



14-232

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, June 12, 2014

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

<http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html>

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below.

The rates will be effective after the close of business on

Friday, June 13, 2014.

Current rates as of:

Thursday, June 12, 2014.

In this current advisory there are changes to the Short Option Minimum and/or the Volatility Scan Range. Below are descriptions of what each change affects:

The Short Option Minimum (SOM) is a charge that is applied only to portfolios concentrated in short options that do not generate a minimum margin requirement level when margins are calculated using the normal 16 SPAN scenarios. The SOM charge per short calls or short puts is a percentage of the outright margin on one underlying futures contract.

The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
LIVE CATTLE FUTURES (LC)								
LC	Spec	Mnth 1	Increase	USD	935	850	1,320	1,200
LC	Hedge/Member	Mnth 1	Increase	USD	850	850	1,200	1,200
LC	Spec	Mnths 2+	Increase	USD	1,100	1,000	1,320	1,200
LC	Hedge/Member	Mnths 2+	Increase	USD	1,000	1,000	1,200	1,200
NYMEX COCOA (CJ)								
CJ	Spec		Decrease	USD	1,375	1,250	880	800
CJ	Hedge/Member		Decrease	USD	1,250	1,250	800	800
NYMEX COFFEE (KT)								
KT	Spec		Decrease	USD	9,900	9,000	7,590	6,900
KT	Hedge/Member		Decrease	USD	9,000	9,000	6,900	6,900
NYMEX COTTON (TT)								
TT	Spec		Decrease	USD	2,475	2,250	1,760	1,600
TT	Hedge/Member		Decrease	USD	2,250	2,250	1,600	1,600
SUGAR 11 FUTURES NYMEX (YO)								
YO	Spec		Decrease	USD	1,100	1,000	880	800
YO	Hedge/Member		Decrease	USD	1,000	1,000	800	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COAL - Outright Rates								
COAL API 8 CFR SOUTH CHINA (SSI)								
SSI	Spec		Decrease	USD	2,420	2,200	1,980	1,800
SSI	Hedge/Member		Decrease	USD	2,200	2,200	1,800	1,800
COAL API2 CIF ARA ARG-MCCLOSKEY FUT (MTF)								
MTF	Spec	Month 1	Decrease	USD	1,980	1,800	1,760	1,600
MTF	Hedge/Member	Month 1	Decrease	USD	1,800	1,800	1,600	1,600
MTF	Spec	Mth 2-6	Decrease	USD	1,980	1,800	1,650	1,500
MTF	Hedge/Member	Mth 2-6	Decrease	USD	1,800	1,800	1,500	1,500
COAL API4 RCH BAY ARGS MCCLOSKEY FUT (MFF)								
MFF	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,870	1,700
MFF	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,700	1,700
MFF	Spec	Mnth 2-6	Decrease	USD	2,200	2,000	1,760	1,600
MFF	Hedge/Member	Mnth 2-6	Decrease	USD	2,000	2,000	1,600	1,600
MFF	Spec	Mnth 7+	Decrease	USD	1,650	1,500	1,100	1,000
MFF	Hedge/Member	Mnth 7+	Decrease	USD	1,500	1,500	1,000	1,000
COAL API5 FOB NEWCASTLE ARG/MC FUT (ACM)								
ACM	Spec	Mth 1	New	USD			3,300	3,000
ACM	Hedge/Member	Mth 1	New	USD			3,000	3,000
ACM	Spec	Mths 2+	New	USD			2,750	2,500
ACM	Hedge/Member	Mths 2+	New	USD			2,500	2,500
EASTERN RAIL DELIVERY CSX COAL FUT (QX)								
QX	Spec	Mths 1-3	Decrease	USD	2,200	2,000	1,980	1,800
QX	Hedge/Member	Mths 1-3	Decrease	USD	2,000	2,000	1,800	1,800
QX	Spec	Mths 4+	Decrease	USD	1,870	1,700	1,650	1,500
QX	Hedge/Member	Mths 4+	Decrease	USD	1,700	1,700	1,500	1,500
INDONESIAN COAL MCCLOSKEY SUBBIT. (MCC)								
MCC	Spec	Mth 1	Increase	USD	1,485	1,350	1,980	1,800
MCC	Hedge/Member	Mth 1	Increase	USD	1,350	1,350	1,800	1,800
MCC	Spec	Mths 2-6	Increase	USD	1,100	1,000	1,485	1,350
MCC	Hedge/Member	Mths 2-6	Increase	USD	1,000	1,000	1,350	1,350
MCC	Spec	Mths 7+	New	USD			1,100	1,000
MCC	Hedge/Member	Mths 7+	New	USD			1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NYMEX COAL FUTURES (QL)

QL	Spec	Mnth 1	Decrease	USD	3,080	2,800	2,750	2,500
QL	Hedge/Member	Mnth 1	Decrease	USD	2,800	2,800	2,500	2,500
QL	Spec	Mnths 2+	Decrease	USD	3,080	2,800	2,750	2,500
QL	Hedge/Member	Mnths 2+	Decrease	USD	2,800	2,800	2,500	2,500

WESTERN RAIL DELIVERY PRB COAL FUT (QP)

QP	Spec	Mnth 1	Increase	USD	468	425	550	500
QP	Hedge/Member	Mnth 1	Increase	USD	425	425	500	500
QP	Spec	Mnths 2-6	Increase	USD	303	275	385	350
QP	Hedge/Member	Mnths 2-6	Increase	USD	275	275	350	350
QP	Spec	Mnths 7+	New	USD			303	275
QP	Hedge/Member	Mnths 7+	New	USD			275	275

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL - Outright Rates

ARGUS LLS TRADE MONTH FUT (A4)

A4	Spec	Decrease	USD	6,600	6,000	5,500	5,000
A4	Hedge/Member	Decrease	USD	6,000	6,000	5,000	5,000

ARGUS SOUR CRUDE IDX CAL MTH FUT (37)

37	Spec	Decrease	USD	6,600	6,000	5,500	5,000
37	Hedge/Member	Decrease	USD	6,000	6,000	5,000	5,000

ARGUS SOUR CRUDE IND WGT(ASCI) TRD (29)

29	Spec	Decrease	USD	6,600	6,000	5,500	5,000
29	Hedge/Member	Decrease	USD	6,000	6,000	5,000	5,000

ARGUS WTI FORMULA BASIS CAL FUT (39)

39	Spec	Decrease	USD	6,600	6,000	5,500	5,000
39	Hedge/Member	Decrease	USD	6,000	6,000	5,000	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT CRUDE TAM LONDON (BZL)

BZL	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BZL	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BZL	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BZL	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BZL	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BZL	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BZL	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BZL	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BZL	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BZL	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BZL	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BZL	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BZL	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BZL	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BZL	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BZL	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BZL	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BZL	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BZL	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BZL	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BZL	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BZL	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BZL	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BZL	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BZL	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BZL	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BZL	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BZL	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT CRUDE TAM SINGAPORE (BZS)

BZS	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BZS	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BZS	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BZS	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BZS	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BZS	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BZS	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BZS	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BZS	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BZS	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BZS	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BZS	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BZS	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BZS	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BZS	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BZS	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BZS	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BZS	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BZS	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BZS	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BZS	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BZS	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BZS	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BZS	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BZS	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BZS	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BZS	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BZS	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT FIN TRAD AT SETTLE FUTURES (BBT)

BBT	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BBT	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BBT	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BBT	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BBT	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BBT	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BBT	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BBT	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BBT	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BBT	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BBT	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BBT	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BBT	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BBT	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BBT	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BBT	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BBT	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BBT	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BBT	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BBT	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BBT	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BBT	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BBT	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BBT	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BBT	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BBT	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BBT	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BBT	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT FINANCIAL FUTURES (BB)

