



22-035

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, February 3, 2022

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Friday, February 4, 2022.

Current rates as of:

Thursday, February 3, 2022.

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

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

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL SPREADS - Outright Rates

DATED BRENT VS. BRENT SECOND MO FUT (59)

59	Non-HRP		Increase	USD	2,200	2,200	2,800	2,800
59	HRP		Increase	USD	2,420	2,200	3,080	2,800

INTEREST RATES - Outright Rates

12-YEAR ERIS SOFR SWAP FUTURES (YII)

YII	Non-HRP	Month 1	New	USD			2,000	2,000
YII	HRP	Month 1	New	USD			2,200	2,000
YII	Non-HRP	Month 2	New	USD			2,000	2,000
YII	HRP	Month 2	New	USD			2,200	2,000
YII	Non-HRP	Month 3	New	USD			2,000	2,000
YII	HRP	Month 3	New	USD			2,200	2,000
YII	Non-HRP	Month 4	New	USD			2,000	2,000
YII	HRP	Month 4	New	USD			2,200	2,000
YII	Non-HRP	Month 5	New	USD			2,000	2,000
YII	HRP	Month 5	New	USD			2,200	2,000
YII	Non-HRP	Month 6	New	USD			2,000	2,000
YII	HRP	Month 6	New	USD			2,200	2,000
YII	Non-HRP	Month 7	New	USD			2,000	2,000
YII	HRP	Month 7	New	USD			2,200	2,000

12-YEAR ERIS SWAP FUTURES (LII)

LII	Non-HRP	Month 1	Decrease	USD	2,000	2,000	1,700	1,700
LII	HRP	Month 1	Decrease	USD	2,200	2,000	1,870	1,700
LII	Non-HRP	Month 2	New	USD			1,700	1,700
LII	HRP	Month 2	New	USD			1,870	1,700
LII	Non-HRP	Month 3	New	USD			1,700	1,700
LII	HRP	Month 3	New	USD			1,870	1,700
LII	Non-HRP	Month 4	New	USD			1,700	1,700
LII	HRP	Month 4	New	USD			1,870	1,700
LII	Non-HRP	Month 5	New	USD			1,700	1,700
LII	HRP	Month 5	New	USD			1,870	1,700
LII	Non-HRP	Month 6	New	USD			1,700	1,700
LII	HRP	Month 6	New	USD			1,870	1,700
LII	Non-HRP	Month 7	New	USD			1,700	1,700
LII	HRP	Month 7	New	USD			1,870	1,700
LII	Non-HRP	Month 8	New	USD			1,700	1,700
LII	HRP	Month 8	New	USD			1,870	1,700
LII	Non-HRP	Month 9	New	USD			1,700	1,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LII	HRP	Month 9	New	USD			1,870	1,700
LII	Non-HRP	Month 10	New	USD			1,700	1,700
LII	HRP	Month 10	New	USD			1,870	1,700
LII	Non-HRP	Month 11	New	USD			1,700	1,700
LII	HRP	Month 11	New	USD			1,870	1,700
LII	Non-HRP	Month 12	New	USD			1,800	1,800
LII	HRP	Month 12	New	USD			1,980	1,800
LII	Non-HRP	Month 13	New	USD			1,800	1,800
LII	HRP	Month 13	New	USD			1,980	1,800
LII	Non-HRP	Month 14	New	USD			2,000	2,000
LII	HRP	Month 14	New	USD			2,200	2,000
LII	Non-HRP	Month 15	New	USD			2,000	2,000
LII	HRP	Month 15	New	USD			2,200	2,000
LII	Non-HRP	Month 16	New	USD			2,000	2,000
LII	HRP	Month 16	New	USD			2,200	2,000
LII	Non-HRP	Month 17+	New	USD			2,000	2,000
LII	HRP	Month 17+	New	USD			2,200	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
15-YEAR ERIS SWAP FUTURES (LIL)								
LIL	Non-HRP	Month 1	Decrease	USD	2,650	2,650	2,200	2,200
LIL	HRP	Month 1	Decrease	USD	2,915	2,650	2,420	2,200
LIL	Non-HRP	Month 2	New	USD			2,200	2,200
LIL	HRP	Month 2	New	USD			2,420	2,200
LIL	Non-HRP	Month 3	New	USD			2,200	2,200
LIL	HRP	Month 3	New	USD			2,420	2,200
LIL	Non-HRP	Month 4	New	USD			2,200	2,200
LIL	HRP	Month 4	New	USD			2,420	2,200
LIL	Non-HRP	Month 5	New	USD			2,300	2,300
LIL	HRP	Month 5	New	USD			2,530	2,300
LIL	Non-HRP	Month 6	New	USD			2,300	2,300
LIL	HRP	Month 6	New	USD			2,530	2,300
LIL	Non-HRP	Month 7	New	USD			2,300	2,300
LIL	HRP	Month 7	New	USD			2,530	2,300
LIL	Non-HRP	Month 8	New	USD			2,300	2,300
LIL	HRP	Month 8	New	USD			2,530	2,300
LIL	Non-HRP	Month 9	New	USD			2,500	2,500
LIL	HRP	Month 9	New	USD			2,750	2,500
LIL	Non-HRP	Month 10	New	USD			2,500	2,500
LIL	HRP	Month 10	New	USD			2,750	2,500
LIL	Non-HRP	Month 11	New	USD			2,500	2,500
LIL	HRP	Month 11	New	USD			2,750	2,500
LIL	Non-HRP	Month 12	New	USD			2,500	2,500
LIL	HRP	Month 12	New	USD			2,750	2,500
LIL	Non-HRP	Month 13	New	USD			2,500	2,500
LIL	HRP	Month 13	New	USD			2,750	2,500
LIL	Non-HRP	Month 14	New	USD			2,650	2,650
LIL	HRP	Month 14	New	USD			2,915	2,650
LIL	Non-HRP	Month 15+	New	USD			2,650	2,650
LIL	HRP	Month 15+	New	USD			2,915	2,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
20-YEAR ERIS SWAP FUTURES (LIO)								
LIO	Non-HRP	Months 1	Decrease	USD	3,300	3,300	2,800	2,800
LIO	HRP	Months 1	Decrease	USD	3,630	3,300	3,080	2,800
LIO	Non-HRP	Months 2	Decrease	USD	3,300	3,300	2,800	2,800
LIO	HRP	Months 2	Decrease	USD	3,630	3,300	3,080	2,800
LIO	Non-HRP	Month 3	New	USD			2,800	2,800
LIO	HRP	Month 3	New	USD			3,080	2,800
LIO	Non-HRP	Month 4	New	USD			2,800	2,800
LIO	HRP	Month 4	New	USD			3,080	2,800
LIO	Non-HRP	Month 5	New	USD			2,800	2,800
LIO	HRP	Month 5	New	USD			3,080	2,800
LIO	Non-HRP	Month 6	New	USD			2,900	2,900
LIO	HRP	Month 6	New	USD			3,190	2,900
LIO	Non-HRP	Month 7	New	USD			2,900	2,900
LIO	HRP	Month 7	New	USD			3,190	2,900
LIO	Non-HRP	Month 8	New	USD			2,900	2,900
LIO	HRP	Month 8	New	USD			3,190	2,900
LIO	Non-HRP	Month 9	New	USD			2,900	2,900
LIO	HRP	Month 9	New	USD			3,190	2,900
LIO	Non-HRP	Month 10	New	USD			3,000	3,000
LIO	HRP	Month 10	New	USD			3,300	3,000
LIO	Non-HRP	Month 11	New	USD			3,000	3,000
LIO	HRP	Month 11	New	USD			3,300	3,000
LIO	Non-HRP	Month 12	New	USD			3,000	3,000
LIO	HRP	Month 12	New	USD			3,300	3,000
LIO	Non-HRP	Month 13	New	USD			3,000	3,000
LIO	HRP	Month 13	New	USD			3,300	3,000
LIO	Non-HRP	Month 14	New	USD			3,000	3,000
LIO	HRP	Month 14	New	USD			3,300	3,000
LIO	Non-HRP	Month 15	New	USD			3,000	3,000
LIO	HRP	Month 15	New	USD			3,300	3,000
LIO	Non-HRP	Month 16	New	USD			3,300	3,300
LIO	HRP	Month 16	New	USD			3,630	3,300
LIO	Non-HRP	Month 17	New	USD			3,300	3,300
LIO	HRP	Month 17	New	USD			3,630	3,300
LIO	Non-HRP	Month 18	New	USD			3,300	3,300
LIO	HRP	Month 18	New	USD			3,630	3,300
LIO	Non-HRP	Month 19+	New	USD			3,300	3,300
LIO	HRP	Month 19+	New	USD			3,630	3,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

