



22-045

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, February 10, 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 11, 2022.

Current rates as of:

Thursday, February 10, 2022.

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

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

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

AGRICULTURE - Outright Rates

LUMBER110 FUTURES (LB)

LB	Non-HRP	Mnths 2-3	Increase	USD	6,000	6,000	7,500	7,500
LB	HRP	Mnths 2-3	Increase	USD	6,600	6,000	8,250	7,500
LB	Non-HRP	Mnth 1	Increase	USD	6,600	6,600	8,250	8,250
LB	HRP	Mnth 1	Increase	USD	7,260	6,600	9,075	8,250
LB	Non-HRP	Months 4+	Increase	USD	5,000	5,000	6,250	6,250
LB	HRP	Months 4+	Increase	USD	5,500	5,000	6,875	6,250

CRUDE OIL SPREADS - Outright Rates

ARGUS V NYMEX WTI TRD MO FUT (ANT)

ANT	Non-HRP	Mnth 1	Increase	USD	675	675	800	800
ANT	HRP	Mnth 1	Increase	USD	743	675	880	800

DATED TO FRONTLINE BRENT CLNDR FUT (FY)

FY	Non-HRP	Mnth 1	Increase	USD	650	650	730	730
FY	HRP	Mnth 1	Increase	USD	715	650	803	730
FY	Non-HRP	Mnths 2 - 3	Increase	USD	620	620	700	700
FY	HRP	Mnths 2 - 3	Increase	USD	682	620	770	700

DME Products - Outright Rates

SPORE JET KEROSENE VS DME OMAN (DKR)

DKR	Non-HRP	Mnth 1	Increase	USD	1,750	1,750	2,150	2,150
DKR	HRP	Mnth 1	Increase	USD	1,925	1,750	2,365	2,150
DKR	Non-HRP	Mnths 2-6	Increase	USD	1,600	1,600	2,000	2,000
DKR	HRP	Mnths 2-6	Increase	USD	1,760	1,600	2,200	2,000
DKR	Non-HRP	Mnths 7+	Increase	USD	1,500	1,500	1,900	1,900
DKR	HRP	Mnths 7+	Increase	USD	1,650	1,500	2,090	1,900

ELECTRICITY - Outright Rates

NYISO ZONE G DAY-AHEAD PK CAL DAY (GN)

GN	Non-HRP		Increase	USD	4,000	4,000	5,000	5,000
GN	HRP		Increase	USD	4,400	4,000	5,500	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
INTEREST RATES - Outright Rates								
1-YEAR ERSI SOFR SWAP FUTURES (YIA)								
YIA	Non-HRP	Month 2	Increase	USD	20	20	30	30
YIA	HRP	Month 2	Increase	USD	22	20	33	30
YIA	Non-HRP	Month 3	Increase	USD	40	40	55	55
YIA	HRP	Month 3	Increase	USD	44	40	61	55
YIA	Non-HRP	Month 4	Increase	USD	70	70	100	100
YIA	HRP	Month 4	Increase	USD	77	70	110	100
YIA	Non-HRP	Month 5	Increase	USD	90	90	130	130
YIA	HRP	Month 5	Increase	USD	99	90	143	130
YIA	Non-HRP	Month 6	Increase	USD	115	115	130	130
YIA	HRP	Month 6	Increase	USD	127	115	143	130
2 YEAR TAS FUTURES (ZTT)								
ZTT	Non-HRP	Mnth 1	Increase	USD	595	595	700	700
ZTT	HRP	Mnth 1	Increase	USD	655	595	770	700
ZTT	Non-HRP	Mnths 2+	Increase	USD	690	690	790	790
ZTT	HRP	Mnths 2+	Increase	USD	759	690	869	790
2 YEAR TREASURY NOTE FUTURES (26)								
26	Non-HRP	Mnth 1	Increase	USD	595	595	700	700
26	HRP	Mnth 1	Increase	USD	655	595	770	700
26	Non-HRP	Mnths 2+	Increase	USD	690	690	790	790
26	HRP	Mnths 2+	Increase	USD	759	690	869	790
2-YEAR ERSI SOFR SWAP FUTURES (YIT)								
YIT	Non-HRP	Month 1	Increase	USD	125	125	130	130
YIT	HRP	Month 1	Increase	USD	138	125	143	130
YIT	Non-HRP	Month 2	Increase	USD	175	175	190	190
YIT	HRP	Month 2	Increase	USD	193	175	209	190
YIT	Non-HRP	Month 3	Increase	USD	200	200	245	245
YIT	HRP	Month 3	Increase	USD	220	200	270	245
YIT	Non-HRP	Month 4	Increase	USD	240	240	300	300
YIT	HRP	Month 4	Increase	USD	264	240	330	300
YIT	Non-HRP	Month 5	Increase	USD	290	290	355	355
YIT	HRP	Month 5	Increase	USD	319	290	391	355
YIT	Non-HRP	Month 6	Increase	USD	345	345	425	425
YIT	HRP	Month 6	Increase	USD	380	345	468	425
YIT	Non-HRP	Month 7	Increase	USD	390	390	425	425
YIT	HRP	Month 7	Increase	USD	429	390	468	425

