth 1	Decrease	USD	10,100	10,100	9,500	9,500
GE	HRP	Mnth 1	Decrease	USD	11,110	10,100	10,450	9,500
GE	Non-HRP	Mnths 2-6	Decrease	USD	10,000	10,000	9,000	9,000
GE	HRP	Mnths 2-6	Decrease	USD	11,000	10,000	9,900	9,000
GE	Non-HRP	Mnths 7+	Decrease	USD	7,500	7,500	6,000	6,000
GE	HRP	Mnths 7+	Decrease	USD	8,250	7,500	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								
GULF COAST ULSD CALENDAR FUT (LY)								
LY	Non-HRP	Mnth 1	Decrease	USD	11,000	11,000	9,250	9,250
LY	HRP	Mnth 1	Decrease	USD	12,100	11,000	10,175	9,250
LY	Non-HRP	Mnths 2-6	Decrease	USD	9,000	9,000	8,000	8,000
LY	HRP	Mnths 2-6	Decrease	USD	9,900	9,000	8,800	8,000
GULF CST CBOB GAS PLATTS A2 FUTURES (CRG)								
CRG	Non-HRP	Mnth 1	Decrease	USD	9,225	9,225	7,000	7,000
CRG	HRP	Mnth 1	Decrease	USD	10,148	9,225	7,700	7,000
CRG	Non-HRP	Mnth 2	Decrease	USD	9,200	9,200	6,750	6,750
CRG	HRP	Mnth 2	Decrease	USD	10,120	9,200	7,425	6,750
CRG	Non-HRP	Mnths 3+	Decrease	USD	8,800	8,800	6,250	6,250
CRG	HRP	Mnths 3+	Decrease	USD	9,680	8,800	6,875	6,250
LA CARB DIESEL (OPIS) (LX)								
LX	Non-HRP	Mnth 1	Decrease	USD	11,500	11,500	9,000	9,000
LX	HRP	Mnth 1	Decrease	USD	12,650	11,500	9,900	9,000
LX	Non-HRP	Mnths 2-6	Decrease	USD	10,000	10,000	8,500	8,500
LX	HRP	Mnths 2-6	Decrease	USD	11,000	10,000	9,350	8,500
LOS ANGELES CARB GASOLINE FUT (MH)								
MH	Non-HRP		Decrease	USD	9,250	9,250	7,500	7,500
MH	HRP		Decrease	USD	10,175	9,250	8,250	7,500
NEW YORK ULSD (ARGUS) FUT (5Y)								
5Y	Non-HRP		Decrease	USD	11,250	11,250	8,000	8,000
5Y	HRP		Decrease	USD	12,375	11,250	8,800	8,000
NY HARBOR 1% FUEL OIL BALMO (VK)								
VK	Non-HRP	Tier 1	Decrease	USD	9,000	9,000	7,000	7,000
VK	HRP	Tier 1	Decrease	USD	9,900	9,000	7,700	7,000
VK	Non-HRP	Tier 2	Decrease	USD	7,800	7,800	6,800	6,800
VK	HRP	Tier 2	Decrease	USD	8,580	7,800	7,480	6,800
NY HARBOR RESIDUAL FUEL 1.0% S FUT (MM)								
MM	Non-HRP	Mnth 1	Decrease	USD	8,000	8,000	6,000	6,000
MM	HRP	Mnth 1	Decrease	USD	8,800	8,000	6,600	6,000
MM	Non-HRP	Mnths 2-6	Decrease	USD	7,800	7,800	5,800	5,800
MM	HRP	Mnths 2-6	Decrease	USD	8,580	7,800	6,380	5,800
MM	Non-HRP	Mnths 7+	Decrease	USD	7,000	7,000	5,500	5,500