BB	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BB	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BB	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BB	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BB	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BB	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BB	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BB	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BB	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BB	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BB	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BB	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BB	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BB	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BB	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BB	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BB	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BB	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BB	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BB	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BB	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BB	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BB	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BB	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BB	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BB	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BB	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BB	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT FINANCIAL FUTURES (CY)

CY	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
CY	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
CY	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
CY	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
CY	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
CY	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
CY	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
CY	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
CY	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
CY	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
CY	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
CY	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
CY	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
CY	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
CY	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
CY	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
CY	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
CY	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
CY	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
CY	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
CY	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
CY	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
CY	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
CY	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
CY	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
CY	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
CY	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
CY	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

BRENT LAST DAY CONTRACT (BZ)

BZ	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BZ	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BZ	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BZ	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BZ	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BZ	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BZ	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BZ	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BZ	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BZ	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BZ	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BZ	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BZ	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BZ	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BZ	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BZ	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BZ	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BZ	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BZ	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BZ	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BZ	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BZ	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BZ	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BZ	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BZ	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BZ	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BZ	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BZ	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
BRENT LAST DAYTRADE AT SETTLEMENT (BZT)								
BZT	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
BZT	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
BZT	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
BZT	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
BZT	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
BZT	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
BZT	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
BZT	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
BZT	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
BZT	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
BZT	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
BZT	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
BZT	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
BZT	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
BZT	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
BZT	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
BZT	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
BZT	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
BZT	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
BZT	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
BZT	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
BZT	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
BZT	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
BZT	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
BZT	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
BZT	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
BZT	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
BZT	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800
DME OMAN CRUDE FUT (DOO)								
DOO	Spec	Mth 1	Increase	USD	2,640	2,400	2,915	2,650
DOO	Hedge/Member	Mth 1	Increase	USD	2,400	2,400	2,650	2,650
DOO	Spec	Mths 2+	Increase	USD	2,640	2,400	2,915	2,650
DOO	Hedge/Member	Mths 2+	Increase	USD	2,400	2,400	2,650	2,650
DME OMAN CRUDE OIL (OQ)								
OQ	Spec	Mth 1	Increase	USD	2,640	2,400	2,915	2,650
OQ	Hedge/Member	Mth 1	Increase	USD	2,400	2,400	2,650	2,650
OQ	Spec	Mths 2+	Increase	USD	2,640	2,400	2,915	2,650
OQ	Hedge/Member	Mths 2+	Increase	USD	2,400	2,400	2,650	2,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

EUROPE DATED BRENT FUT (UB)

UB	Spec	All Months	Decrease	USD	3,190	2,900	2,750	2,500
UB	Hedge/Member	All Months	Decrease	USD	2,900	2,900	2,500	2,500

ICE BRENT (SINGAPORE MARKER) FUT (IBS)

IBS	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
IBS	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
IBS	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
IBS	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
IBS	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
IBS	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
IBS	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
IBS	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
IBS	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
IBS	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
IBS	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
IBS	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
IBS	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
IBS	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
IBS	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
IBS	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
IBS	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
IBS	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
IBS	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
IBS	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
IBS	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
IBS	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
IBS	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
IBS	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
IBS	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
IBS	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
IBS	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
IBS	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ICE BRENT-EURO DENOMINATED CAL FUT (IBE)

IBE	Spec	Mnth 1	Decrease	EUR	4,400	4,000	3,300	3,000
IBE	Hedge/Member	Mnth 1	Decrease	EUR	4,000	4,000	3,000	3,000
IBE	Spec	Mnth 2-4	Decrease	EUR	3,300	3,000	3,025	2,750
IBE	Hedge/Member	Mnth 2-4	Decrease	EUR	3,000	3,000	2,750	2,750
IBE	Spec	Mnth 5-16	Decrease	EUR	3,300	3,000	2,750	2,500
IBE	Hedge/Member	Mnth 5-16	Decrease	EUR	3,000	3,000	2,500	2,500
IBE	Spec	Mnth 17+	Decrease	EUR	3,300	3,000	2,475	2,250
IBE	Hedge/Member	Mnth 17+	Decrease	EUR	3,000	3,000	2,250	2,250

LLS (ARGUS) CALENDAR FUT (XA)

XA	Spec		Decrease	USD	3,850	3,500	3,080	2,800
XA	Hedge/Member		Decrease	USD	3,500	3,500	2,800	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

MICRO BRENT CRUDE OIL FUTURES (MBZ)

MBZ	Spec	Mnth1	Increase	USD	3	3	3	3
MBZ	Hedge/Member	Mnth1	Increase	USD	3	3	3	3
MBZ	Spec	Mnth2	Increase	USD	3	3	3	3
MBZ	Hedge/Member	Mnth2	Increase	USD	3	3	3	3
MBZ	Spec	Mnth3	Increase	USD	3	2	3	3
MBZ	Hedge/Member	Mnth3	Increase	USD	2	2	3	3
MBZ	Spec	Mnth4	Increase	USD	3	2	3	3
MBZ	Hedge/Member	Mnth4	Increase	USD	2	2	3	3
MBZ	Spec	Mnth5	Increase	USD	2	2	3	3
MBZ	Hedge/Member	Mnth5	Increase	USD	2	2	3	3
MBZ	Spec	Mnth6	Increase	USD	2	2	3	2
MBZ	Hedge/Member	Mnth6	Increase	USD	2	2	2	2
MBZ	Spec	Mnth7	Increase	USD	2	2	3	2
MBZ	Hedge/Member	Mnth7	Increase	USD	2	2	2	2
MBZ	Spec	Mnth8	Increase	USD	2	2	3	2
MBZ	Hedge/Member	Mnth8	Increase	USD	2	2	2	2
MBZ	Spec	Mnth9	Increase	USD	2	2	3	2
MBZ	Hedge/Member	Mnth9	Increase	USD	2	2	2	2
MBZ	Spec	Mnth10	Increase	USD	2	2	2	2
MBZ	Hedge/Member	Mnth10	Increase	USD	2	2	2	2
MBZ	Spec	Mnth11	Increase	USD	2	2	2	2
MBZ	Hedge/Member	Mnth11	Increase	USD	2	2	2	2
MBZ	Spec	Mnth12	Increase	USD	2	2	2	2
MBZ	Hedge/Member	Mnth12	Increase	USD	2	2	2	2
MBZ	Spec	Mnth13	Increase	USD	2	2	2	2
MBZ	Hedge/Member	Mnth13	Increase	USD	2	2	2	2
MBZ	Spec	Mnth14	Increase	USD	2	2	2	2
MBZ	Hedge/Member	Mnth14	Increase	USD	2	2	2	2

OMAN CRUDE FINANCIAL (ZG)

ZG	Spec	Mth 1	Increase	USD	2,640	2,400	2,915	2,650
ZG	Hedge/Member	Mth 1	Increase	USD	2,400	2,400	2,650	2,650
ZG	Spec	Mths 2+	Increase	USD	2,640	2,400	2,915	2,650
ZG	Hedge/Member	Mths 2+	Increase	USD	2,400	2,400	2,650	2,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SYNTHETIC BRENT FINANCIAL FUTURES (SBB)