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
2-YEAR ERIS SWAP FUTURE (LIT)								
LIT	Non-HRP	Month 2	Increase	USD	25	25	30	30
LIT	HRP	Month 2	Increase	USD	28	25	33	30
LIT	Non-HRP	Month 3	Increase	USD	55	55	75	75
LIT	HRP	Month 3	Increase	USD	61	55	83	75
LIT	Non-HRP	Month 4	Increase	USD	95	95	130	130
LIT	HRP	Month 4	Increase	USD	105	95	143	130
LIT	Non-HRP	Month 5	Increase	USD	140	140	190	190
LIT	HRP	Month 5	Increase	USD	154	140	209	190
LIT	Non-HRP	Month 6	Increase	USD	190	190	245	245
LIT	HRP	Month 6	Increase	USD	209	190	270	245
LIT	Non-HRP	Month 7	Increase	USD	240	240	300	300
LIT	HRP	Month 7	Increase	USD	264	240	330	300
LIT	Non-HRP	Month 8	Increase	USD	290	290	355	355
LIT	HRP	Month 8	Increase	USD	319	290	391	355
LIT	Non-HRP	Month 9	Increase	USD	345	345	425	425
LIT	HRP	Month 9	Increase	USD	380	345	468	425
LIT	Non-HRP	Month 10	Increase	USD	390	390	425	425
LIT	HRP	Month 10	Increase	USD	429	390	468	425
2-YEAR SOFR MAC SWAP FUTURES (T1S)								
T1S	Non-HRP		Increase	USD	390	390	425	425
T1S	HRP		Increase	USD	429	390	468	425
2-YEAR USD MAC SWAP FUTURES (T1U)								
T1U	Non-HRP		Increase	USD	390	390	425	425
T1U	HRP		Increase	USD	429	390	468	425
3-YEAR ERIS SOFR SWAP FUTURES (YIC)								
YIC	Non-HRP	Month 1	Increase	USD	300	300	330	330
YIC	HRP	Month 1	Increase	USD	330	300	363	330
YIC	Non-HRP	Month 2	Increase	USD	350	350	400	400
YIC	HRP	Month 2	Increase	USD	385	350	440	400
YIC	Non-HRP	Month 3	Increase	USD	395	395	450	450
YIC	HRP	Month 3	Increase	USD	435	395	495	450
YIC	Non-HRP	Month 4	Increase	USD	450	450	500	500
YIC	HRP	Month 4	Increase	USD	495	450	550	500
YIC	Non-HRP	Month 5	Increase	USD	500	500	550	550
YIC	HRP	Month 5	Increase	USD	550	500	605	550
YIC	Non-HRP	Month 6	Increase	USD	550	550	600	600
YIC	HRP	Month 6	Increase	USD	605	550	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
3-YEAR ERIS SWAP FUTURES (LIC)								
LIC	Non-HRP	Months 2	Increase	USD	30	30	35	35
LIC	HRP	Months 2	Increase	USD	33	30	39	35
LIC	Non-HRP	Months 3	Increase	USD	55	55	75	75
LIC	HRP	Months 3	Increase	USD	61	55	83	75
LIC	Non-HRP	Months 4	Increase	USD	85	85	115	115
LIC	HRP	Months 4	Increase	USD	94	85	127	115
LIC	Non-HRP	Months 5	Increase	USD	130	130	175	175
LIC	HRP	Months 5	Increase	USD	143	130	193	175
LIC	Non-HRP	Months 6	Increase	USD	170	170	220	220
LIC	HRP	Months 6	Increase	USD	187	170	242	220
LIC	Non-HRP	Months 7	Increase	USD	245	245	280	280
LIC	HRP	Months 7	Increase	USD	270	245	308	280
LIC	Non-HRP	Months 8	Increase	USD	300	300	330	330
LIC	HRP	Months 8	Increase	USD	330	300	363	330
LIC	Non-HRP	Months 9	Increase	USD	350	350	400	400
LIC	HRP	Months 9	Increase	USD	385	350	440	400
LIC	Non-HRP	Months 10	Increase	USD	395	395	450	450
LIC	HRP	Months 10	Increase	USD	435	395	495	450
LIC	Non-HRP	Months 11	Increase	USD	450	450	500	500
LIC	HRP	Months 11	Increase	USD	495	450	550	500
LIC	Non-HRP	Months 12	Increase	USD	500	500	550	550
LIC	HRP	Months 12	Increase	USD	550	500	605	550
LIC	Non-HRP	Months 13	Increase	USD	550	550	600	600
LIC	HRP	Months 13	Increase	USD	605	550	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