2-YEAR ERIS SOFR SWAP FUTURES (YIT)

YIT	Non-HRP	Month 1	Decrease	USD	150	150	125	125
YIT	HRP	Month 1	Decrease	USD	165	150	138	125
YIT	Non-HRP	Month 2	Decrease	USD	210	210	175	175
YIT	HRP	Month 2	Decrease	USD	231	210	193	175
YIT	Non-HRP	Month 3	Decrease	USD	230	230	200	200
YIT	HRP	Month 3	Decrease	USD	253	230	220	200
YIT	Non-HRP	Month 4	Decrease	USD	240	240	200	200
YIT	HRP	Month 4	Decrease	USD	264	240	220	200
YIT	Non-HRP	Month 5	Decrease	USD	280	280	260	260
YIT	HRP	Month 5	Decrease	USD	308	280	286	260
YIT	Non-HRP	Month 6	Increase	USD	280	280	300	300
YIT	HRP	Month 6	Increase	USD	308	280	330	300
YIT	Non-HRP	Month 7	Increase	USD	310	310	350	350
YIT	HRP	Month 7	Increase	USD	341	310	385	350

2-YEAR ERIS SWAP FUTURE (LIT)

LIT	Non-HRP	Month 3	Increase	USD	40	40	45	45
LIT	HRP	Month 3	Increase	USD	44	40	50	45
LIT	Non-HRP	Month 4	Increase	USD	70	70	80	80
LIT	HRP	Month 4	Increase	USD	77	70	88	80
LIT	Non-HRP	Month 5	Increase	USD	110	110	120	120
LIT	HRP	Month 5	Increase	USD	121	110	132	120
LIT	Non-HRP	Month 6	Increase	USD	150	150	170	170
LIT	HRP	Month 6	Increase	USD	165	150	187	170
LIT	Non-HRP	Month 7	Increase	USD	180	180	200	200
LIT	HRP	Month 7	Increase	USD	198	180	220	200
LIT	Non-HRP	Month 8	Increase	USD	240	240	260	260
LIT	HRP	Month 8	Increase	USD	264	240	286	260
LIT	Non-HRP	Month 9	Increase	USD	280	280	300	300
LIT	HRP	Month 9	Increase	USD	308	280	330	300
LIT	Non-HRP	Month 10	Increase	USD	310	310	350	350
LIT	HRP	Month 10	Increase	USD	341	310	385	350
LIT	Non-HRP	Month 11	Increase	USD	335	335	385	385
LIT	HRP	Month 11	Increase	USD	369	335	424	385