MM	HRP	Mnths 7+	Decrease	USD	7,700	7,000	6,050	5,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SYNT GULF COAST ULSD CALENDAR FU (SLY)								
SLY	Non-HRP	Mnth 1	Decrease	USD	11,000	11,000	9,250	9,250
SLY	HRP	Mnth 1	Decrease	USD	12,100	11,000	10,175	9,250
SLY	Non-HRP	Mnths 2-6	Decrease	USD	9,000	9,000	8,000	8,000
SLY	HRP	Mnths 2-6	Decrease	USD	9,900	9,000	8,800	8,000
SYNTH 111 GULF COAST ULSD CAL FUTUR (111)								
111	Non-HRP	Mnth 1	Decrease	USD	1,100	1,100	925	925
111	HRP	Mnth 1	Decrease	USD	1,210	1,100	1,018	925
111	Non-HRP	Mnths 2-6	Decrease	USD	900	900	800	800
111	HRP	Mnths 2-6	Decrease	USD	990	900	880	800
SYNTHET GULF COAST NO.6 FUEL OIL 3 (SMF)								
SMF	Non-HRP	Mnth 1	Decrease	USD	6,500	6,500	5,500	5,500
SMF	HRP	Mnth 1	Decrease	USD	7,150	6,500	6,050	5,500
SMF	Non-HRP	Mnths 2-6	Decrease	USD	6,000	6,000	5,000	5,000
SMF	HRP	Mnths 2-6	Decrease	USD	6,600	6,000	5,500	5,000
SMF	Non-HRP	Mnths 7-24	Decrease	USD	5,500	5,500	4,750	4,750
SMF	HRP	Mnths 7-24	Decrease	USD	6,050	5,500	5,225	4,750
SYNTHETIC GASOIL BULLET FUT (SBG)								
SBG	Non-HRP	Mnth 1	Decrease	USD	96,000	96,000	72,500	72,500
SBG	HRP	Mnth 1	Decrease	USD	105,600	96,000	79,750	72,500
SBG	Non-HRP	Mnths 2	Decrease	USD	88,000	88,000	70,000	70,000
SBG	HRP	Mnths 2	Decrease	USD	96,800	88,000	77,000	70,000
SBG	Non-HRP	Mnths 3-6	Decrease	USD	76,000	76,000	66,000	66,000
SBG	HRP	Mnths 3-6	Decrease	USD	83,600	76,000	72,600	66,000
USGC MARINE FUEL 0.5% (PLATTS) BALM (H5B)								
H5B	Non-HRP		Decrease	USD	10,000	10,000	7,000	7,000
H5B	HRP		Decrease	USD	11,000	10,000	7,700	7,000
USGC MARINE FUEL 0.5% (PLATTS) FUT (H5F)								
H5F	Non-HRP	Month 1	Decrease	USD	7,000	7,000	6,000	6,000
H5F	HRP	Month 1	Decrease	USD	7,700	7,000	6,600	6,000
H5F	Non-HRP	Month 2	Decrease	USD	6,500	6,500	5,500	5,500
H5F	HRP	Month 2	Decrease	USD	7,150	6,500	6,050	5,500
H5F	Non-HRP	Month 3+	Decrease	USD	6,250	6,250	5,250	5,250
H5F	HRP	Month 3+	Decrease	USD	6,875	6,250	5,775	5,250
USGC MARINE FUEL 0.5% (PLATTS) VS. (HGB)								
HGB	Non-HRP		Decrease	USD	4,400	4,400	3,250	3,250
HGB	HRP		Decrease	USD	4,840	4,400	3,575	3,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