4-YEAR ERIS SOFR SWAP FUTURES (YID)

YID	Non-HRP	Month 1	Increase	USD	500	500	550	550
YID	HRP	Month 1	Increase	USD	550	500	605	550
YID	Non-HRP	Month 2	Increase	USD	550	550	600	600
YID	HRP	Month 2	Increase	USD	605	550	660	600
YID	Non-HRP	Month 3	Increase	USD	610	610	660	660
YID	HRP	Month 3	Increase	USD	671	610	726	660
YID	Non-HRP	Month 4	Increase	USD	670	670	700	700
YID	HRP	Month 4	Increase	USD	737	670	770	700
YID	Non-HRP	Month 5	Increase	USD	700	700	750	750
YID	HRP	Month 5	Increase	USD	770	700	825	750
YID	Non-HRP	Month 6	Increase	USD	730	730	800	800
YID	HRP	Month 6	Increase	USD	803	730	880	800
YID	Non-HRP	Month 7	Increase	USD	750	750	800	800
YID	HRP	Month 7	Increase	USD	825	750	880	800
YID	Non-HRP	Month 8	Increase	USD	790	790	800	800
YID	HRP	Month 8	Increase	USD	869	790	880	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

4-YEAR ERIS SWAP FUTURES (LID)

LID	Non-HRP	Month 4	Increase	USD	110	110	130	130
LID	HRP	Month 4	Increase	USD	121	110	143	130
LID	Non-HRP	Month 5	Increase	USD	160	160	190	190
LID	HRP	Month 5	Increase	USD	176	160	209	190
LID	Non-HRP	Month 6	Increase	USD	225	225	245	245
LID	HRP	Month 6	Increase	USD	248	225	270	245
LID	Non-HRP	Month 7	Increase	USD	275	275	300	300
LID	HRP	Month 7	Increase	USD	303	275	330	300
LID	Non-HRP	Month 8	Increase	USD	325	325	360	360
LID	HRP	Month 8	Increase	USD	358	325	396	360
LID	Non-HRP	Month 9	Increase	USD	380	380	420	420
LID	HRP	Month 9	Increase	USD	418	380	462	420
LID	Non-HRP	Month 10	Increase	USD	420	420	450	450
LID	HRP	Month 10	Increase	USD	462	420	495	450
LID	Non-HRP	Month 11	Increase	USD	460	460	500	500
LID	HRP	Month 11	Increase	USD	506	460	550	500
LID	Non-HRP	Month 12	Increase	USD	500	500	550	550
LID	HRP	Month 12	Increase	USD	550	500	605	550
LID	Non-HRP	Month 13	Increase	USD	550	550	600	600
LID	HRP	Month 13	Increase	USD	605	550	660	600
LID	Non-HRP	Month 14	Increase	USD	610	610	660	660
LID	HRP	Month 14	Increase	USD	671	610	726	660
LID	Non-HRP	Month 15	Increase	USD	670	670	700	700
LID	HRP	Month 15	Increase	USD	737	670	770	700
LID	Non-HRP	Month 16	Increase	USD	700	700	750	750
LID	HRP	Month 16	Increase	USD	770	700	825	750
LID	Non-HRP	Month 17	Increase	USD	730	730	800	800
LID	HRP	Month 17	Increase	USD	803	730	880	800
LID	Non-HRP	Month 18	Increase	USD	750	750	800	800
LID	HRP	Month 18	Increase	USD	825	750	880	800
LID	Non-HRP	Month 19+	Increase	USD	790	790	800	800
LID	HRP	Month 19+	Increase	USD	869	790	880	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