SBB	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
SBB	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
SBB	Spec	Mnth2	Increase	USD	2,750	2,500	3,080	2,800
SBB	Hedge/Member	Mnth2	Increase	USD	2,500	2,500	2,800	2,800
SBB	Spec	Mnth3	Increase	USD	2,640	2,400	2,970	2,700
SBB	Hedge/Member	Mnth3	Increase	USD	2,400	2,400	2,700	2,700
SBB	Spec	Mnth4	Increase	USD	2,530	2,300	2,860	2,600
SBB	Hedge/Member	Mnth4	Increase	USD	2,300	2,300	2,600	2,600
SBB	Spec	Mnth5	Increase	USD	2,420	2,200	2,750	2,500
SBB	Hedge/Member	Mnth5	Increase	USD	2,200	2,200	2,500	2,500
SBB	Spec	Mnth6	Increase	USD	2,310	2,100	2,640	2,400
SBB	Hedge/Member	Mnth6	Increase	USD	2,100	2,100	2,400	2,400
SBB	Spec	Mnth7	Increase	USD	2,310	2,100	2,640	2,400
SBB	Hedge/Member	Mnth7	Increase	USD	2,100	2,100	2,400	2,400
SBB	Spec	Mnth8	Increase	USD	2,200	2,000	2,530	2,300
SBB	Hedge/Member	Mnth8	Increase	USD	2,000	2,000	2,300	2,300
SBB	Spec	Mnth9	Increase	USD	2,200	2,000	2,530	2,300
SBB	Hedge/Member	Mnth9	Increase	USD	2,000	2,000	2,300	2,300
SBB	Spec	Mnth10	Increase	USD	2,090	1,900	2,420	2,200
SBB	Hedge/Member	Mnth10	Increase	USD	1,900	1,900	2,200	2,200
SBB	Spec	Mnth11	Increase	USD	2,090	1,900	2,310	2,100
SBB	Hedge/Member	Mnth11	Increase	USD	1,900	1,900	2,100	2,100
SBB	Spec	Mnth12	Increase	USD	1,980	1,800	2,200	2,000
SBB	Hedge/Member	Mnth12	Increase	USD	1,800	1,800	2,000	2,000
SBB	Spec	Mnth13	Increase	USD	1,980	1,800	2,090	1,900
SBB	Hedge/Member	Mnth13	Increase	USD	1,800	1,800	1,900	1,900
SBB	Spec	Mnth14	Increase	USD	1,870	1,700	1,980	1,800
SBB	Hedge/Member	Mnth14	Increase	USD	1,700	1,700	1,800	1,800

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								
ARGUS LLS VS. WTI (ARG) TRD M (E5)								
E5	Spec	Mnth 1	Decrease	USD	3,025	2,750	2,200	2,000
E5	Hedge/Member	Mnth 1	Decrease	USD	2,750	2,750	2,000	2,000
E5	Spec	Mnth 3+	Decrease	USD	1,375	1,250	1,100	1,000
E5	Hedge/Member	Mnth 3+	Decrease	USD	1,250	1,250	1,000	1,000
ARGUS SOUR CRD IDX VS WTI DIFF CAL (38)								
38	Spec		Decrease	USD	4,950	4,500	3,300	3,000
38	Hedge/Member		Decrease	USD	4,500	4,500	3,000	3,000
ARGUS SOUR CRUDE INDX VS WTI DIF FUT (36)								
36	Spec		Decrease	USD	3,300	3,000	2,200	2,000
36	Hedge/Member		Decrease	USD	3,000	3,000	2,000	2,000
CANADIAN HEAVYCRUDE(NET ENRGY) FUT (WCC)								
WCC	Spec	Mnths 1-2	Decrease	USD	2,420	2,200	2,090	1,900
WCC	Hedge/Member	Mnths 1-2	Decrease	USD	2,200	2,200	1,900	1,900
WCC	Spec	Mnths 3-6	Decrease	USD	1,760	1,600	1,540	1,400
WCC	Hedge/Member	Mnths 3-6	Decrease	USD	1,600	1,600	1,400	1,400
WCC	Spec	Mnths 7+	Decrease	USD	1,430	1,300	1,100	1,000
WCC	Hedge/Member	Mnths 7+	Decrease	USD	1,300	1,300	1,000	1,000
DATED TO FRONTLINE BRENT BALMO FUT (FE)								
FE	Spec	Mnth 1	Increase	USD	1,320	1,200	1,650	1,500
FE	Hedge/Member	Mnth 1	Increase	USD	1,200	1,200	1,500	1,500
DME OMAN CRUDE OIL VS ICE BRENT FUT (DBO)								
DBO	Spec	Mnth 1	Decrease	USD	1,650	1,500	1,320	1,200
DBO	Hedge/Member	Mnth 1	Decrease	USD	1,500	1,500	1,200	1,200
DBO	Spec	Mnths 4+	Decrease	USD	770	700	605	550
DBO	Hedge/Member	Mnths 4+	Decrease	USD	700	700	550	550
DME OMAN CRUDE VS DUBIA PLATTS FUT (DPO)								
DPO	Spec	Mnths 2+	Decrease	USD	990	900	825	750
DPO	Hedge/Member	Mnths 2+	Decrease	USD	900	900	750	750
ICE BRENT DUBAI FUT (DB)								
DB	Spec	Mnth 1	Decrease	USD	1,650	1,500	1,320	1,200
DB	Hedge/Member	Mnth 1	Decrease	USD	1,500	1,500	1,200	1,200
DB	Spec	Mnths 2-3	Decrease	USD	550	500	495	450
DB	Hedge/Member	Mnths 2-3	Decrease	USD	500	500	450	450
DB	Spec	Mnths 9+	Decrease	USD	330	300	275	250
DB	Hedge/Member	Mnths 9+	Decrease	USD	300	300	250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

MARS (ARGUS) V WTI FUT (YX)

YX	Spec	Mnth 1	Increase	USD	3,410	3,100	4,290	3,900
YX	Hedge/Member	Mnth 1	Increase	USD	3,100	3,100	3,900	3,900

MARS (ARGUS) V WTI TRD MTH FUT (YV)

YV	Spec	Mnth 1	Decrease	USD	3,300	3,000	2,750	2,500
YV	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,500	2,500
YV	Spec	Mnths 2+	Decrease	USD	2,750	2,500	2,200	2,000
YV	Hedge/Member	Mnths 2+	Decrease	USD	2,500	2,500	2,000	2,000

WTI MIDLAND(ARGUS) VS WTI FINCL FUT (FF)

FF	Spec	Mnth1	Increase	USD	3,850	3,500	4,675	4,250
FF	Hedge/Member	Mnth1	Increase	USD	3,500	3,500	4,250	4,250
FF	Spec	Mnth 2-5	Increase	USD	2,750	2,500	2,860	2,600
FF	Hedge/Member	Mnth 2-5	Increase	USD	2,500	2,500	2,600	2,600
FF	Spec	Mnths 6+	Decrease	USD	2,475	2,250	2,200	2,000
FF	Hedge/Member	Mnths 6+	Decrease	USD	2,250	2,250	2,000	2,000

WTS (ARGUS) V WTI TRD MTH FUT (FH)

FH	Spec	Mnth 1	Increase	USD	4,400	4,000	5,500	5,000
FH	Hedge/Member	Mnth 1	Increase	USD	4,000	4,000	5,000	5,000

ELECTRICITY - Outright Rates

NYISO ZONE C 5MW D AH PK (Q5)

Q5	Spec	Mnths 3-11	Increase	USD	358	325	440	400
Q5	Hedge/Member	Mnths 3-11	Increase	USD	325	325	400	400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

FREIGHT - Outright Rates

TC5 RAS TANURA TO YOKOHAMA 55K MT (TH)

TH	Spec	Mth 1	Increase	USD	2,530	2,300	2,970	2,700
TH	Hedge/Member	Mth 1	Increase	USD	2,300	2,300	2,700	2,700
TH	Spec	Mths 2+	New	USD			2,530	2,300
TH	Hedge/Member	Mths 2+	New	USD			2,300	2,300

TD3 MEG TO JAPAN 250K MT (TL)

TL	Spec	Mnth 1	Increase	USD	1,815	1,650	2,200	2,000
TL	Hedge/Member	Mnth 1	Increase	USD	1,650	1,650	2,000	2,000
TL	Spec	Mnth 2	Increase	USD	1,815	1,650	2,200	2,000
TL	Hedge/Member	Mnth 2	Increase	USD	1,650	1,650	2,000	2,000
TL	Spec	Mnths 3+	Increase	USD	1,815	1,650	2,200	2,000
TL	Hedge/Member	Mnths 3+	Increase	USD	1,650	1,650	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