USGC MARINE FUEL 0.5% BARGES (PLATT (UP5))

UP5	Non-HRP	Month 1	Decrease	USD	44,450	44,450	38,100	38,100
UP5	HRP	Month 1	Decrease	USD	48,895	44,450	41,910	38,100
UP5	Non-HRP	Month 2	Decrease	USD	41,275	41,275	34,925	34,925
UP5	HRP	Month 2	Decrease	USD	45,403	41,275	38,418	34,925
UP5	Non-HRP	Month 3+	Decrease	USD	39,688	39,688	33,338	33,338
UP5	HRP	Month 3+	Decrease	USD	43,656	39,688	36,671	33,338

USGC MARINE FUEL 0.5% BARGES (PLATT (UPB))

UPB	Non-HRP		Decrease	USD	63,500	63,500	44,450	44,450
UPB	HRP		Decrease	USD	69,850	63,500	48,895	44,450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Intra Spreads

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL - Intra Spreads								
Daily WTI Calendar Swap Futures - All Months (DAILY WTI CALENDAR FUT)								
DCL	Non-HRP		Increase	USD	1,300	1,300	2,200	2,200
DCL	HRP		Increase	USD	1,430	1,300	2,420	2,200
Dated Brent (Platts) Daily Swap - All Months (DATED BRENT (PLATTS) DAILY FUT)								
7G	Non-HRP		Decrease	USD	1,600	1,600	1,250	1,250
7G	HRP		Decrease	USD	1,760	1,600	1,375	1,250
Dated Brent Crude Oil Calendar Swap - All Months (EUROPE DATED BRENT FUT)								
UB	Non-HRP		Decrease	USD	5,000	5,000	3,000	3,000
UB	HRP		Decrease	USD	5,500	5,000	3,300	3,000
Dated Brent Crude Oil Calendar Swap - All Months (MINI DATED BRENT (PLATTS) FINANCIAL)								
MDB	Non-HRP		Decrease	USD	500	500	300	300
MDB	HRP		Decrease	USD	550	500	330	300
LOOP Gulf Coast Sour Crude Oil Futures - All Months (LOOP GULF COAST SOUR CRUDE OIL)								
MB	Non-HRP		Increase	USD	900	900	1,500	1,500
MB	HRP		Increase	USD	990	900	1,650	1,500
Mnth 1 vs 2 (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	600,000	600,000	450,000	450,000
JCY	HRP		Decrease	JPY	660,000	600,000	495,000	450,000
Mnth 1 vs 3-8 (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	675,000	675,000	470,000	470,000
JCY	HRP		Decrease	JPY	742,500	675,000	517,000	470,000
Mnth 1 vs 9+ (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	510,000	510,000	490,000	490,000
JCY	HRP		Decrease	JPY	561,000	510,000	539,000	490,000
Mnth 1 vs Mnth 2 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	4,500	4,500	3,500	3,500
JCC	HRP		Decrease	USD	4,950	4,500	3,850	3,500
Mnth 1 vs Mnths 3-8 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	5,000	5,000	3,600	3,600
JCC	HRP		Decrease	USD	5,500	5,000	3,960	3,600
Mnth 2 vs 3-8 (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	775,000	775,000	540,000	540,000
JCY	HRP		Decrease	JPY	852,500	775,000	594,000	540,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mnth 2 vs 9+ (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	810,000	810,000	550,000	550,000
JCY	HRP		Decrease	JPY	891,000	810,000	605,000	550,000
Mnth 2 vs 9+ Mnths (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	6,000	6,000	4,250	4,250
JCC	HRP		Decrease	USD	6,600	6,000	4,675	4,250
Mnth 2 vs Mnths 3-8 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	5,750	5,750	4,200	4,200
JCC	HRP		Decrease	USD	6,325	5,750	4,620	4,200
Mnths 3-8 vs 3-8 (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	540,000	540,000	38,000	38,000
JCY	HRP		Decrease	JPY	594,000	540,000	41,800	38,000
Mnths 3-8 vs 9+ (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Decrease	JPY	515,000	515,000	430,000	430,000
JCY	HRP		Decrease	JPY	566,500	515,000	473,000	430,000
Mnths 3-8 vs Mnths 3-8 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	3,800	3,800	2,900	2,900
JCC	HRP		Decrease	USD	4,180	3,800	3,190	2,900
Mnths 3-8 vs Mnths 9+ (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Decrease	USD	4,000	4,000	3,300	3,300