5-YEAR ERIS SOFR SWAP FUTURES (YIW)

YIW	Non-HRP	Month 1	Increase	USD	710	710	725	725
YIW	HRP	Month 1	Increase	USD	781	710	798	725
YIW	Non-HRP	Month 2	Increase	USD	725	725	750	750
YIW	HRP	Month 2	Increase	USD	798	725	825	750
YIW	Non-HRP	Month 3	Increase	USD	775	775	800	800
YIW	HRP	Month 3	Increase	USD	853	775	880	800
YIW	Non-HRP	Month 4	Increase	USD	840	840	850	850
YIW	HRP	Month 4	Increase	USD	924	840	935	850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
5-YEAR ERIS SWAP FUTURES (LIW)								
LIW	Non-HRP	Month 3	Increase	USD	55	55	75	75
LIW	HRP	Month 3	Increase	USD	61	55	83	75
LIW	Non-HRP	Month 4	Increase	USD	80	80	110	110
LIW	HRP	Month 4	Increase	USD	88	80	121	110
LIW	Non-HRP	Month 5	Increase	USD	125	125	175	175
LIW	HRP	Month 5	Increase	USD	138	125	193	175
LIW	Non-HRP	Month 6	Increase	USD	165	165	225	225
LIW	HRP	Month 6	Increase	USD	182	165	248	225
LIW	Non-HRP	Month 7	Increase	USD	230	230	300	300
LIW	HRP	Month 7	Increase	USD	253	230	330	300
LIW	Non-HRP	Month 8	Increase	USD	285	285	350	350
LIW	HRP	Month 8	Increase	USD	314	285	385	350
LIW	Non-HRP	Month 9	Increase	USD	350	350	410	410
LIW	HRP	Month 9	Increase	USD	385	350	451	410
LIW	Non-HRP	Month 10	Increase	USD	415	415	475	475
LIW	HRP	Month 10	Increase	USD	457	415	523	475
LIW	Non-HRP	Month 11	Increase	USD	465	465	515	515
LIW	HRP	Month 11	Increase	USD	512	465	567	515
LIW	Non-HRP	Month 12	Increase	USD	500	500	550	550
LIW	HRP	Month 12	Increase	USD	550	500	605	550
LIW	Non-HRP	Month 13	Increase	USD	550	550	590	590
LIW	HRP	Month 13	Increase	USD	605	550	649	590
LIW	Non-HRP	Month 14	Increase	USD	600	600	625	625
LIW	HRP	Month 14	Increase	USD	660	600	688	625
LIW	Non-HRP	Month 15	Increase	USD	640	640	700	700
LIW	HRP	Month 15	Increase	USD	704	640	770	700
LIW	Non-HRP	Month 16	Increase	USD	690	690	725	725
LIW	HRP	Month 16	Increase	USD	759	690	798	725
LIW	Non-HRP	Month 17	Increase	USD	725	725	750	750
LIW	HRP	Month 17	Increase	USD	798	725	825	750
LIW	Non-HRP	Month 18	Increase	USD	775	775	800	800
LIW	HRP	Month 18	Increase	USD	853	775	880	800
LIW	Non-HRP	Month 19	Increase	USD	840	840	850	850
LIW	HRP	Month 19	Increase	USD	924	840	935	850

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

MPC SONIA FUTURES (MPC)

MPC	Non-HRP	Months 1 - 2	Increase	GBP	300	300	400	400
MPC	HRP	Months 1 - 2	Increase	GBP	330	300	440	400
MPC	Non-HRP	Months 3+	Increase	GBP	335	335	475	475
MPC	HRP	Months 3+	Increase	GBP	369	335	523	475

THREE-MONTH BSBY FUTURE (BSB)