2-YEAR SOFR MAC SWAP FUTURES (T1S)

T1S	Non-HRP	Increase	USD	335	335	350	350
T1S	HRP	Increase	USD	369	335	385	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
2-YEAR USD MAC SWAP FUTURES (T1U)								
T1U	Non-HRP		Increase	USD	335	335	350	350
T1U	HRP		Increase	USD	369	335	385	350
MEXICAN FUNDING TIE (MTH CTRT) FUT (TIE)								
TIE	Non-HRP	Month 1	Increase	MXN	8,600	8,600	10,250	10,250
TIE	HRP	Month 1	Increase	MXN	9,460	8,600	11,275	10,250
TIE	Non-HRP	Month 2	Increase	MXN	8,600	8,600	10,250	10,250
TIE	HRP	Month 2	Increase	MXN	9,460	8,600	11,275	10,250
TIE	Non-HRP	Month 3	Increase	MXN	8,600	8,600	10,250	10,250
TIE	HRP	Month 3	Increase	MXN	9,460	8,600	11,275	10,250
TIE	Non-HRP	Month 4	Increase	MXN	8,000	8,000	10,250	10,250
TIE	HRP	Month 4	Increase	MXN	8,800	8,000	11,275	10,250
TIE	Non-HRP	Month 5	Increase	MXN	8,200	8,200	10,250	10,250
TIE	HRP	Month 5	Increase	MXN	9,020	8,200	11,275	10,250
TIE	Non-HRP	Month 6	Increase	MXN	8,400	8,400	10,250	10,250
TIE	HRP	Month 6	Increase	MXN	9,240	8,400	11,275	10,250
TIE	Non-HRP	Month 7	Increase	MXN	8,600	8,600	10,250	10,250
TIE	HRP	Month 7	Increase	MXN	9,460	8,600	11,275	10,250
TIE	Non-HRP	Month 8	Increase	MXN	8,800	8,800	10,250	10,250
TIE	HRP	Month 8	Increase	MXN	9,680	8,800	11,275	10,250
TIE	Non-HRP	Month 9	Increase	MXN	9,000	9,000	11,000	11,000
TIE	HRP	Month 9	Increase	MXN	9,900	9,000	12,100	11,000
TIE	Non-HRP	Month 10	Increase	MXN	9,200	9,200	11,000	11,000
TIE	HRP	Month 10	Increase	MXN	10,120	9,200	12,100	11,000
TIE	Non-HRP	Month 11	Increase	MXN	9,600	9,600	11,000	11,000
TIE	HRP	Month 11	Increase	MXN	10,560	9,600	12,100	11,000
TIE	Non-HRP	Month 12	Increase	MXN	10,000	10,000	11,000	11,000
TIE	HRP	Month 12	Increase	MXN	11,000	10,000	12,100	11,000
TIE	Non-HRP	Month 13	Increase	MXN	10,400	10,400	11,000	11,000
TIE	HRP	Month 13	Increase	MXN	11,440	10,400	12,100	11,000
TIE	Non-HRP	Month 14	Increase	MXN	10,800	10,800	11,000	11,000
TIE	HRP	Month 14	Increase	MXN	11,880	10,800	12,100	11,000
MICRO 10-YEAR YIELD FUTURES (10Y)								
10Y	Non-HRP		Increase	USD	200	200	240	240
10Y	HRP		Increase	USD	220	200	264	240
MICRO 2-YEAR YIELD FUTURES (2YY)								
2YY	Non-HRP		Increase	USD	160	160	190	190
2YY	HRP		Increase	USD	176	160	209	190

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 30-YEAR YIELD FUTURES (30Y)

30Y	Non-HRP		Increase	USD	200	200	240	240
30Y	HRP		Increase	USD	220	200	264	240

MICRO 5-YEAR YIELD FUTURES (5YY)

5YY	Non-HRP		Increase	USD	200	200	240	240
5YY	HRP		Increase	USD	220	200	264	240

MPC SONIA FUTURES (MPC)

MPC	Non-HRP	Months 1 - 2	Increase	GBP	250	250	300	300
MPC	HRP	Months 1 - 2	Increase	GBP	275	250	330	300
MPC	Non-HRP	Months 3+	Increase	GBP	280	280	335	335
MPC	HRP	Months 3+	Increase	GBP	308	280	369	335