JCC	HRP		Decrease	USD	4,400	4,000	3,630	3,300
Mnths 9+ vs 9+ (JAPAN CRUDE COCKTAIL (DETL) YEN FUT)								
JCY	Non-HRP		Increase	JPY	105,000	105,000	130,000	130,000
JCY	HRP		Increase	JPY	115,500	105,000	143,000	130,000
Mnths 9+ vs Mnths 9+ (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Increase	USD	750	750	1,000	1,000
JCC	HRP		Increase	USD	825	750	1,100	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
DME Products - Intra Spreads								
DME Oman Crude Oil BALMO Futures - All Months (DME CRUDE OIL BALMO FUT)								
DDB	Non-HRP		Increase	USD	2,500	2,500	3,750	3,750
DDB	HRP		Increase	USD	2,750	2,500	4,125	3,750
DME Oman Crude Oil Calendar Futures - Tier 1 vs Tier 2 (DME OMAN CRUDE CAL FUT)								
ODO	Non-HRP		Decrease	USD	3,950	3,950	3,250	3,250
ODO	HRP		Decrease	USD	4,345	3,950	3,575	3,250
DME Oman Crude Oil Calendar Futures - Tier 2 vs Tier 2 (DME OMAN CRUDE CAL FUT)								
ODO	Non-HRP		Increase	USD	550	550	600	600
ODO	HRP		Increase	USD	605	550	660	600
Month 1 vs 2-3 (DME OMAN CRUDE OIL)								
OQ	Non-HRP		Decrease	USD	1,500	1,500	500	500
OQ	HRP		Decrease	USD	1,650	1,500	550	500
Month 1 vs 2-3 (OMAN CRUDE FINANCIAL)								
ZG	Non-HRP		Decrease	USD	1,500	1,500	500	500
ZG	HRP		Decrease	USD	1,650	1,500	550	500
Month 1 vs 2-3 (OMAN CRUDE OIL TAM FUT)								
OQB	Non-HRP		Decrease	USD	1,500	1,500	500	500
OQB	HRP		Decrease	USD	1,650	1,500	550	500
Month 1 vs 2-3 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Non-HRP		Decrease	USD	1,500	1,500	500	500
OQ1	HRP		Decrease	USD	1,650	1,500	550	500
Month 1 vs 4-8 (DME OMAN CRUDE OIL)								
OQ	Non-HRP		Decrease	USD	1,150	1,150	400	400
OQ	HRP		Decrease	USD	1,265	1,150	440	400
Month 1 vs 4-8 (OMAN CRUDE FINANCIAL)								
ZG	Non-HRP		Decrease	USD	1,150	1,150	400	400
ZG	HRP		Decrease	USD	1,265	1,150	440	400
Month 1 vs 4-8 (OMAN CRUDE OIL TAM FUT)								
OQB	Non-HRP		Decrease	USD	1,150	1,150	400	400
OQB	HRP		Decrease	USD	1,265	1,150	440	400
Month 1 vs 4-8 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Non-HRP		Decrease	USD	1,150	1,150	400	400
OQ1	HRP		Decrease	USD	1,265	1,150	440	400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 1 vs 9+ (DME OMAN CRUDE OIL)								
OQ	Non-HRP		Decrease	USD	600	600	100	100
OQ	HRP		Decrease	USD	660	600	110	100
Month 1 vs 9+ (OMAN CRUDE FINANCIAL)								
ZG	Non-HRP		Decrease	USD	600	600	100	100
ZG	HRP		Decrease	USD	660	600	110	100
Month 1 vs 9+ (OMAN CRUDE OIL TAM FUT)								
OQB	Non-HRP		Decrease	USD	600	600	100	100
OQB	HRP		Decrease	USD	660	600	110	100
Month 1 vs 9+ (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Non-HRP		Decrease	USD	600	600	100	100
OQ1	HRP		Decrease	USD	660	600	110	100
Months 2-3 vs 9+ (DME OMAN CRUDE OIL)								
OQ	Non-HRP		Decrease	USD	850	850	550	550
OQ	HRP		Decrease	USD	935	850	605	550
Months 2-3 vs 9+ (OMAN CRUDE FINANCIAL)								
ZG	Non-HRP		Decrease	USD	850	850	550	550
ZG	HRP		Decrease	USD	935	850	605	550
Months 2-3 vs 9+ (OMAN CRUDE OIL TAM FUT)								
OQB	Non-HRP		Decrease	USD	850	850	550	550
OQB	HRP		Decrease	USD	935	850	605	550
Months 2-3 vs 9+ (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Non-HRP		Decrease	USD	850	850	550	550
OQ1	HRP		Decrease	USD	935	850	605	550
Months 4-8 vs 4-8 (DME OMAN CRUDE OIL)								
OQ	Non-HRP		Decrease	USD	900	900	725	725
OQ	HRP		Decrease	USD	990	900	798	725
Months 4-8 vs 4-8 (OMAN CRUDE FINANCIAL)								
ZG	Non-HRP		Decrease	USD	900	900	725	725
ZG	HRP		Decrease	USD	990	900	798	725
Months 4-8 vs 4-8 (OMAN CRUDE OIL TAM FUT)								
OQB	Non-HRP		Decrease	USD	900	900	725	725
OQB	HRP		Decrease	USD	990	900	798	725