BSB	Non-HRP	Month 1	Increase	USD	280	280	300	300
BSB	HRP	Month 1	Increase	USD	308	280	330	300
BSB	Non-HRP	Month 2	Increase	USD	400	400	450	450
BSB	HRP	Month 2	Increase	USD	440	400	495	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
METALS - Outright Rates								
ALUMINA FOB AUSTRALIA PLATT FUTURES (ALA)								
ALA	Non-HRP	Mths 3+	Increase	USD	4,750	4,750	5,900	5,900
ALA	HRP	Mths 3+	Increase	USD	5,225	4,750	6,490	5,900
ALUMINIUM EURO PREM DUTY-PAID FUT (EDP)								
EDP	Non-HRP	Mth 1	Increase	USD	900	900	1,000	1,000
EDP	HRP	Mth 1	Increase	USD	990	900	1,100	1,000
EDP	Non-HRP	Mths 2-9	Increase	USD	1,425	1,425	1,600	1,600
EDP	HRP	Mths 2-9	Increase	USD	1,568	1,425	1,760	1,600
EDP	Non-HRP	Mths 10+	Increase	USD	1,550	1,550	1,700	1,700
EDP	HRP	Mths 10+	Increase	USD	1,705	1,550	1,870	1,700
ALUMINIUM EURO PREM METAL BULLETIN (AEP)								
AEP	Non-HRP	Mth 1	Increase	USD	1,100	1,100	1,300	1,300
AEP	HRP	Mth 1	Increase	USD	1,210	1,100	1,430	1,300
AEP	Non-HRP	Mths 2-9	Increase	USD	1,300	1,300	1,500	1,500
AEP	HRP	Mths 2-9	Increase	USD	1,430	1,300	1,650	1,500
AEP	Non-HRP	Mths 10+	Increase	USD	1,500	1,500	1,700	1,700
AEP	HRP	Mths 10+	Increase	USD	1,650	1,500	1,870	1,700
ALUMINUM FUTURES (ALI)								
ALI	Non-HRP	Mths 1-4	Increase	USD	4,200	4,200	4,750	4,750
ALI	HRP	Mths 1-4	Increase	USD	4,620	4,200	5,225	4,750
ALI	Non-HRP	Mths 5+	Increase	USD	4,200	4,200	4,750	4,750
ALI	HRP	Mths 5+	Increase	USD	4,620	4,200	5,225	4,750
ALUMINUM JAPAN PREMIUM (PLATTS) FUT (MJP)								
MJP	Non-HRP	Mths 01	Increase	USD	840	840	1,000	1,000
MJP	HRP	Mths 01	Increase	USD	924	840	1,100	1,000
COBALT METAL (FASTMARKETS) FUT (COB)								
COB	Non-HRP	Mths 2-3	Increase	USD	3,600	3,600	4,000	4,000
COB	HRP	Mths 2-3	Increase	USD	3,960	3,600	4,400	4,000
COB	Non-HRP	Mths 4-6	Increase	USD	3,600	3,600	4,000	4,000
COB	HRP	Mths 4-6	Increase	USD	3,960	3,600	4,400	4,000
COB	Non-HRP	Mths 7+	Increase	USD	3,600	3,600	4,000	4,000
COB	HRP	Mths 7+	Increase	USD	3,960	3,600	4,400	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LITHIUM HYDROXIDE (FASTMARKETS) FUT (LTH)								
LTH	Non-HRP	Mths 2-3	Increase	USD	3,360	3,360	4,000	4,000
LTH	HRP	Mths 2-3	Increase	USD	3,696	3,360	4,400	4,000
LTH	Non-HRP	Mths 4-6	Increase	USD	3,360	3,360	4,000	4,000
LTH	HRP	Mths 4-6	Increase	USD	3,696	3,360	4,400	4,000
LTH	Non-HRP	Mths 7+	Increase	USD	3,360	3,360	4,000	4,000
LTH	HRP	Mths 7+	Increase	USD	3,696	3,360	4,400	4,000
PETROLEUM CRACKS AND SPREADS - Outright Rates								
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Non-HRP	Mnth 1	Increase	USD	8,200	8,200	9,400	9,400
FS	HRP	Mnth 1	Increase	USD	9,020	8,200	10,340	9,400