INTEREST RATES - Outright Rates

2 YEAR TREASURY NOTE FUTURES (26)

26	Spec		Decrease	USD	341	310	303	275
26	Hedge/Member		Decrease	USD	310	310	275	275

2 YEAR USD INT RATE SWAP FUTURES (T1U)

T1U	Spec		Decrease	USD	303	275	248	225
T1U	Hedge/Member		Decrease	USD	275	275	225	225

2-YR EUR INTEREST RATE SWAP FUT (T1E)

T1E	Spec		Decrease	EUR	248	225	220	200
T1E	Hedge/Member		Decrease	EUR	225	225	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EURODOLLAR FUTURES (ED)								
ED	Spec	Tier 02 [contr 04-contr 08]	Decrease	USD	314	285	275	250
ED	Hedge/Member	Tier 02 [contr 04-contr 08]	Decrease	USD	285	285	250	250
ED	Spec	Tier 03 [contr 09-contr 12]	Decrease	USD	490	445	440	400
ED	Hedge/Member	Tier 03 [contr 09-contr 12]	Decrease	USD	445	445	400	400
ED	Spec	Tier 05 [contr 17-contr 20]	Decrease	USD	770	700	715	650
ED	Hedge/Member	Tier 05 [contr 17-contr 20]	Decrease	USD	700	700	650	650
ED	Spec	Tier 06 [contr 21-contr 24]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 06 [contr 21-contr 24]	Decrease	USD	800	800	725	725
ED	Spec	Tier 07 [contr 25-contr 28]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 07 [contr 25-contr 28]	Decrease	USD	800	800	725	725
ED	Spec	Tier 08 [contr 29-contr 32]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 08 [contr 29-contr 32]	Decrease	USD	800	800	725	725
ED	Spec	Tier 09 [contr 33-contr 36]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 09 [contr 33-contr 36]	Decrease	USD	800	800	725	725
ED	Spec	Tier 10 [contr 37-contr 40]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 10 [contr 37-contr 40]	Decrease	USD	800	800	725	725
ED	Spec	Tier 11 [contr 41-contr 44]	Decrease	USD	880	800	798	725
ED	Hedge/Member	Tier 11 [contr 41-contr 44]	Decrease	USD	800	800	725	725

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								
ALGONQUIN CITYGATES BASIS (B4)								
B4	Spec	Mnth 1	Decrease	USD	2,750	2,500	1,375	1,250
B4	Hedge/Member	Mnth 1	Decrease	USD	2,500	2,500	1,250	1,250
B4	Spec	Mnth 2	Decrease	USD	2,200	2,000	1,100	1,000
B4	Hedge/Member	Mnth 2	Decrease	USD	2,000	2,000	1,000	1,000
B4	Spec	Summer 2014	Decrease	USD	1,210	1,100	605	550
B4	Hedge/Member	Summer 2014	Decrease	USD	1,100	1,100	550	550
ANR LOUISIANA BASIS FUT (ND)								
ND	Spec	Mth 1	Decrease	USD	165	150	110	100
ND	Hedge/Member	Mth 1	Decrease	USD	150	150	100	100
ND	Spec	Mths 2 - 5	Decrease	USD	149	135	99	90
ND	Hedge/Member	Mths 2 - 5	Decrease	USD	135	135	90	90
ND	Spec	Mths 6+	Decrease	USD	143	130	94	85
ND	Hedge/Member	Mths 6+	Decrease	USD	130	130	85	85
ANR OKLAHOMA (NE)								
NE	Spec	Mnth 1	Decrease	USD	363	330	330	300
NE	Hedge/Member	Mnth 1	Decrease	USD	330	330	300	300
NE	Spec	Mnth 2	Decrease	USD	165	150	149	135
NE	Hedge/Member	Mnth 2	Decrease	USD	150	150	135	135
NE	Spec	Mnths 8-14	Decrease	USD	165	150	132	120
NE	Hedge/Member	Mnths 8-14	Decrease	USD	150	150	120	120
NE	Spec	Mnths 15+	Decrease	USD	209	190	176	160
NE	Hedge/Member	Mnths 15+	Decrease	USD	190	190	160	160
CIG BASIS (CI)								
CI	Spec	Mnth 1	Decrease	USD	330	300	264	240
CI	Hedge/Member	Mnth 1	Decrease	USD	300	300	240	240
CI	Spec	Mnths 2-6	Decrease	USD	165	150	132	120
CI	Hedge/Member	Mnths 2-6	Decrease	USD	150	150	120	120
CI	Spec	Mnths 7-12	Decrease	USD	138	125	127	115
CI	Hedge/Member	Mnths 7-12	Decrease	USD	125	125	115	115
COLUMB GULF MAINLINE NG BASIS (5Z)								
5Z	Spec	Mnths 2-5	Increase	USD	33	30	44	40
5Z	Hedge/Member	Mnths 2-5	Increase	USD	30	30	40	40
5Z	Spec	Mnths 3+	Increase	USD	28	25	39	35
5Z	Hedge/Member	Mnths 3+	Increase	USD	25	25	35	35

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COLUMBIA GULF ONSHORE BASIS FUT (GL)

GL	Spec	Mnth 1	Decrease	USD	149	135	116	105
GL	Hedge/Member	Mnth 1	Decrease	USD	135	135	105	105
GL	Spec	Mnth 2	Decrease	USD	121	110	94	85
GL	Hedge/Member	Mnth 2	Decrease	USD	110	110	85	85
GL	Spec	Mnths 3-7	Decrease	USD	99	90	77	70
GL	Hedge/Member	Mnths 3-7	Decrease	USD	90	90	70	70
GL	Spec	Mnths 8-19	Decrease	USD	110	100	88	80
GL	Hedge/Member	Mnths 8-19	Decrease	USD	100	100	80	80
GL	Spec	Mnths 19+	Decrease	USD	127	115	105	95
GL	Hedge/Member	Mnths 19+	Decrease	USD	115	115	95	95

DOMINION BASIS FUT (PLATTS IFERC) (PG)

PG	Spec	Mnths 21+	Decrease	USD	303	275	242	220
PG	Hedge/Member	Mnths 21+	Decrease	USD	275	275	220	220

E-MINI NATURAL GAS FUTURES (QG)

QG	Spec	Mth 1	Increase	USD	701	638	770	700
QG	Hedge/Member	Mth 1	Increase	USD	638	638	700	700
QG	Spec	Mth 2	Increase	USD	646	588	715	650
QG	Hedge/Member	Mth 2	Increase	USD	588	588	650	650
QG	Spec	Summer 2014	Increase	USD	619	563	688	625
QG	Hedge/Member	Summer 2014	Increase	USD	563	563	625	625
QG	Spec	Winter 2014/2015	Increase	USD	557	506	626	569
QG	Hedge/Member	Winter 2014/2015	Increase	USD	506	506	569	569

HENRY HUB FUT (NN)

NN	Spec	Mth 1	Increase	USD	701	638	770	700
NN	Hedge/Member	Mth 1	Increase	USD	638	638	700	700
NN	Spec	Mth 2	Increase	USD	646	588	715	650
NN	Hedge/Member	Mth 2	Increase	USD	588	588	650	650
NN	Spec	Summer 2014	Increase	USD	619	563	688	625
NN	Hedge/Member	Summer 2014	Increase	USD	563	563	625	625
NN	Spec	Winter 2014/2015	Increase	USD	557	506	626	569
NN	Hedge/Member	Winter 2014/2015	Increase	USD	506	506	569	569

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

HENRY HUB FUT TRADE AT SETTLEMENT (NNT)

NNT	Spec	Mth 1	Increase	USD	701	638	770	700
NNT	Hedge/Member	Mth 1	Increase	USD	638	638	700	700
NNT	Spec	Mth 2	Increase	USD	646	588	715	650
NNT	Hedge/Member	Mth 2	Increase	USD	588	588	650	650
NNT	Spec	Summer 2014	Increase	USD	619	563	688	625
NNT	Hedge/Member	Summer 2014	Increase	USD	563	563	625	625
NNT	Spec	Winter 2014/2015	Increase	USD	557	506	626	569
NNT	Hedge/Member	Winter 2014/2015	Increase	USD	506	506	569	569