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Intra Spreads

Months 4-8 vs 4-8 (OMAN CRUDE OIL TAM MARKER SYN)

OQ1	Non-HRP		Decrease	USD	900	900	725	725
OQ1	HRP		Decrease	USD	990	900	798	725

Months 4-8 vs 9+ (DME OMAN CRUDE OIL)

OQ	Non-HRP		Decrease	USD	500	500	200	200
OQ	HRP		Decrease	USD	550	500	220	200

Months 4-8 vs 9+ (OMAN CRUDE FINANCIAL)

ZG	Non-HRP		Decrease	USD	500	500	200	200
ZG	HRP		Decrease	USD	550	500	220	200

Months 4-8 vs 9+ (OMAN CRUDE OIL TAM FUT)

OQB	Non-HRP		Decrease	USD	500	500	200	200
OQB	HRP		Decrease	USD	550	500	220	200

Months 4-8 vs 9+ (OMAN CRUDE OIL TAM MARKER SYN)

OQ1	Non-HRP		Decrease	USD	500	500	200	200
OQ1	HRP		Decrease	USD	550	500	220	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ELECTRICITY - Intra Spreads								
German Power Baseload Calendar month futures - Months 1 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	36,500	36,500	31,500	31,500
DEB	HRP		Decrease	EUR	40,150	36,500	34,650	31,500
German Power Baseload Calendar month futures - Months 1 vs 2 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	27,500	27,500	22,500	22,500
DEB	HRP		Decrease	EUR	30,250	27,500	24,750	22,500
German Power Baseload Calendar month futures - Months 1 vs 3 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	38,000	38,000	33,000	33,000
DEB	HRP		Decrease	EUR	41,800	38,000	36,300	33,000
German Power Baseload Calendar month futures - Months 1 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	38,000	38,000	33,000	33,000
DEB	HRP		Decrease	EUR	41,800	38,000	36,300	33,000
German Power Baseload Calendar month futures - Months 10+ vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 2 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 2 vs 3 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 2 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 3 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 3 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
German Power Baseload Calendar month futures - Months 4-9 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
German Power Baseload Calendar month futures - Months 4-9 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Non-HRP		Decrease	EUR	37,000	37,000	32,000	32,000
DEB	HRP		Decrease	EUR	40,700	37,000	35,200	32,000
METALS - Intra Spreads								
Months 01 vs. Months 02-10 (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Decrease	USD	1,725	1,725	1,400	1,400
HR	HRP		Decrease	USD	1,898	1,725	1,540	1,400
Months 01 vs. Months 11+ (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Decrease	USD	1,900	1,900	1,400	1,400
HR	HRP		Decrease	USD	2,090	1,900	1,540	1,400
Months 01-04 vs. Months 01-04 (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Decrease	EUR	2,300	2,300	1,000	1,000
EHR	HRP		Decrease	EUR	2,530	2,300	1,100	1,000
Months 01-04 vs. Months 05+ (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Decrease	EUR	2,300	2,300	1,000	1,000
EHR	HRP		Decrease	EUR	2,530	2,300	1,100	1,000
Months 02-10 vs. Months 02-10 (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Decrease	USD	1,850	1,850	1,400	1,400
HR	HRP		Decrease	USD	2,035	1,850	1,540	1,400
Months 02-10 vs. Months 11+ (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Decrease	USD	2,600	2,600	1,400	1,400
HR	HRP		Decrease	USD	2,860	2,600	1,540	1,400
Months 05+ vs. Months 05+ (NORTH EURO HOT-ROLLED COIL STEEL)								
EHR	Non-HRP		Decrease	EUR	2,300	2,300	1,000	1,000
EHR	HRP		Decrease	EUR	2,530	2,300	1,100	1,000
Months 11+ vs. Months 11+ (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Decrease	USD	2,500	2,500	1,400	1,400
HR	HRP		Decrease	USD	2,750	2,500	1,540	1,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NATURAL GAS - Intra Spreads								
(DUTCH TTF NAT GAS FIN M-1 AVG PRC)								
TTB	Non-HRP		Decrease	USD	25,500	25,500	22,000	22,000
TTB	Non-HRP		Decrease	USD	33,500	33,500	28,000	28,000
TTB	HRP		Decrease	USD	28,050	25,500	24,200	22,000
TTB	HRP		Decrease	USD	36,850	33,500	30,800	28,000
(DUTCH TTF NATURAL GAS (USD/MMBTU))								
TFU	Non-HRP		Decrease	USD	25,500	25,500	22,000	22,000
TFU	Non-HRP		Decrease	USD	31,500	31,500	28,000	28,000
TFU	HRP		Decrease	USD	28,050	25,500	24,200	22,000
TFU	HRP		Decrease	USD	34,650	31,500	30,800	28,000
(DUTCH TTF NATURAL GAS FIN CAL M)								
TTG	Non-HRP		Decrease	EUR	5,000	5,000	4,500	4,500
TTG	Non-HRP		Decrease	EUR	6,500	6,500	5,000	5,000
TTG	Non-HRP		Decrease	EUR	7,000	7,000	6,000	6,000
TTG	Non-HRP		Decrease	EUR	9,000	9,000	8,000	8,000
TTG	HRP		Decrease	EUR	5,500	5,000	4,950	4,500
TTG	HRP		Decrease	EUR	7,150	6,500	5,500	5,000
TTG	HRP		Decrease	EUR	7,700	7,000	6,600	6,000
TTG	HRP		Decrease	EUR	9,900	9,000	8,800	8,000
(DUTCH TTF NATURAL GAS FIN DAY AHEAD)								