FS	Non-HRP	Mnths 3-8	Increase	USD	6,000	6,000	6,600	6,600
FS	HRP	Mnths 3-8	Increase	USD	6,600	6,000	7,260	6,600
MIN ULSD 10PPM CRGOS CIF MED VS GSL (UCM)								
UCM	Non-HRP	Mnth 1	Increase	USD	250	250	280	280
UCM	HRP	Mnth 1	Increase	USD	275	250	308	280
UCM	Non-HRP	Mnth 2+	Increase	USD	150	150	200	200
UCM	HRP	Mnth 2+	Increase	USD	165	150	220	200
NY ULSD VS. NY HRBR ULSD FUT (7Y)								
7Y	Non-HRP	Mnth 1	Increase	USD	475	475	600	600
7Y	HRP	Mnth 1	Increase	USD	523	475	660	600
7Y	Non-HRP	Mnth 2	Increase	USD	450	450	575	575
7Y	HRP	Mnth 2	Increase	USD	495	450	633	575
7Y	Non-HRP	Mnths 3+	Increase	USD	425	425	550	550
7Y	HRP	Mnths 3+	Increase	USD	468	425	605	550
SINGAPORE JET DUBAI CRACK (KSD)								
KSD	Non-HRP	Mnth 1	Increase	USD	1,500	1,500	1,750	1,750
KSD	HRP	Mnth 1	Increase	USD	1,650	1,500	1,925	1,750
SINGAPORE JET KERO GASOIL FUT (RK)								
RK	Non-HRP	Mnth 1	Increase	USD	800	800	920	920
RK	HRP	Mnth 1	Increase	USD	880	800	1,012	920
ULSD 10PPM CIF MED VS. ICE GAS (Z7)								
Z7	Non-HRP	Mnth 1	Increase	USD	2,500	2,500	2,800	2,800
Z7	HRP	Mnth 1	Increase	USD	2,750	2,500	3,080	2,800
Z7	Non-HRP	Mnth 2+	Increase	USD	1,500	1,500	2,000	2,000
Z7	HRP	Mnth 2+	Increase	USD	1,650	1,500	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								
REFINED PRODUCTS - Outright Rates								
EUR DIESEL10PPM BRGS FOB ARA(P)FUT (GT)								
GT	Non-HRP		Increase	USD	30,000	30,000	35,000	35,000
GT	HRP		Increase	USD	33,000	30,000	38,500	35,000
EUROPE JET KERO RDAM CALFUT (UR)								
UR	Non-HRP	Mnth 1	Increase	USD	28,000	28,000	32,000	32,000
UR	HRP	Mnth 1	Increase	USD	30,800	28,000	35,200	32,000
UR	Non-HRP	Mnths 2+	Increase	USD	28,000	28,000	32,000	32,000
UR	HRP	Mnths 2+	Increase	USD	30,800	28,000	35,200	32,000
EUROPEAN GASOIL ICE FUTURE (7F)								
7F	Non-HRP	Mnth 1	Increase	USD	3,450	3,450	4,100	4,100
7F	HRP	Mnth 1	Increase	USD	3,795	3,450	4,510	4,100
7F	Non-HRP	Mnths 2-6	Increase	USD	3,400	3,400	3,950	3,950
7F	HRP	Mnths 2-6	Increase	USD	3,740	3,400	4,345	3,950
7F	Non-HRP	Mnths 7-11	Increase	USD	3,225	3,225	3,500	3,500
7F	HRP	Mnths 7-11	Increase	USD	3,548	3,225	3,850	3,500
7F	Non-HRP	Mnths 12+	Increase	USD	2,875	2,875	3,200	3,200
7F	HRP	Mnths 12+	Increase	USD	3,163	2,875	3,520	3,200
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Non-HRP	Mnth 1	Increase	USD	3,450	3,450	4,100	4,100
7FT	HRP	Mnth 1	Increase	USD	3,795	3,450	4,510	4,100
7FT	Non-HRP	Mnths 2-6	Increase	USD	3,400	3,400	3,950	3,950
7FT	HRP	Mnths 2-6	Increase	USD	3,740	3,400	4,345	3,950
7FT	Non-HRP	Mnths 7-11	Increase	USD	3,225	3,225	3,500	3,500
7FT	HRP	Mnths 7-11	Increase	USD	3,548	3,225	3,850	3,500