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
THREE-MONTH BSBY FUTURE (BSB)								
BSB	Non-HRP	Month 2	Increase	USD	365	365	400	400
BSB	HRP	Month 2	Increase	USD	402	365	440	400
BSB	Non-HRP	Month3	Increase	USD	455	455	500	500
BSB	HRP	Month3	Increase	USD	501	455	550	500
BSB	Non-HRP	Month 4	Increase	USD	480	480	560	560
BSB	HRP	Month 4	Increase	USD	528	480	616	560
BSB	Non-HRP	Month 5	Increase	USD	510	510	600	600
BSB	HRP	Month 5	Increase	USD	561	510	660	600
BSB	Non-HRP	Month 6	Increase	USD	575	575	650	650
BSB	HRP	Month 6	Increase	USD	633	575	715	650
BSB	Non-HRP	Month 7	Increase	USD	650	650	700	700
BSB	HRP	Month 7	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 8	Increase	USD	650	650	700	700
BSB	HRP	Month 8	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 9	Increase	USD	650	650	700	700
BSB	HRP	Month 9	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 10	Increase	USD	650	650	700	700
BSB	HRP	Month 10	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 11	Increase	USD	650	650	700	700
BSB	HRP	Month 11	Increase	USD	715	650	770	700
BSB	Non-HRP	Month12	Increase	USD	650	650	700	700
BSB	HRP	Month12	Increase	USD	715	650	770	700
BSB	Non-HRP	Month13	Increase	USD	650	650	700	700
BSB	HRP	Month13	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 14	Increase	USD	650	650	700	700
BSB	HRP	Month 14	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 15	Increase	USD	650	650	700	700
BSB	HRP	Month 15	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 16	Increase	USD	650	650	700	700
BSB	HRP	Month 16	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 17	Increase	USD	650	650	700	700
BSB	HRP	Month 17	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 18	Increase	USD	650	650	700	700
BSB	HRP	Month 18	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 19	Increase	USD	650	650	700	700
BSB	HRP	Month 19	Increase	USD	715	650	770	700
BSB	Non-HRP	Month 20+	Increase	USD	650	650	700	700
BSB	HRP	Month 20+	Increase	USD	715	650	770	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
METALS - Outright Rates								
ALUMINUM JAPAN PREMIUM (PLATTS) FUT (MJP)								
MJP	Non-HRP	Mths 02-03	Increase	USD	1,000	1,000	1,200	1,200
MJP	HRP	Mths 02-03	Increase	USD	1,100	1,000	1,320	1,200
COBALT METAL (FASTMARKETS) FUT (COB)								
COB	Non-HRP	Mths 2-3	Increase	USD	3,000	3,000	3,600	3,600
COB	HRP	Mths 2-3	Increase	USD	3,300	3,000	3,960	3,600
COB	Non-HRP	Mths 4-6	Increase	USD	3,000	3,000	3,600	3,600
COB	HRP	Mths 4-6	Increase	USD	3,300	3,000	3,960	3,600
COB	Non-HRP	Mths 7+	Increase	USD	3,500	3,500	3,600	3,600
COB	HRP	Mths 7+	Increase	USD	3,850	3,500	3,960	3,600
LITHIUM HYDROXIDE (FASTMARKETS) FUT (LTH)								
LTH	Non-HRP	Mth 1	Increase	USD	2,800	2,800	3,360	3,360
LTH	HRP	Mth 1	Increase	USD	3,080	2,800	3,696	3,360
LTH	Non-HRP	Mths 2-3	Increase	USD	2,800	2,800	3,360	3,360
LTH	HRP	Mths 2-3	Increase	USD	3,080	2,800	3,696	3,360
LTH	Non-HRP	Mths 4-6	Increase	USD	2,800	2,800	3,360	3,360
LTH	HRP	Mths 4-6	Increase	USD	3,080	2,800	3,696	3,360
LTH	Non-HRP	Mths 7+	Increase	USD	2,800	2,800	3,360	3,360
LTH	HRP	Mths 7+	Increase	USD	3,080	2,800	3,696	3,360

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
3.5% FUEL OIL CIF MED VS 3.5% FUEL (CMF)								
CMF	Non-HRP	Mnth 1	Increase	USD	750	750	825	825
CMF	HRP	Mnth 1	Increase	USD	825	750	908	825
CMF	Non-HRP	Mnth 2	Increase	USD	650	650	750	750
CMF	HRP	Mnth 2	Increase	USD	715	650	825	750
CMF	Non-HRP	Mnths 3-11	Increase	USD	650	650	750	750
CMF	HRP	Mnths 3-11	Increase	USD	715	650	825	750
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Non-HRP	Mths 2	Increase	USD	6,000	6,000	7,000	7,000
EW	HRP	Mths 2	Increase	USD	6,600	6,000	7,700	7,000
EW	Non-HRP	Mths 3-9	Increase	USD	4,000	4,000	5,000	5,000
EW	HRP	Mths 3-9	Increase	USD	4,400	4,000	5,500	5,000
JET BARGES VS. ICE GASOIL FUT (JR)								
JR	Non-HRP	Mnth 1	Increase	USD	4,500	4,500	5,500	5,500
JR	HRP	Mnth 1	Increase	USD	4,950	4,500	6,050	5,500
MIN JET KERO BRGES FOB RDAM VS GSL (MJB)								
MJB	Non-HRP	Mnth 1	Increase	USD	450	450	550	550
MJB	HRP	Mnth 1	Increase	USD	495	450	605	550
MIN ULSD 10PPM CRGS CIF NWE VS GSL (MGN)								
MGN	Non-HRP	Mnth 1	Increase	USD	150	150	200	200
MGN	HRP	Mnth 1	Increase	USD	165	150	220	200
MGN	Non-HRP	Mnth 2	Increase	USD	140	140	170	170
MGN	HRP	Mnth 2	Increase	USD	154	140	187	170
MGN	Non-HRP	Mnths 3-4	Increase	USD	78	78	100	100
MGN	HRP	Mnths 3-4	Increase	USD	85	78	110	100
MGN	Non-HRP	Mnths 5+	Increase	USD	53	53	65	65
MGN	HRP	Mnths 5+	Increase	USD	58	53	72	65
MINI EAST-WEST FUEL OIL FUTURES (MEW)								
MEW	Non-HRP	Mths 2	Increase	USD	600	600	700	700
MEW	HRP	Mths 2	Increase	USD	660	600	770	700
MEW	Non-HRP	Mths 3-9	Increase	USD	400	400	500	500
MEW	HRP	Mths 3-9	Increase	USD	440	400	550	500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SINGAPORE FUEL OIL SPREAD FUT (SD)

SD	Non-HRP	Mnths 1	Increase	USD	3,000	3,000	3,600	3,600
SD	HRP	Mnths 1	Increase	USD	3,300	3,000	3,960	3,600
SD	Non-HRP	Mnth 2	Increase	USD	2,200	2,200	2,800	2,800
SD	HRP	Mnth 2	Increase	USD	2,420	2,200	3,080	2,800
SD	Non-HRP	Mnths 3-6	Increase	USD	1,600	1,600	2,000	2,000
SD	HRP	Mnths 3-6	Increase	USD	1,760	1,600	2,200	2,000