HENRY HUB NAT GAS LAST DAY DELV (MNG)

MNG	Spec	Mth 1	Increase	USD	701	638	770	700
MNG	Hedge/Member	Mth 1	Increase	USD	638	638	700	700
MNG	Spec	Mth 2	Increase	USD	646	588	715	650
MNG	Hedge/Member	Mth 2	Increase	USD	588	588	650	650
MNG	Spec	Summer 2014	Increase	USD	619	563	688	625
MNG	Hedge/Member	Summer 2014	Increase	USD	563	563	625	625
MNG	Spec	Winter 2014/2015	Increase	USD	557	506	626	569
MNG	Hedge/Member	Winter 2014/2015	Increase	USD	506	506	569	569

HENRY HUB PENULTIMATE (NP)

NP	Spec	Mth 1	Increase	USD	701	638	770	700
NP	Hedge/Member	Mth 1	Increase	USD	638	638	700	700
NP	Spec	Mth 2	Increase	USD	646	588	715	650
NP	Hedge/Member	Mth 2	Increase	USD	588	588	650	650
NP	Spec	Summer 2014	Increase	USD	619	563	688	625
NP	Hedge/Member	Summer 2014	Increase	USD	563	563	625	625
NP	Spec	Winter 2014/2015	Increase	USD	557	506	626	569
NP	Hedge/Member	Winter 2014/2015	Increase	USD	506	506	569	569

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

HH TAS NYMEX NATURAL GAS FUTURES (HHT)

HHT	Spec	Mth 1	Increase	USD	2,805	2,550	3,080	2,800
HHT	Hedge/Member	Mth 1	Increase	USD	2,550	2,550	2,800	2,800
HHT	Spec	Mth 2	Increase	USD	2,585	2,350	2,860	2,600
HHT	Hedge/Member	Mth 2	Increase	USD	2,350	2,350	2,600	2,600
HHT	Spec	Summer 2014	Increase	USD	2,475	2,250	2,750	2,500
HHT	Hedge/Member	Summer 2014	Increase	USD	2,250	2,250	2,500	2,500
HHT	Spec	Winter 2014/2015	Increase	USD	2,228	2,025	2,503	2,275
HHT	Hedge/Member	Winter 2014/2015	Increase	USD	2,025	2,025	2,275	2,275

HOUSTON SHIP CHANNEL BASIS FUT (NH)

NH	Spec	Mnth 1	Increase	USD	110	100	132	120
NH	Hedge/Member	Mnth 1	Increase	USD	100	100	120	120
NH	Spec	Mnth 2	Increase	USD	50	45	110	100
NH	Hedge/Member	Mnth 2	Increase	USD	45	45	100	100
NH	Spec	Mnths 3-6	Increase	USD	55	50	83	75
NH	Hedge/Member	Mnths 3-6	Increase	USD	50	50	75	75
NH	Spec	Mnths 7-12	Increase	USD	44	40	77	70
NH	Hedge/Member	Mnths 7-12	Increase	USD	40	40	70	70
NH	Spec	Mnths 13+	Increase	USD	55	50	66	60
NH	Hedge/Member	Mnths 13+	Increase	USD	50	50	60	60

MICHIGAN BASIS (NF)

NF	Spec	Mnth 1	Decrease	USD	550	500	385	350
NF	Hedge/Member	Mnth 1	Decrease	USD	500	500	350	350
NF	Spec	Mnth 2	Decrease	USD	330	300	231	210
NF	Hedge/Member	Mnth 2	Decrease	USD	300	300	210	210
NF	Spec	Mnths 3-4	Increase	USD	110	100	165	150
NF	Hedge/Member	Mnths 3-4	Increase	USD	100	100	150	150
NF	Spec	Mnths 5-12	Increase	USD	88	80	165	150
NF	Hedge/Member	Mnths 5-12	Increase	USD	80	80	150	150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NATURAL GAS HENRY HUB FUTURE (NG)								
NG	Spec	Mth 1	Increase	USD	2,805	2,550	3,080	2,800
NG	Hedge/Member	Mth 1	Increase	USD	2,550	2,550	2,800	2,800
NG	Spec	Mth 2	Increase	USD	2,585	2,350	2,860	2,600
NG	Hedge/Member	Mth 2	Increase	USD	2,350	2,350	2,600	2,600
NG	Spec	Summer 2014	Increase	USD	2,475	2,250	2,750	2,500
NG	Hedge/Member	Summer 2014	Increase	USD	2,250	2,250	2,500	2,500
NG	Spec	Winter 2014/2015	Increase	USD	2,228	2,025	2,503	2,275
NG	Hedge/Member	Winter 2014/2015	Increase	USD	2,025	2,025	2,275	2,275
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnths 2	Decrease	USD	72	65	55	50
PD	Hedge/Member	Mnths 2	Decrease	USD	65	65	50	50
PD	Spec	Mnths 3-6	Decrease	USD	55	50	50	45
PD	Hedge/Member	Mnths 3-6	Decrease	USD	50	50	45	45
PD	Spec	Mnths 13+	Decrease	USD	110	100	66	60
PD	Hedge/Member	Mnths 13+	Decrease	USD	100	100	60	60
NATURAL GAS TRADE AT SETTLEMENT (NGT)								
NGT	Spec	Mth 1	Increase	USD	2,805	2,550	3,080	2,800
NGT	Hedge/Member	Mth 1	Increase	USD	2,550	2,550	2,800	2,800
NGT	Spec	Mth 2	Increase	USD	2,585	2,350	2,860	2,600
NGT	Hedge/Member	Mth 2	Increase	USD	2,350	2,350	2,600	2,600
NGT	Spec	Summer 2014	Increase	USD	2,475	2,250	2,750	2,500
NGT	Hedge/Member	Summer 2014	Increase	USD	2,250	2,250	2,500	2,500
NGT	Spec	Winter 2014/2015	Increase	USD	2,228	2,025	2,503	2,275
NGT	Hedge/Member	Winter 2014/2015	Increase	USD	2,025	2,025	2,275	2,275
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 1	Decrease	USD	330	300	264	240
NL	Hedge/Member	Mnth 1	Decrease	USD	300	300	240	240
NL	Spec	Mnth 2	Decrease	USD	220	200	187	170
NL	Hedge/Member	Mnth 2	Decrease	USD	200	200	170	170
NL	Spec	Mnths 3-6	Decrease	USD	165	150	132	120
NL	Hedge/Member	Mnths 3-6	Decrease	USD	150	150	120	120
NL	Spec	Mnths 7-12	Decrease	USD	138	125	110	100
NL	Hedge/Member	Mnths 7-12	Decrease	USD	125	125	100	100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Decrease	USD	330	300	264	240
NR	Hedge/Member	Mnth 1	Decrease	USD	300	300	240	240
NR	Spec	Mnths 2-6	Decrease	USD	154	140	138	125
NR	Hedge/Member	Mnths 2-6	Decrease	USD	140	140	125	125
NR	Spec	Mnths 7-9	Decrease	USD	143	130	121	110
NR	Hedge/Member	Mnths 7-9	Decrease	USD	130	130	110	110
NR	Spec	Mnths 10-16	Decrease	USD	132	120	110	100
NR	Hedge/Member	Mnths 10-16	Decrease	USD	120	120	100	100
NYMEX NATURAL GAS (H.HUB LTD) FUT (HH)								
HH	Spec	Mth 1	Increase	USD	2,805	2,550	3,080	2,800
HH	Hedge/Member	Mth 1	Increase	USD	2,550	2,550	2,800	2,800
HH	Spec	Mth 2	Increase	USD	2,585	2,350	2,860	2,600
HH	Hedge/Member	Mth 2	Increase	USD	2,350	2,350	2,600	2,600
HH	Spec	Summer 2014	Increase	USD	2,475	2,250	2,750	2,500
HH	Hedge/Member	Summer 2014	Increase	USD	2,250	2,250	2,500	2,500
HH	Spec	Winter 2014/2015	Increase	USD	2,228	2,025	2,503	2,275
HH	Hedge/Member	Winter 2014/2015	Increase	USD	2,025	2,025	2,275	2,275
NYMEX NATURAL GAS FUTURES (HP)								
HP	Spec	Mth 1	Increase	USD	2,805	2,550	3,080	2,800
HP	Hedge/Member	Mth 1	Increase	USD	2,550	2,550	2,800	2,800
HP	Spec	Mth 2	Increase	USD	2,585	2,350	2,860	2,600
HP	Hedge/Member	Mth 2	Increase	USD	2,350	2,350	2,600	2,600
HP	Spec	Summer 2014	Increase	USD	2,475	2,250	2,750	2,500
HP	Hedge/Member	Summer 2014	Increase	USD	2,250	2,250	2,500	2,500
HP	Spec	Winter 2014/2015	Increase	USD	2,228	2,025	2,503	2,275
HP	Hedge/Member	Winter 2014/2015	Increase	USD	2,025	2,025	2,275	2,275
ONEOK OKLAHOMA NG BASIS (8X)								
8X	Spec	Mnth 1	Decrease	USD	264	240	220	200
8X	Hedge/Member	Mnth 1	Decrease	USD	240	240	200	200
8X	Spec	Mnth 2	Decrease	USD	176	160	154	140
8X	Hedge/Member	Mnth 2	Decrease	USD	160	160	140	140
8X	Spec	Mnths 3-7	Decrease	USD	176	160	149	135
8X	Hedge/Member	Mnths 3-7	Decrease	USD	160	160	135	135
8X	Spec	Mnths 8-20	Decrease	USD	176	160	149	135
8X	Hedge/Member	Mnths 8-20	Decrease	USD	160	160	135	135