7FT	Non-HRP	Mnths 12+	Increase	USD	2,875	2,875	3,200	3,200
7FT	HRP	Mnths 12+	Increase	USD	3,163	2,875	3,520	3,200
GASOIL 0.1% CIF MED BALMO FUT (X6)								
X6	Non-HRP		Increase	USD	27,500	27,500	30,000	30,000
X6	HRP		Increase	USD	30,250	27,500	33,000	30,000
GASOIL 0.1% CIF MED FUT (Z4)								
Z4	Non-HRP	Mnth 2+	Increase	USD	26,000	26,000	30,000	30,000
Z4	HRP	Mnth 2+	Increase	USD	28,600	26,000	33,000	30,000
Z4	Non-HRP	Mnth 1	Increase	USD	30,000	30,000	32,000	32,000
Z4	HRP	Mnth 1	Increase	USD	33,000	30,000	35,200	32,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GASOIL BULLET FUT (BG)								
BG	Non-HRP	Mnth 1	Increase	USD	34,500	34,500	41,000	41,000
BG	HRP	Mnth 1	Increase	USD	37,950	34,500	45,100	41,000
BG	Non-HRP	Mnths 2-6	Increase	USD	34,000	34,000	39,500	39,500
BG	HRP	Mnths 2-6	Increase	USD	37,400	34,000	43,450	39,500
BG	Non-HRP	Mnths 7-11	Increase	USD	32,250	32,250	35,000	35,000
BG	HRP	Mnths 7-11	Increase	USD	35,475	32,250	38,500	35,000
BG	Non-HRP	Mnths 12+	Increase	USD	28,750	28,750	32,000	32,000
BG	HRP	Mnths 12+	Increase	USD	31,625	28,750	35,200	32,000
MINI SINGAPORE GASOIL 500 PPM (PLAT (MGO))								
MGO	Non-HRP	Mnth 1	Increase	USD	410	410	500	500
MGO	HRP	Mnth 1	Increase	USD	451	410	550	500
MGO	Non-HRP	Mnths 2-6	Increase	USD	410	410	470	470
MGO	HRP	Mnths 2-6	Increase	USD	451	410	517	470
MGO	Non-HRP	Mnths 7+	Increase	USD	370	370	430	430
MGO	HRP	Mnths 7+	Increase	USD	407	370	473	430
NY BUCKEYE JET FUEL (PLATTS) FUTURE (BUC)								
BUC	Non-HRP		Increase	USD	4,800	4,800	5,500	5,500
BUC	HRP		Increase	USD	5,280	4,800	6,050	5,500
SINGAPORE GASOIL 500 PPM (PLATTS) F (GHS)								
GHS	Non-HRP	Mnth 1	Increase	USD	4,100	4,100	5,000	5,000
GHS	HRP	Mnth 1	Increase	USD	4,510	4,100	5,500	5,000
GHS	Non-HRP	Mnths 2-6	Increase	USD	4,100	4,100	4,700	4,700
GHS	HRP	Mnths 2-6	Increase	USD	4,510	4,100	5,170	4,700
GHS	Non-HRP	Mnths 7+	Increase	USD	3,700	3,700	4,300	4,300
GHS	HRP	Mnths 7+	Increase	USD	4,070	3,700	4,730	4,300
SYNTHETIC GASOIL BULLET FUT (SBG)								
SBG	Non-HRP	Mnth 1	Increase	USD	34,500	34,500	41,000	41,000
SBG	HRP	Mnth 1	Increase	USD	37,950	34,500	45,100	41,000
SBG	Non-HRP	Mnths 2-6	Increase	USD	34,000	34,000	39,500	39,500
SBG	HRP	Mnths 2-6	Increase	USD	37,400	34,000	43,450	39,500
SBG	Non-HRP	Mnths 7-11	Increase	USD	32,250	32,250	35,000	35,000
SBG	HRP	Mnths 7-11	Increase	USD	35,475	32,250	38,500	35,000
SBG	Non-HRP	Mnths 12+	Increase	USD	28,750	28,750	32,000	32,000
SBG	HRP	Mnths 12+	Increase	USD	31,625	28,750	35,200	32,000
ULSD 10PPM CARGOES CIF NWE S (TY)								
TY	Non-HRP		Increase	USD	29,000	29,000	33,000	33,000
TY	HRP		Increase	USD	31,900	29,000	36,300	33,000