SINGAPORE JET KERO GASOIL FUT (RK)

RK	Non-HRP	Mnth 1	Increase	USD	700	700	800	800
RK	HRP	Mnth 1	Increase	USD	770	700	880	800

SINGAPORE JET KEROSENE VS GASOIL (RHS)

RHS	Non-HRP	Mnth 1	Increase	USD	1,000	1,000	1,150	1,150
RHS	HRP	Mnth 1	Increase	USD	1,100	1,000	1,265	1,150

ULSD 10PPM V. ICE FUT (TP)

TP	Non-HRP	Mnth 1	Increase	USD	1,500	1,500	2,000	2,000
TP	HRP	Mnth 1	Increase	USD	1,650	1,500	2,200	2,000
TP	Non-HRP	Mnth 2	Increase	USD	1,400	1,400	1,700	1,700
TP	HRP	Mnth 2	Increase	USD	1,540	1,400	1,870	1,700
TP	Non-HRP	Mnths 3-4	Increase	USD	775	775	1,000	1,000
TP	HRP	Mnths 3-4	Increase	USD	853	775	1,100	1,000
TP	Non-HRP	Mnths 5+	Increase	USD	525	525	650	650
TP	HRP	Mnths 5+	Increase	USD	578	525	715	650

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								
EIA FLAT TAX US RETAIL GASOLINE FUT (JE)								
JE	Non-HRP	Month 1	Increase	USD	6,400	6,400	7,250	7,250
JE	HRP	Month 1	Increase	USD	7,040	6,400	7,975	7,250
GASOIL 0.1% CIF MED FUT (Z4)								
Z4	Non-HRP	Mnth 2+	New	USD			26,000	26,000
Z4	HRP	Mnth 2+	New	USD			28,600	26,000
Z4	Non-HRP	Mnth 1	New	USD			30,000	30,000
Z4	HRP	Mnth 1	New	USD			33,000	30,000
USGC MARINE FUEL VS EUROPEAN FOB R (UPM)								
UPM	Non-HRP	Month 1	Increase	USD	13,000	13,000	15,000	15,000
UPM	HRP	Month 1	Increase	USD	14,300	13,000	16,500	15,000
UPM	Non-HRP	Month 2	Increase	USD	13,000	13,000	15,000	15,000
UPM	HRP	Month 2	Increase	USD	14,300	13,000	16,500	15,000
USGC MARINE FUEL 0.5% (PLATTS) VS. (HGB)								
HGB	Non-HRP		Decrease	USD	3,200	3,200	2,800	2,800
HGB	HRP		Decrease	USD	3,520	3,200	3,080	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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Intra Spreads

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
Month 1 vs Month 2 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,100	1,100	900	900
LC	HRP		Decrease	USD	1,210	1,100	990	900
Month 1 vs Month 2 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,100	1,100	900	900
LET	HRP		Decrease	USD	1,210	1,100	990	900
Month 1 vs Month 3 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 3 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 3 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,200	1,200	1,000	1,000
LC	HRP		Decrease	USD	1,320	1,200	1,100	1,000
Month 1 vs Month 3 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,200	1,200	1,000	1,000
LET	HRP		Decrease	USD	1,320	1,200	1,100	1,000
Month 1 vs Month 4 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 4 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 5 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 5 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 6 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 1 vs Month 6 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 7 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Month 7 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Months 8+ (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 1 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 2 vs Month 3 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	600	600	500	500
LC	HRP		Decrease	USD	660	600	550	500
Month 2 vs Month 3 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	600	600	500	500
LET	HRP		Decrease	USD	660	600	550	500
Month 2 vs Month 4 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	800	800	650	650
LC	HRP		Decrease	USD	880	800	715	650
Month 2 vs Month 4 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	800	800	650	650
LET	HRP		Decrease	USD	880	800	715	650
Month 2 vs Months 8+ (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
LN	HRP		Decrease	USD	1,980	1,800	1,760	1,600
Month 2 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	1,800	1,800	1,600	1,600
HET	HRP		Decrease	USD	1,980	1,800	1,760	1,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 3 vs Month 4 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	450	450	375	375
LC	HRP		Decrease	USD	495	450	413	375
Month 3 vs Month 4 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	450	450	375	375
LET	HRP		Decrease	USD	495	450	413	375
Month 3 vs Months 6+ (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	800	800	700	700
LC	HRP		Decrease	USD	880	800	770	700
Month 3 vs Months 6+ (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	800	800	700	700
LET	HRP		Decrease	USD	880	800	770	700
Month 5 vs Month 6 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	600	600	550	550
LN	HRP		Decrease	USD	660	600	605	550
Month 5 vs Month 6 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	600	600	550	550
HET	HRP		Decrease	USD	660	600	605	550
Month 6 vs Month 7 (LEAN HOG FUTURES)								
LN	Non-HRP		Decrease	USD	600	600	550	550
LN	HRP		Decrease	USD	660	600	605	550
Month 6 vs Month 7 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Decrease	USD	600	600	550	550
HET	HRP		Decrease	USD	660	600	605	550
Months 1-2 vs Months 3+ (OATS FUTURES)								
O	Non-HRP		Increase	USD	925	925	1,050	1,050
O	HRP		Increase	USD	1,018	925	1,155	1,050
Months 3+ vs Months 3+ (OATS FUTURES)								
O	Non-HRP		Increase	USD	925	925	1,050	1,050
O	HRP		Increase	USD	1,018	925	1,155	1,050