TTI	Non-HRP		Decrease	EUR	5,000	5,000	4,500	4,500
TTI	Non-HRP		Decrease	EUR	6,500	6,500	5,000	5,000
TTI	Non-HRP		Decrease	EUR	7,000	7,000	6,000	6,000
TTI	Non-HRP		Decrease	EUR	11,000	11,000	6,500	6,500
TTI	Non-HRP		Decrease	EUR	9,000	9,000	8,000	8,000
TTI	Non-HRP		Increase	EUR	6,000	6,000	8,500	8,500
TTI	HRP		Decrease	EUR	5,500	5,000	4,950	4,500
TTI	HRP		Decrease	EUR	7,150	6,500	5,500	5,000
TTI	HRP		Decrease	EUR	7,700	7,000	6,600	6,000
TTI	HRP		Decrease	EUR	12,100	11,000	7,150	6,500
TTI	HRP		Decrease	EUR	9,900	9,000	8,800	8,000
TTI	HRP		Increase	EUR	6,600	6,000	9,350	8,500
Consec Month 2-12 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	30,000	30,000	24,000	24,000
JKM	HRP		Decrease	USD	33,000	30,000	26,400	24,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	11,000	11,000	8,500	8,500
TTF	HRP		Decrease	EUR	12,100	11,000	9,350	8,500
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 2 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	6,500	6,500	5,000	5,000
TTF	HRP		Decrease	EUR	7,150	6,500	5,500	5,000
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 3 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	5,000	5,000	4,500	4,500
TTF	HRP		Decrease	EUR	5,500	5,000	4,950	4,500
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Increase	EUR	6,000	6,000	8,500	8,500
TTF	HRP		Increase	EUR	6,600	6,000	9,350	8,500
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	10,000	10,000	8,250	8,250
TTF	HRP		Decrease	EUR	11,000	10,000	9,075	8,250
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 3 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	7,000	7,000	6,000	6,000
TTF	HRP		Decrease	EUR	7,700	7,000	6,600	6,000
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	8,500	8,500	6,500	6,500
TTF	HRP		Decrease	EUR	9,350	8,500	7,150	6,500
Dutch TTF Natural Gas Calendar Month Futures - Month 3 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	10,000	10,000	8,500	8,500
TTF	HRP		Decrease	EUR	11,000	10,000	9,350	8,500
Dutch TTF Natural Gas Calendar Month Futures - Month 3 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	9,000	9,000	6,250	6,250
TTF	HRP		Decrease	EUR	9,900	9,000	6,875	6,250
Dutch TTF Natural Gas Calendar Month Futures - Months 10+ vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	10,500	10,500	9,500	9,500
TTF	HRP		Decrease	EUR	11,550	10,500	10,450	9,500
Dutch TTF Natural Gas Calendar Month Futures - Months 4-9 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	9,500	9,500	8,500	8,500
TTF	HRP		Decrease	EUR	10,450	9,500	9,350	8,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dutch TTF Natural Gas Calendar Month Futures - Months 4-9 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Non-HRP		Decrease	EUR	9,000	9,000	7,000	7,000
TTF	HRP		Decrease	EUR	9,900	9,000	7,700	7,000
Mnth 1 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	33,000	33,000	26,000	26,000
JKM	HRP		Decrease	USD	36,300	33,000	28,600	26,000
Mnth 1 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	32,500	32,500	27,000	27,000
JKM	HRP		Decrease	USD	35,750	32,500	29,700	27,000
Mnths 1 vs 2-12 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Non-HRP		Decrease	JPY	4,725,000	4,725,000	4,100,000	4,100,000
JKY	HRP		Decrease	JPY	5,197,500	4,725,000	4,510,000	4,100,000
Mnths 13+ vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	29,000	29,000	23,000	23,000
JKM	HRP		Decrease	USD	31,900	29,000	25,300	23,000
Mnths 2-12 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	34,000	34,000	23,500	23,500
JKM	HRP		Decrease	USD	37,400	34,000	25,850	23,500
Mnths 2-12 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Non-HRP		Decrease	USD	32,000	32,000	24,500	24,500
JKM	HRP		Decrease	USD	35,200	32,000	26,950	24,500
Mnths 2-12 vs 2-12 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Non-HRP		Decrease	JPY	4,900,000	4,900,000	4,300,000	4,300,000
JKY	HRP		Decrease	JPY	5,390,000	4,900,000	4,730,000	4,300,000
Month 1 vs Month 2 (LNG NW EUROPE MARKER (PLATTS) FUT)								
NWM	Non-HRP		Decrease	USD	30,000	30,000	27,000	27,000
NWM	HRP		Decrease	USD	33,000	30,000	29,700	27,000
Month 8-19 vs Month 8-19 (LNG NW EUROPE MARKER (PLATTS) FUT)								
NWM	Non-HRP		Decrease	USD	30,000	30,000	27,000	27,000
NWM	HRP		Decrease	USD	33,000	30,000	29,700	27,000
NBP Intras 1 vs 2+ (UK NBP NATURAL GAS FRONT MTH FUT)								
NBP	Non-HRP		Increase	USD	22,500	22,500	24,000	24,000
NBP	HRP		Increase	USD	24,750	22,500	26,400	24,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NBP Intras 2+ vs 2+ (UK NBP NATURAL GAS FRONT MTH FUT)								
NBP	Non-HRP		Increase	USD	25,000	25,000	30,000	30,000
NBP	HRP		Increase	USD	27,500	25,000	33,000	30,000
RealPeriod 2 vs 2 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Non-HRP		Decrease	JPY	4,050,000	4,050,000	3,500,000	3,500,000