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PANHANDLE BASIS FUT (PH)								
PH	Spec	Mnth 2	Decrease	USD	143	130	121	110
PH	Hedge/Member	Mnth 2	Decrease	USD	130	130	110	110
PH	Spec	Summer 2014	Decrease	USD	132	120	110	100
PH	Hedge/Member	Summer 2014	Decrease	USD	120	120	100	100
PH	Spec	Winter 2014/2015	Decrease	USD	165	150	132	120
PH	Hedge/Member	Winter 2014/2015	Decrease	USD	150	150	120	120
PH	Spec	Apr 2015+	Decrease	USD	198	180	176	160
PH	Hedge/Member	Apr 2015+	Decrease	USD	180	180	160	160
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 1	Increase	USD	297	270	385	350
PM	Hedge/Member	Mths 1	Increase	USD	270	270	350	350
PM	Spec	Mths 2	Decrease	USD	198	180	160	145
PM	Hedge/Member	Mths 2	Decrease	USD	180	180	145	145
PM	Spec	Mths 7-12	Decrease	USD	154	140	127	115
PM	Hedge/Member	Mths 7-12	Decrease	USD	140	140	115	115
PM	Spec	Mths 13+	Decrease	USD	154	140	127	115
PM	Hedge/Member	Mths 13+	Decrease	USD	140	140	115	115
PGE&E CITYGATE (PC)								
PC	Spec	Mnth 1	Decrease	USD	440	400	330	300
PC	Hedge/Member	Mnth 1	Decrease	USD	400	400	300	300
PC	Spec	Mnth 2	Decrease	USD	330	300	275	250
PC	Hedge/Member	Mnth 2	Decrease	USD	300	300	250	250
PC	Spec	Mnth 3+	Decrease	USD	220	200	165	150
PC	Hedge/Member	Mnth 3+	Decrease	USD	200	200	150	150
SAN JUAN BASIS FUT (NJ)								
NJ	Spec	Mth 1	Increase	USD	330	300	440	400
NJ	Hedge/Member	Mth 1	Increase	USD	300	300	400	400
NJ	Spec	Mth 2	Decrease	USD	165	150	132	120
NJ	Hedge/Member	Mth 2	Decrease	USD	150	150	120	120
NJ	Spec	Mths 3-6	Decrease	USD	132	120	110	100
NJ	Hedge/Member	Mths 3-6	Decrease	USD	120	120	100	100
SOCAL BASIS FUT (NS)								
NS	Spec	Mnth 1	Increase	USD	297	270	330	300
NS	Hedge/Member	Mnth 1	Increase	USD	270	270	300	300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SONAT BASIS FUT (SZ)								
SZ	Spec	Mnth 1	Decrease	USD	55	50	44	40
SZ	Hedge/Member	Mnth 1	Decrease	USD	50	50	40	40
SZ	Spec	Mnth 2	Decrease	USD	44	40	33	30
SZ	Hedge/Member	Mnth 2	Decrease	USD	40	40	30	30
SZ	Spec	Mnths 3+	Decrease	USD	33	30	28	25
SZ	Hedge/Member	Mnths 3+	Decrease	USD	30	30	25	25
SUMAS BASIS FUT (NK)								
NK	Spec	Mnth 1	Decrease	USD	440	400	330	300
NK	Hedge/Member	Mnth 1	Decrease	USD	400	400	300	300
NK	Spec	Mnths 2-5	Decrease	USD	275	250	220	200
NK	Hedge/Member	Mnths 2-5	Decrease	USD	250	250	200	200
NK	Spec	Mnths 6+	Decrease	USD	308	280	215	195
NK	Hedge/Member	Mnths 6+	Decrease	USD	280	280	195	195
TCO BASIS FUT (TC)								
TC	Spec	Mnth 1	Decrease	USD	165	150	149	135
TC	Hedge/Member	Mnth 1	Decrease	USD	150	150	135	135
TC	Spec	Mnths 2+	Decrease	USD	198	180	176	160
TC	Hedge/Member	Mnths 2+	Decrease	USD	180	180	160	160
TETCO STX BASIS (TX)								
TX	Spec	Mth 1	Increase	USD	110	100	154	140
TX	Hedge/Member	Mth 1	Increase	USD	100	100	140	140
TX	Spec	Mths 3 - 6	Increase	USD	50	45	55	50
TX	Hedge/Member	Mths 3 - 6	Increase	USD	45	45	50	50
TEXAS EASTERN ZONE M-3 BASIS FUT (NX)								
NX	Spec	Mth 1	Decrease	USD	770	700	550	500
NX	Hedge/Member	Mth 1	Decrease	USD	700	700	500	500
NX	Spec	Summer 2014	Decrease	USD	605	550	550	500
NX	Hedge/Member	Summer 2014	Decrease	USD	550	550	500	500
NX	Spec	Winter 2014/2015	Decrease	USD	880	800	550	500
NX	Hedge/Member	Winter 2014/2015	Decrease	USD	800	800	500	500
TEXAS GAS ZONE1 NG BASIS (9F)								
9F	Spec	Mnths 2+	Decrease	USD	275	250	110	100
9F	Hedge/Member	Mnths 2+	Decrease	USD	250	250	100	100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

TRANSCO ZONE 6 BASIS FUT (NZ)

NZ	Spec	Mnth 1	Decrease	USD	1,540	1,400	770	700
NZ	Hedge/Member	Mnth 1	Decrease	USD	1,400	1,400	700	700
NZ	Spec	Mnth 2	Decrease	USD	704	640	550	500
NZ	Hedge/Member	Mnth 2	Decrease	USD	640	640	500	500
NZ	Spec	Summer 2014	Decrease	USD	693	630	539	490
NZ	Hedge/Member	Summer 2014	Decrease	USD	630	630	490	490
NZ	Spec	Winter 2014/2015	Increase	USD	1,540	1,400	1,650	1,500
NZ	Hedge/Member	Winter 2014/2015	Increase	USD	1,400	1,400	1,500	1,500