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								
1 vs 2+ (WTI (ARGUS) TRADE MONTH FUT)								
V7	Non-HRP		Increase	USD	1,300	1,300	1,800	1,800
V7	HRP		Increase	USD	1,430	1,300	1,980	1,800
LLS (Argus) Calendar Swap - All Months (LLS (ARGUS) CALENDAR FUT)								
XA	Non-HRP		Increase	USD	800	800	1,150	1,150
XA	HRP		Increase	USD	880	800	1,265	1,150
LOOP Gulf Coast Sour Crude Oil Futures - All Months (LOOP GULF COAST SOUR CRUDE OIL)								
MB	Non-HRP		Increase	USD	700	700	900	900
MB	HRP		Increase	USD	770	700	990	900
CRUDE OIL SPREADS - Intra Spreads								
Brent CFD (Platts) vs. Brent Third Month (Platts) Swap Futures - All Months (DATED BRENT VS. BRENT SECOND MO FUT)								
59	Non-HRP		Increase	USD	900	900	1,200	1,200
59	HRP		Increase	USD	990	900	1,320	1,200
DATED TO FRONTLINE BRENT BALMO SWAP FUTURES - Tier 1 vs. Tier 2 (DATED TO FRONTLINE BRENT BALMO FUT)								
FE	Non-HRP		Increase	USD	0	0	120	120
FE	HRP		Increase	USD	0	0	132	120
DME Products - Intra Spreads								
Months 2+ vs Months 2+ (SPORE JET KEROSENE VS DME OMAN)								
DKR	Non-HRP		Increase	USD	800	800	900	900
DKR	HRP		Increase	USD	880	800	990	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

ELECTRICITY - Intra Spreads

Mnth 1 vs 2 (JAPANESE POWER KANSAI PEAK-LOAD)

JPK	Non-HRP	Increase	JPY	1,200,000	1,200,000	1,350,000	1,350,000
JPK	HRP	Increase	JPY	1,320,000	1,200,000	1,485,000	1,350,000

Mnth 1 vs 3+ (JAPANESE POWER KANSAI PEAK-LOAD)

JPK	Non-HRP	Increase	JPY	800,000	800,000	950,000	950,000
JPK	HRP	Increase	JPY	880,000	800,000	1,045,000	950,000

PJM Financially Settled Daily Futures Peak - Tier 1 vs Tier 3 (PJM DAILY)

JD	Non-HRP	Increase	USD	2,300	2,300	3,000	3,000
JD	HRP	Increase	USD	2,530	2,300	3,300	3,000

PJM Financially Settled Daily Futures Peak - Tier 2 vs Tier 3 (PJM DAILY)

JD	Non-HRP	Increase	USD	2,300	2,300	3,000	3,000
JD	HRP	Increase	USD	2,530	2,300	3,300	3,000

PJM Financially Settled Daily Futures Peak - Tier 3 vs Tier 3 (PJM DAILY)

JD	Non-HRP	Increase	USD	2,300	2,300	3,000	3,000
JD	HRP	Increase	USD	2,530	2,300	3,300	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
All Months (NY BUCKEYE JET FUEL VS NY HARB ULSD)								
JET	Non-HRP		Increase	USD	1,300	1,300	1,500	1,500
JET	HRP		Increase	USD	1,430	1,300	1,650	1,500
East/West Fuel Oil Spread Swap - Tier 2 vs Tier 2 (EAST/WEST FUEL OIL SPREAD FUT)								
EW	Non-HRP		Increase	USD	4,500	4,500	5,000	5,000
EW	HRP		Increase	USD	4,950	4,500	5,500	5,000
East/West Fuel Oil Spread Swap - Tier 2 vs Tier 2 (MINI EAST-WEST FUEL OIL FUTURES)								
MEW	Non-HRP		Increase	USD	450	450	500	500
MEW	HRP		Increase	USD	495	450	550	500
Gasoil 10ppm Cargoes CIF NWE v. ICE Gasoil Swap - All Months (MIN ULSD 10PPM CRGS CIF NWE VS GSL)								
MGN	Non-HRP		Increase	USD	125	125	140	140
MGN	HRP		Increase	USD	138	125	154	140
Gasoil 10ppm Cargoes CIF NWE v. ICE Gasoil Swap - All Months (ULSD 10PPM V. ICE FUT)								
TP	Non-HRP		Increase	USD	1,250	1,250	1,400	1,400
TP	HRP		Increase	USD	1,375	1,250	1,540	1,400
Singapore Fuel Oil Spread Swap - Months 1-2 vs 1-2 (SINGAPORE FUEL OIL SPREAD FUT)								
SD	Non-HRP		Increase	USD	1,700	1,700	2,100	2,100
SD	HRP		Increase	USD	1,870	1,700	2,310	2,100
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tiers 1v1 (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	300	300	350	350
GA	HRP		Increase	USD	330	300	385	350
Singapore Jet Regrade: Jet Kero vs Gasoil Swap - Month 1 vs 2+ (SINGAPORE JET KERO GASOIL FUT)								
RK	Non-HRP		Decrease	USD	875	875	700	700
RK	HRP		Decrease	USD	963	875	770	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
REFINED PRODUCTS - Intra Spreads								
Consecutives 2+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		New	USD			50	50
S5O	HRP		New	USD			55	50
Consecutives 2+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		New	USD			500	500
S5M	HRP		New	USD			550	500
Consecutives 2+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA))								
S5F	Non-HRP		New	USD			5,000	5,000
S5F	HRP		New	USD			5,500	5,000
EIA FLAT TAX U.S. RETAIL GASOLINE SWAP FUTURES - All Months (EIA FLAT TAX US RETAIL GASOLINE FUT)								
JE	Non-HRP		Decrease	USD	3,200	3,200	2,750	2,750
JE	HRP		Decrease	USD	3,520	3,200	3,025	2,750
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	600	600	750	750
7F	HRP		Increase	USD	660	600	825	750
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	600	600	750	750
7FT	HRP		Increase	USD	660	600	825	750
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	6,000	6,000	7,500	7,500
BG	HRP		Increase	USD	6,600	6,000	8,250	7,500
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	6,000	6,000	7,500	7,500
SBG	HRP		Increase	USD	6,600	6,000	8,250	7,500
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	850	850	975	975
7F	HRP		Increase	USD	935	850	1,073	975
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	850	850	975	975
7FT	HRP		Increase	USD	935	850	1,073	975
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	8,500	8,500	9,750	9,750
BG	HRP		Increase	USD	9,350	8,500	10,725	9,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	8,500	8,500	9,750	9,750
SBG	HRP		Increase	USD	9,350	8,500	10,725	9,750
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Decrease	USD	750	750	675	675
7F	HRP		Decrease	USD	825	750	743	675
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Decrease	USD	750	750	675	675
7FT	HRP		Decrease	USD	825	750	743	675
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Decrease	USD	7,500	7,500	6,750	6,750
BG	HRP		Decrease	USD	8,250	7,500	7,425	6,750
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Decrease	USD	7,500	7,500	6,750	6,750
SBG	HRP		Decrease	USD	8,250	7,500	7,425	6,750
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	550	550	650	650
7F	HRP		Increase	USD	605	550	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	550	550	650	650
7FT	HRP		Increase	USD	605	550	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	5,500	5,500	6,500	6,500
BG	HRP		Increase	USD	6,050	5,500	7,150	6,500
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	5,500	5,500	6,500	6,500
SBG	HRP		Increase	USD	6,050	5,500	7,150	6,500
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	650	650	825	825
7F	HRP		Increase	USD	715	650	908	825
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	650	650	825	825
7FT	HRP		Increase	USD	715	650	908	825