JKY	HRP		Decrease	JPY	4,455,000	4,050,000	3,850,000	3,500,000
RelPeriod (LNG NW EUROPE MARKER (PLATTS) FUT)								
NWM	Non-HRP		Decrease	USD	14,000	14,000	7,000	7,000
NWM	HRP		Decrease	USD	15,400	14,000	7,700	7,000
TTE Intras 1vs 2+ (DUTCH TTF NATURAL GAS FRONT MTH FUT)								
TTE	Non-HRP		Decrease	USD	25,500	25,500	22,000	22,000
TTE	HRP		Decrease	USD	28,050	25,500	24,200	22,000
TTE Intras 2+ vs 2+ (DUTCH TTF NATURAL GAS FRONT MTH FUT)								
TTE	Non-HRP		Decrease	USD	33,500	33,500	28,000	28,000
TTE	HRP		Decrease	USD	36,850	33,500	30,800	28,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	11,000	11,000	9,000	9,000
UKG	HRP		Decrease	GBP	12,100	11,000	9,900	9,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 2 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	7,500	7,500	4,000	4,000
UKG	HRP		Decrease	GBP	8,250	7,500	4,400	4,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 3 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	7,000	7,000	6,000	6,000
UKG	HRP		Decrease	GBP	7,700	7,000	6,600	6,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	9,000	9,000	7,000	7,000
UKG	HRP		Decrease	GBP	9,900	9,000	7,700	7,000
UK NBP Natural Gas Calendar month futures - Months 10+ vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	5,000	5,000	3,000	3,000
UKG	HRP		Decrease	GBP	5,500	5,000	3,300	3,000
UK NBP Natural Gas Calendar month futures - Months 2 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	11,000	11,000	9,000	9,000
UKG	HRP		Decrease	GBP	12,100	11,000	9,900	9,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
UK NBP Natural Gas Calendar month futures - Months 2 vs 3 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	5,000	5,000	3,000	3,000
UKG	HRP		Decrease	GBP	5,500	5,000	3,300	3,000
UK NBP Natural Gas Calendar month futures - Months 2 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	7,500	7,500	6,000	6,000
UKG	HRP		Decrease	GBP	8,250	7,500	6,600	6,000
UK NBP Natural Gas Calendar month futures - Months 3 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	6,800	6,800	5,500	5,500
UKG	HRP		Decrease	GBP	7,480	6,800	6,050	5,500
UK NBP Natural Gas Calendar month futures - Months 3 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	6,000	6,000	4,500	4,500
UKG	HRP		Decrease	GBP	6,600	6,000	4,950	4,500
UK NBP Natural Gas Calendar month futures - Months 4-9 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	6,500	6,500	6,000	6,000
UKG	HRP		Decrease	GBP	7,150	6,500	6,600	6,000
UK NBP Natural Gas Calendar month futures - Months 4-9 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Non-HRP		Decrease	GBP	5,500	5,500	3,750	3,750
UKG	HRP		Decrease	GBP	6,050	5,500	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								
REFINED PRODUCTS - Intra Spreads								
(DATED BRENT(PLATTS) BALMO FUT)								
DBB	Non-HRP		Increase	USD	1,750	1,750	2,750	2,750
DBB	HRP		Increase	USD	1,925	1,750	3,025	2,750
Chicago ULSD (Platts) Swap - All Months (CHICAGO ULSD (PLATTS) FUT)								
4C	Non-HRP		Increase	USD	3,000	3,000	4,750	4,750
4C	HRP		Increase	USD	3,300	3,000	5,225	4,750
Consecutives 2/3+ (EIA FLAT TAX ONHWAY DIESEL FUT)								
A5	Non-HRP		Decrease	USD	4,000	4,000	3,000	3,000
A5	HRP		Decrease	USD	4,400	4,000	3,300	3,000
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP- 2+ vs 3+ (EIA FLAT TAX ONHWAY DIESEL FUT)								
A5	Non-HRP		Decrease	USD	9,500	9,500	5,250	5,250
A5	HRP		Decrease	USD	10,450	9,500	5,775	5,250
Gulf Coast #6 Fuel 3.0% Swap - Months 2-6 vs 2-6 (123 SYNTHET GULF COAST NO.6 FUE)								
123	Non-HRP		Decrease	USD	140	140	110	110
123	HRP		Decrease	USD	154	140	121	110
Gulf Coast #6 Fuel 3.0% Swap - Months 2-6 vs 2-6 (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Non-HRP		Decrease	USD	1,400	1,400	1,100	1,100
MF	HRP		Decrease	USD	1,540	1,400	1,210	1,100
Gulf Coast #6 Fuel 3.0% Swap - Months 7-11 vs 12+ (123 SYNTHET GULF COAST NO.6 FUE)								
123	Non-HRP		Decrease	USD	150	150	100	100
123	HRP		Decrease	USD	165	150	110	100
Gulf Coast #6 Fuel 3.0% Swap - Months 7-11 vs 12+ (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Non-HRP		Decrease	USD	1,500	1,500	1,000	1,000
MF	HRP		Decrease	USD	1,650	1,500	1,100	1,000
Gulf Coast ULSD (Argus) Calendar Swaps - All Months (GC ULSD ARGUS CAL FUT)								
AJ	Non-HRP		Increase	USD	1,700	1,700	2,000	2,000
AJ	HRP		Increase	USD	1,870	1,700	2,200	2,000
Gulf Coast ULSD Swap- Consecutive Month 2+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		New	USD			1,500	1,500
LY	HRP		New	USD			1,650	1,500
Gulf Coast ULSD Swap- Consecutive Month 2+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		New	USD			150	150
111	HRP		New	USD			165	150