TRANSCO ZONE 6 NON NY BASIS FUT (TZ6)

TZ6	Spec	Mnth 1	Decrease	USD	1,210	1,100	990	900
TZ6	Hedge/Member	Mnth 1	Decrease	USD	1,100	1,100	900	900
TZ6	Spec	Mnth 2	Decrease	USD	990	900	935	850
TZ6	Hedge/Member	Mnth 2	Decrease	USD	900	900	850	850
TZ6	Spec	Summer 2013	Decrease	USD	792	720	715	650
TZ6	Hedge/Member	Summer 2013	Decrease	USD	720	720	650	650

VENTURA BASIS FUT (PF)

PF	Spec	Mnth 1	Decrease	USD	550	500	275	250
PF	Hedge/Member	Mnth 1	Decrease	USD	500	500	250	250
PF	Spec	Mnth 2-5	Decrease	USD	275	250	165	150
PF	Hedge/Member	Mnth 2-5	Decrease	USD	250	250	150	150
PF	Spec	Mnth 6+	Decrease	USD	165	150	160	145
PF	Hedge/Member	Mnth 6+	Decrease	USD	150	150	145	145

WAHA TEXAS BASIS FUT (NW)

NW	Spec	Mnth 1	Increase	USD	330	300	429	390
NW	Hedge/Member	Mnth 1	Increase	USD	300	300	390	390

PETROLEUM CRACKS AND SPREADS - Outright Rates

CHI ULSD (PLATTS) VS. NY HRBR ULSD (5C)

5C	Spec	Mnth 2-3	Increase	USD	2,200	2,000	2,640	2,400
5C	Hedge/Member	Mnth 2-3	Increase	USD	2,000	2,000	2,400	2,400

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

E-MINI NY HRBR ULSD FUT (QH)

QH	Spec	Mnth 1	Increase	USD	1,733	1,575	1,898	1,725
QH	Hedge/Member	Mnth 1	Increase	USD	1,575	1,575	1,725	1,725
QH	Spec	Mnth 2	Increase	USD	1,733	1,575	1,898	1,725
QH	Hedge/Member	Mnth 2	Increase	USD	1,575	1,575	1,725	1,725
QH	Spec	Mnths 3-7	Increase	USD	1,595	1,450	1,760	1,600
QH	Hedge/Member	Mnths 3-7	Increase	USD	1,450	1,450	1,600	1,600
QH	Spec	Mnths 8-12	Increase	USD	1,430	1,300	1,513	1,375
QH	Hedge/Member	Mnths 8-12	Increase	USD	1,300	1,300	1,375	1,375
QH	Spec	Mnths 13+	Increase	USD	1,320	1,200	1,403	1,275
QH	Hedge/Member	Mnths 13+	Increase	USD	1,200	1,200	1,275	1,275

HEATING OIL TAM PLATTS PRIC (HOS)

HOS	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HOS	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HOS	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HOS	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HOS	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HOS	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HOS	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HOS	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HOS	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HOS	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

HEATING OIL TAM PLATTS PRICE (HO4)

HO4	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HO4	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HO4	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HO4	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HO4	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HO4	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HO4	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HO4	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HO4	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HO4	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NY HARBOR ULSD FUT (HO)								
HO	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HO	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HO	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HO	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HO	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HO	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HO	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HO	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HO	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HO	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550
NY HRBR ULSD BULL FUT (BH)								
BH	Spec	Mnth 1	Increase	USD	3,465	3,150	3,795	3,450
BH	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,450	3,450
BH	Spec	Mnth 2	Increase	USD	3,465	3,150	3,795	3,450
BH	Hedge/Member	Mnth 2	Increase	USD	3,150	3,150	3,450	3,450
BH	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
BH	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
BH	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
BH	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
BH	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
BH	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550
NY HRBR ULSD FIN FUT (MP)								
MP	Spec	Mnth 1	Increase	USD	3,465	3,150	3,795	3,450
MP	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,450	3,450
MP	Spec	Mnth 2	Increase	USD	3,465	3,150	3,795	3,450
MP	Hedge/Member	Mnth 2	Increase	USD	3,150	3,150	3,450	3,450
MP	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
MP	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
MP	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
MP	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
MP	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
MP	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NY HRBR ULSD LNDN TRD MRK (HOL)

HOL	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HOL	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HOL	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HOL	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HOL	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HOL	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HOL	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HOL	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HOL	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HOL	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

NY HRBR ULSD LST DAY FIN FUT (23)

23	Spec	Mnth 1	Increase	USD	3,465	3,150	3,795	3,450
23	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,450	3,450
23	Spec	Mnth 2	Increase	USD	3,465	3,150	3,795	3,450
23	Hedge/Member	Mnth 2	Increase	USD	3,150	3,150	3,450	3,450
23	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
23	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
23	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
23	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
23	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
23	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

NY HRBR ULSD PLATTS 3:15 MRK (HO3)

HO3	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HO3	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HO3	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HO3	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HO3	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HO3	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HO3	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HO3	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HO3	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HO3	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NY HRBR ULSD PLATTS 3:15 TRD MRK (HOP)								
HOP	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HOP	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HOP	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HOP	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HOP	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HOP	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HOP	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HOP	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HOP	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HOP	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550
NY HRBR ULSD TAS (HOT)								
HOT	Spec	Mth 1	Increase	USD	3,465	3,150	3,795	3,450
HOT	Hedge/Member	Mth 1	Increase	USD	3,150	3,150	3,450	3,450
HOT	Spec	Mth 2	Increase	USD	3,465	3,150	3,795	3,450
HOT	Hedge/Member	Mth 2	Increase	USD	3,150	3,150	3,450	3,450
HOT	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
HOT	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
HOT	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
HOT	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
HOT	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
HOT	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550
SYNTHETIHEATING OIL LAST DAY FINANC (S23)								
S23	Spec	Mnth 1	Increase	USD	3,465	3,150	3,795	3,450
S23	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,450	3,450
S23	Spec	Mnth 2	Increase	USD	3,465	3,150	3,795	3,450
S23	Hedge/Member	Mnth 2	Increase	USD	3,150	3,150	3,450	3,450
S23	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
S23	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
S23	Spec	Mnths 8-12	Increase	USD	2,860	2,600	3,025	2,750
S23	Hedge/Member	Mnths 8-12	Increase	USD	2,600	2,600	2,750	2,750
S23	Spec	Mnths 13+	Increase	USD	2,640	2,400	2,805	2,550
S23	Hedge/Member	Mnths 13+	Increase	USD	2,400	2,400	2,550	2,550
WEATHER - Outright Rates								
KANSAS CITY MONTHLY FUTURES (KX)								
KX	Spec		Increase	USD	9%	8%	11%	10%
KX	Hedge/Member		Increase	USD	8%	8%	10%	10%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL - Intra Spreads

DME Oman Crude Oil Swap Futures - Tier 2 vs Tier 2 (DME OMAN CRUDE FUT)

DOO	Spec		Decrease	USD	880	800	550	500
DOO	Hedge/Member		Decrease	USD	800	800	500	500

Dubai Crude Oil Calendar Swap - All Months (DUBAI CRUDE OIL CALENDAR FUT)

DC	Spec		Decrease	USD	1,980	1,800	1,650	1,500
DC	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500

Dubai Crude Oil Calendar Swap - All Months (MINI DUBAI CRUDE OIL (PLATTS) FUT)

DBL	Spec		Decrease	USD	198	180	165	150
DBL	Hedge/Member		Decrease	USD	180	180	150	150

Oman Crude Oil - Tier 1 vs Tier 2 (DME OMAN CRUDE OIL)

OQ	Spec		Decrease	USD	1,980	1,800	1,650	1,500
OQ	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500

Oman Crude Oil - Tier 1 vs Tier 2 (OMAN CRUDE FINANCIAL)