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	6,500	6,500	8,250	8,250
BG	HRP		Increase	USD	7,150	6,500	9,075	8,250
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	6,500	6,500	8,250	8,250
SBG	HRP		Increase	USD	7,150	6,500	9,075	8,250
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Decrease	USD	800	800	625	625
7F	HRP		Decrease	USD	880	800	688	625
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Decrease	USD	800	800	625	625
7FT	HRP		Decrease	USD	880	800	688	625
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Decrease	USD	8,000	8,000	6,250	6,250
BG	HRP		Decrease	USD	8,800	8,000	6,875	6,250
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Decrease	USD	8,000	8,000	6,250	6,250
SBG	HRP		Decrease	USD	8,800	8,000	6,875	6,250
Gasoil 0.1 Cargoes CIF MED (Platts) Futures - Mth 1 vs Mths 2+ (GASOIL 0.1% CIF MED FUT)								
Z4	Non-HRP		Decrease	USD	5,000	5,000	3,400	3,400
Z4	HRP		Decrease	USD	5,500	5,000	3,740	3,400
Gasoil 0.1 Cargoes CIF MED (Platts) Futures - Mths 2+ (GASOIL 0.1% CIF MED FUT)								
Z4	Non-HRP		Increase	USD	4,600	4,600	5,500	5,500
Z4	HRP		Increase	USD	5,060	4,600	6,050	5,500
Gulf Coast ULSD (Argus) Calendar Swaps - All Months (GC ULSD ARGUS CAL FUT)								
AJ	Non-HRP		Increase	USD	750	750	1,000	1,000
AJ	HRP		Increase	USD	825	750	1,100	1,000
Gulf Coast ULSD Swap- Consecutive Month 2+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	400	400	470	470
LY	HRP		Increase	USD	440	400	517	470
Gulf Coast ULSD Swap- Consecutive Month 2+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Increase	USD	40	40	47	47
111	HRP		Increase	USD	44	40	52	47

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 2 vs Months 3+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		Increase	USD	81	81	95	95
S5O	HRP		Increase	USD	89	81	105	95
Month 2 vs Months 3+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		Increase	USD	810	810	950	950
S5M	HRP		Increase	USD	891	810	1,045	950
Month 2 vs Months 3+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA))								
S5F	Non-HRP		Increase	USD	8,100	8,100	9,500	9,500
S5F	HRP		Increase	USD	8,910	8,100	10,450	9,500
Months 3+ vs Months 3+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		Increase	USD	60	60	70	70
S5O	HRP		Increase	USD	66	60	77	70
Months 3+ vs Months 3+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		Increase	USD	600	600	700	700
S5M	HRP		Increase	USD	660	600	770	700
Months 3+ vs Months 3+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA))								
S5F	Non-HRP		Increase	USD	6,000	6,000	7,000	7,000
S5F	HRP		Increase	USD	6,600	6,000	7,700	7,000

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

NATURAL GAS - Inter-commodity Spread Rates

Super Scan: Natural Gas (NG) vs. Natural Gas Penultimate Financial (HP) vs. Natural Gas (NN) vs. Natural Gas Last Day Financial (HH)

Spread Credit Rate	Decrease	-1:-1:-1:-1	97%	97%	96%	96%
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						