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		Decrease	USD	5,000	5,000	4,000	4,000
LX	HRP		Decrease	USD	5,500	5,000	4,400	4,000
Mnth 1 vs 7+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Decrease	USD	4,000	4,000	2,000	2,000
LY	HRP		Decrease	USD	4,400	4,000	2,200	2,000
Mnth 1 vs 7+ (SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Decrease	USD	4,000	4,000	2,000	2,000
SLY	HRP		Decrease	USD	4,400	4,000	2,200	2,000
Mnth 1 vs 7+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Decrease	USD	400	400	200	200
111	HRP		Decrease	USD	440	400	220	200
Mnth 3+ vs 3+ (EIA FLAT TAX ONHWAY DIESEL FUT)								
A5	Non-HRP		Decrease	USD	7,600	7,600	4,500	4,500
A5	HRP		Decrease	USD	8,360	7,600	4,950	4,500
Mnth 7+ vs 7+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Decrease	USD	1,600	1,600	1,000	1,000
LY	HRP		Decrease	USD	1,760	1,600	1,100	1,000
Mnth 7+ vs 7+ (SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Decrease	USD	1,600	1,600	1,000	1,000
SLY	HRP		Decrease	USD	1,760	1,600	1,100	1,000
Mnth 7+ vs 7+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Decrease	USD	160	160	100	100
111	HRP		Decrease	USD	176	160	110	100
Month 3 vs 3+ (USGC MARINE FUEL 0.5% (PLATTS) FUT)								
H5F	Non-HRP		Decrease	USD	2,100	2,100	1,250	1,250
H5F	HRP		Decrease	USD	2,310	2,100	1,375	1,250
Month 3 vs 3+ (USGC MARINE FUEL 0.5% BARGES (PLATT))								
UP5	Non-HRP		Decrease	USD	13,335	13,335	7,938	7,938
UP5	HRP		Decrease	USD	14,669	13,335	8,731	7,938
Month 7-11 vs 12+ (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Non-HRP		Decrease	USD	1,500	1,500	1,000	1,000
SMF	HRP		Decrease	USD	1,650	1,500	1,100	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Months 1 v 2 (USGC MARINE FUEL 0.5% (PLATTS) FUT)								
H5F	Non-HRP		Decrease	USD	3,900	3,900	1,900	1,900
H5F	HRP		Decrease	USD	4,290	3,900	2,090	1,900
Months 1 v 2 (USGC MARINE FUEL 0.5% BARGES (PLATT))								
UP5	Non-HRP		Decrease	USD	24,765	24,765	12,065	12,065
UP5	HRP		Decrease	USD	27,242	24,765	13,272	12,065
Months 1 vs 3+ (USGC MARINE FUEL 0.5% (PLATTS) FUT)								
H5F	Non-HRP		Decrease	USD	2,600	2,600	2,000	2,000
H5F	HRP		Decrease	USD	2,860	2,600	2,200	2,000
Months 1 vs 3+ (USGC MARINE FUEL 0.5% BARGES (PLATT))								
UP5	Non-HRP		Decrease	USD	16,510	16,510	12,700	12,700
UP5	HRP		Decrease	USD	18,161	16,510	13,970	12,700
Months 2-6 vs 2-6 (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Non-HRP		Decrease	USD	1,400	1,400	1,100	1,100
SMF	HRP		Decrease	USD	1,540	1,400	1,210	1,100
NY Harbor Residual Fuel 1.0% Swap - All Months (NY HARBOR RESIDUAL FUEL 1.0% S FUT)								
MM	Non-HRP		Decrease	USD	2,900	2,900	2,000	2,000
MM	HRP		Decrease	USD	3,190	2,900	2,200	2,000

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NATURAL GAS - Inter-commodity Spread Rates						
(NY-NWM - CME) vs (NY-TTF - CME)						
Spread Credit Rate	Decrease	+1:-4	75%	75%	70%	70%
(NY-NWM - CME) vs (NY-UKG - CME)						
Spread Credit Rate	Increase	+3:-10	75%	75%	80%	80%
(NY-TTF - CME) vs (NY-JKM - CME)						
Spread Credit Rate	Decrease	+4:-1	75%	75%	65%	65%
(NY-TTF - CME) vs (NY-UKG - CME)						
Spread Credit Rate	Decrease	+5:-4	86%	86%	80%	80%
Spread Credit Rate	Decrease	+5:-4	90%	90%	85%	85%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
FX - Short Option Minimum (SOM) Rate						
USD/OFFSHORE RMB (CNH) FUTURES (CNH, CNH, MNH, WCN) - SOM						
Clearing Member Rate		Increase	1.375	1.250	254.100	231.000

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						
USD/OFFSHORE RMB (CNH) FUTURES (CNH, CNH, MNH, WCN) - volScan						
Clearing Member Rate	Months 1-12	Increase		0.080%		20.000%
Clearing Member Rate	Months 13+	Increase		0.080%		20.000%