ZG	Spec		Decrease	USD	1,980	1,800	1,650	1,500
ZG	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500

Oman Crude Oil - Tier 2 vs Tier 2 (DME OMAN CRUDE OIL)

OQ	Spec		Decrease	USD	715	650	550	500
OQ	Hedge/Member		Decrease	USD	650	650	500	500

Oman Crude Oil - Tier 2 vs Tier 2 (OMAN CRUDE FINANCIAL)

ZG	Spec		Decrease	USD	715	650	550	500
ZG	Hedge/Member		Decrease	USD	650	650	500	500

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								
Dated-to-Frontline Brent Swap - All Months (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Spec		Increase	USD	165	150	275	250
FY	Hedge/Member		Increase	USD	150	150	250	250
Dubai Brent Swap - Mnth 1 vs Mnths 2-3 (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnth 1 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnth 1 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 2-3 vs Mnths 2-3 (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 2-3 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 2-3 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 4-8 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 4-8 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Dubai Brent Swap - Mnths 9+ vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		Increase	USD	248	225	440	400
DB	Hedge/Member		Increase	USD	225	225	400	400
Mars (Argus) vs. WTI Spread Calendar Swap - All Months (MARS (ARGUS) V WTI FUT)								
YX	Spec		Increase	USD	1,760	1,600	2,090	1,900
YX	Hedge/Member		Increase	USD	1,600	1,600	1,900	1,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

WTS (Argus) vs. WTI Spread Calendar Swap - All Months (WTI MIDLAND(ARGUS) VS WTI FINCL FUT)

FF	Spec		Increase	USD	1,100	1,000	1,650	1,500
FF	Hedge/Member		Increase	USD	1,000	1,000	1,500	1,500

WTS (Argus) vs. WTI Spread Trade Month Swap - All Months (WTS (ARGUS) V WTI TRD MTH FUT)

FH	Spec		Increase	USD	825	750	1,100	1,000
FH	Hedge/Member		Increase	USD	750	750	1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME).						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EQUITY INDEX - Inter-commodity Spread Rates						
E-MINI SP500 CONS DISCRET SECTOR IX (XAY) vs NASDAQ 100 FUTURES (ND)						
Spread Credit Rate	Decrease	+6:-1	75%	75%	70%	70%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
Nasdaq-100 Index (ND) vs. Dow Jones (CBOT) (11)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	60%	60%
Nasdaq-100 Index (ND) vs. S&P 500 Growth Index (SG)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	70%	70%
Nasdaq-100 Index (ND) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Decrease	+2:-1	70%	70%	65%	65%
Nasdaq-100 Index (ND) vs. S&P 500 Value Index (SU)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST ULSD (PLATTS) UP-DOWN SPREAD SWAP FUTURES (NY-LT - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			20%	20%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+2:-15	50%	50%	55%	55%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	65%	65%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, BH, MP)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	75%	75%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%
GULF COAST NO. 6 FUEL OIL (PLATTS) CRACK SPREAD SWAP FUTURES (NY-MG - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	97%	97%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
GULF COAST NO. 6 FUEL OIL 3.0% SULFUR (PLATTS) SWAP (NYM-MF - CME) vs HEATING OIL (NYM-HO, MP, BH)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST NO.6 FUEL OIL 3.0% (PLATTS) VS. BRENT CRACK SPREAD SWAP FUTURES (NY-GCI - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1:+1	95%	95%	98%	98%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	80%	80%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+15:-2	60%	60%	65%	65%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs HEATING OIL FINANCIAL FUTURES (NY-BH - CME)						
Spread Credit Rate	New	+1:-1			85%	85%

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 HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	35%	35%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs RBOB GASOLINE FUTURES (NY-27 - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs RBOB GASOLINE FUTURES (NY-RL - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs RBOB GASOLINE FUTURES (NY-RT - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST ULSD (PLATTS) UP-DOWN SPREAD SWAP FUTURES (NY-LT - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			20%	20%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs SINGAPORE FUEL 180CST CALSWAP (NY-UA)						
Spread Credit Rate	Increase	+15:-2	60%	60%	65%	65%
Spread Credit Rate	Increase	+15:-2	60%	60%	65%	65%
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	75%	75%
RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
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	Increase	+1:-1	50%	50%	55%	55%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME).						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
CRUDE OIL - Short Option Minimum (SOM) Rate						
ARGUS SOUR CRUDE INDEX ("ASCI") CALENDAR MONTH SWAP FUTURES (37) - SOM						
Clearing Member Rate		Decrease	66.000	60.000	55.000	50.000
ARGUS SOUR CRUDE INDEX ("ASCI") TRADE MONTH SWAP FUTURES (29) - SOM						
Clearing Member Rate		Decrease	66.000	60.000	55.000	50.000
ARGUS WTI FORMULA BASIS CALENDAR MONTH SWAP FUTURES (39) - SOM						
Clearing Member Rate		Decrease	66.000	60.000	55.000	50.000
CRUDE OIL SPREADS - Short Option Minimum (SOM) Rate						
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD CALENDAR MONTH SWAP FUTURES (38) - SOM						
Clearing Member Rate		Decrease	66.000	60.000	55.000	50.000
ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD TRADE MONTH SWAP FUTURES (36) - SOM						
Clearing Member Rate		Decrease	66.000	60.000	55.000	50.000
BRENT-DUBAI (PLATTS) SWAP FUTURES (DB) - SOM						
Clearing Member Rate		Increase	11.000	10.000	16.500	15.000
DATED TO FRONTLINE BRENT BALMO SWAP FUTURES (FE) - SOM						
Clearing Member Rate		Increase	11.000	10.000	16.500	15.000
WTI CRUDE OIL 1 MONTH CSO (7A, A2) - SOM						
Clearing Member Rate		Increase	11.000	10.000	16.500	15.000
NATURAL GAS - Short Option Minimum (SOM) Rate						
SONAT BASIS SWAP (PLATTS IFERC) FUTURES (SZ) - SOM						
Clearing Member Rate		New			33.000	30.000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						

CRUDE OIL - Volatility Scan (volScan) Rate

ARGUS SOUR CRUDE INDEX ("ASCI") CALENDAR MONTH SWAP FUTURES (37) - volScan

Clearing Member Rate	Decrease	0.600	0.080
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ARGUS SOUR CRUDE INDEX ("ASCI") TRADE MONTH SWAP FUTURES (29) - volScan

Clearing Member Rate	Decrease	0.600	0.080
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ARGUS WTI FORMULA BASIS CALENDAR MONTH SWAP FUTURES (39) - volScan

Clearing Member Rate	Decrease	0.600	0.080
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CRUDE OIL SPREADS - Volatility Scan (volScan) Rate

ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES (E5) - volScan

Clearing Member Rate	Mnth 1	Increase	0.100%	25.000%
Clearing Member Rate	Mnth 2	Increase	0.050%	15.000%
Clearing Member Rate	Mnth 3+	Increase	0.050%	12.000%

ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD CALENDAR MONTH SWAP FUTURES (38) - volScan

Clearing Member Rate	Decrease	0.600	0.080
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ARGUS SOUR CRUDE INDEX ("ASCI") VS. WTI DIFF SPREAD TRADE MONTH SWAP FUTURES (36) - volScan

Clearing Member Rate	Decrease	0.600	0.080
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CANADIAN HEAVY CRUDE OIL (NET ENERGY) INDEX FUTURES (WCC, WCI) - volScan

Clearing Member Rate	Mnths 3-6	Decrease	25.000%	20.000%
Clearing Member Rate	Mnths 7+	Decrease	25.000%	15.000%

DATED TO FRONTLINE BRENT BALMO SWAP FUTURES (FE) - volScan

Clearing Member Rate	Mnth 1	Increase	0.050%	25.000%
Clearing Member Rate	Mnths 2+	Increase	0.050%	15.000%

MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (YX) - volScan

Clearing Member Rate	Mnth 1	Increase	20.000%	25.000%
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