INTEREST RATES - Volatility Scan (volScan) Rate

ERIS 12-YR SWAP FUTURE (LII) - volScan

Clearing Member Rate	Month 2	New	30.000%
Clearing Member Rate	Month 3	New	30.000%
Clearing Member Rate	Month 4	New	30.000%
Clearing Member Rate	Month 5	New	30.000%
Clearing Member Rate	Month 6	New	30.000%
Clearing Member Rate	Month 7	New	30.000%
Clearing Member Rate	Month 8	New	30.000%
Clearing Member Rate	Month 9	New	30.000%
Clearing Member Rate	Month 10	New	30.000%
Clearing Member Rate	Month 11	New	30.000%
Clearing Member Rate	Month 12	New	30.000%
Clearing Member Rate	Month 13	New	30.000%
Clearing Member Rate	Month 14	New	30.000%
Clearing Member Rate	Month 15	New	30.000%
Clearing Member Rate	Month 16	New	30.000%
Clearing Member Rate	Month 17+	New	30.000%

ERIS 15-YR SWAP FUTURE (LIL) - volScan

Clearing Member Rate	Month 2	New	30.000%
Clearing Member Rate	Month 3	New	30.000%
Clearing Member Rate	Month 4	New	30.000%
Clearing Member Rate	Month 5	New	30.000%
Clearing Member Rate	Month 6	New	30.000%
Clearing Member Rate	Month 7	New	30.000%
Clearing Member Rate	Month 8	New	30.000%
Clearing Member Rate	Month 9	New	30.000%
Clearing Member Rate	Month 10	New	30.000%
Clearing Member Rate	Month 11	New	30.000%
Clearing Member Rate	Month 12	New	30.000%
Clearing Member Rate	Month 13	New	30.000%
Clearing Member Rate	Month 14	New	30.000%
Clearing Member Rate	Month 15+	New	30.000%

ERIS 20-YR SWAP FUTURE (LIO) - volScan

Clearing Member Rate	Month 3	New	30.000%
Clearing Member Rate	Month 4	New	30.000%
Clearing Member Rate	Month 5	New	30.000%
Clearing Member Rate	Month 6	New	30.000%
Clearing Member Rate	Month 7	New	30.000%
Clearing Member Rate	Month 8	New	30.000%
Clearing Member Rate	Month 9	New	30.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Month 10	New				30.000%
Clearing Member Rate	Month 11	New				30.000%
Clearing Member Rate	Month 12	New				30.000%
Clearing Member Rate	Month 13	New				30.000%
Clearing Member Rate	Month 14	New				30.000%
Clearing Member Rate	Month 15	New				30.000%
Clearing Member Rate	Month 16	New				30.000%
Clearing Member Rate	Month 17	New				30.000%
Clearing Member Rate	Month 18	New				30.000%
Clearing Member Rate	Month 19+	New				30.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NATURAL GAS - Volatility Scan (volScan) Rate

HENRY HUB NATURAL GAS FUTURES (HHE, HHQ, KD, LN, LNW, MNG, NG, NGT, ON, ONW, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31) - volScan

Clearing Member Rate	Mnth3	Increase		20.000%		22.000%
Clearing Member Rate	Mnth4	Increase		17.000%		19.000%
Clearing Member Rate	Mnth5	Increase		15.000%		17.000%
Clearing Member Rate	Mnth6	Increase		12.000%		14.000%
Clearing Member Rate	Mnth7	Increase		12.000%		14.000%
Clearing Member Rate	Mnth8	Increase		12.000%		14.000%
Clearing Member Rate	Mnth9	Increase		12.000%		14.000%
Clearing Member Rate	Mnth10	Increase		12.000%		14.000%
Clearing Member Rate	Mnth11	Increase		12.000%		14.000%
Clearing Member Rate	Mnth12	Increase		12.000%		14.000%
Clearing Member Rate	Mnth13	Increase		10.000%		12.000%

HENRY HUB NATURAL GAS PENULTIMATE FINANCIAL FUTURES (E7, HH, HP, NP, QG) - volScan

Clearing Member Rate	Mnth3	Increase		20.000%		22.000%
Clearing Member Rate	Mnth4	Increase		17.000%		19.000%
Clearing Member Rate	Mnth5	Increase		15.000%		17.000%
Clearing Member Rate	Mnth6	Increase		12.000%		14.000%
Clearing Member Rate	Mnth7	Increase		12.000%		14.000%
Clearing Member Rate	Mnth8	Increase		12.000%		14.000%
Clearing Member Rate	Mnth9	Increase		12.000%		14.000%
Clearing Member Rate	Mnth10	Increase		12.000%		14.000%
Clearing Member Rate	Mnth11	Increase		12.000%		14.000%
Clearing Member Rate	Mnth12	Increase		12.000%		14.000%

NYMEX NATURAL GAS (H.HUB LTD) FUT (E7, HH, HHT, NN, NNE, NNT) - volScan

Clearing Member Rate	Mnth3	Increase		20.000%		22.000%
Clearing Member Rate	Mnth4	Increase		17.000%		19.000%
Clearing Member Rate	Mnth5	Increase		15.000%		17.000%
Clearing Member Rate	Mnth6	Increase		12.000%		14.000%
Clearing Member Rate	Mnth7	Increase		12.000%		14.000%
Clearing Member Rate	Mnth8	Increase		12.000%		14.000%
Clearing Member Rate	Mnth9	Increase		12.000%		14.000%
Clearing Member Rate	Mnth10	Increase		12.000%		14.000%
Clearing Member Rate	Mnth11	Increase		12.000%		14.000%
Clearing Member Rate	Mnth12	Increase		12.000%		14.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
GASOIL 0.1 (PLATTS) CARGOES CIF MED SWAP FUTURES (Z4) - volScan						
Clearing Member Rate	Mnth 1	New				20.000%
Clearing Member Rate	Mnth 2+	Increase		0.050%		20.000%