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

ULSD 10PPM CIF MED FUT (Z6)

Z6	Non-HRP		Increase	USD	29,000	29,000	32,000	32,000
Z6	HRP		Increase	USD	31,900	29,000	35,200	32,000

USGC MARINE FUEL VS EUROPEAN FOB R (UPM)

UPM	Non-HRP	Month 3+	Increase	USD	11,500	11,500	13,000	13,000
UPM	HRP	Month 3+	Increase	USD	12,650	11,500	14,300	13,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
(DAP FOB NOLA FUTURES)								
DFN	Non-HRP		Increase	USD	5,000	5,000	5,400	5,400
DFN	HRP		Increase	USD	5,500	5,000	5,940	5,400
Month 1 vs Month 3 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,900	1,900	2,300	2,300
PRK	HRP		Increase	USD	2,090	1,900	2,530	2,300
Month 1 vs Month 4 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	2,400	2,400	2,600	2,600
PRK	HRP		Increase	USD	2,640	2,400	2,860	2,600
Month 1 vs Month 5 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	2,400	2,400	2,600	2,600
PRK	HRP		Increase	USD	2,640	2,400	2,860	2,600
Month 1 vs Month 6 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	2,400	2,400	2,600	2,600
PRK	HRP		Increase	USD	2,640	2,400	2,860	2,600
Month 1 vs Month 7 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	2,400	2,400	2,600	2,600
PRK	HRP		Increase	USD	2,640	2,400	2,860	2,600
Month 1 vs Months 8+ (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	2,400	2,400	2,600	2,600
PRK	HRP		Increase	USD	2,640	2,400	2,860	2,600
Month 2 vs Month 3 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,250	1,250	1,300	1,300
PRK	HRP		Increase	USD	1,375	1,250	1,430	1,300
Month 2 vs Month 4 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,500	1,500	1,700	1,700
PRK	HRP		Increase	USD	1,650	1,500	1,870	1,700
Month 2 vs Month 5 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,600	1,600	1,700	1,700
PRK	HRP		Increase	USD	1,760	1,600	1,870	1,700
Month 3 vs Month 4 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	650	650	750	750
PRK	HRP		Increase	USD	715	650	825	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 4 vs Month 5 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	650	650	750	750
PRK	HRP		Increase	USD	715	650	825	750
Month 4 vs Month 6 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,300	1,300	1,400	1,400
PRK	HRP		Increase	USD	1,430	1,300	1,540	1,400
Month 4 vs Month 7 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,400	1,400	1,500	1,500
PRK	HRP		Increase	USD	1,540	1,400	1,650	1,500
Month 5 vs Month 6 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	900	900	1,000	1,000
PRK	HRP		Increase	USD	990	900	1,100	1,000
Month 6 vs Month 7 (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	450	450	600	600
PRK	HRP		Increase	USD	495	450	660	600
Month 6 vs Months 8+ (PORK CUTOUT FUTURE)								
PRK	Non-HRP		Increase	USD	1,000	1,000	1,100	1,100
PRK	HRP		Increase	USD	1,100	1,000	1,210	1,100
Months 1-2 vs Months 3+ (OATS FUTURES)								
O	Non-HRP		Increase	USD	1,050	1,050	1,300	1,300
O	HRP		Increase	USD	1,155	1,050	1,430	1,300
Months 3+ vs Months 3+ (OATS FUTURES)								
O	Non-HRP		Increase	USD	1,050	1,050	1,300	1,300
O	HRP		Increase	USD	1,155	1,050	1,430	1,300
CRUDE OIL SPREADS - Intra Spreads								
Dated-to-Frontline Brent Swap - Mth 1 vs Mths 2+ (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Non-HRP		Decrease	USD	1,100	1,100	1,000	1,000
FY	HRP		Decrease	USD	1,210	1,100	1,100	1,000
Dated-to-Frontline Brent Swap - Mths 2+ (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Non-HRP		Decrease	USD	800	800	700	700
FY	HRP		Decrease	USD	880	800	770	700
ETHANOL - Intra Spreads								
All Mtnhs (UCOME BIO FO (REDCT)(AR) VS LSG FUT)								
UCS	Non-HRP		Decrease	USD	8,000	8,000	7,000	7,000
UCS	HRP		Decrease	USD	8,800	8,000	7,700	7,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
CX-AEP Months(s) 01-11 vs CX-AEP Month(s) 01-11 (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Non-HRP		Increase	USD	900	900	1,300	1,300
AEP	HRP		Increase	USD	990	900	1,430	1,300
CX-AEP Months(s) 12+ vs CX-AEP Month(s) 12+ (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Non-HRP		Increase	USD	900	900	1,100	1,100
AEP	HRP		Increase	USD	990	900	1,210	1,100
CX-AEP Mth(s) 01-11 vs Mth(s) 12+ (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Non-HRP		Increase	USD	1,100	1,100	1,300	1,300
AEP	HRP		Increase	USD	1,210	1,100	1,430	1,300
CX-ALA Months 01-04 vs Months 01-04 (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Non-HRP		Increase	USD	4,750	4,750	7,000	7,000
ALA	HRP		Increase	USD	5,225	4,750	7,700	7,000
CX-ALA Months 01-04 vs Months 05+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Non-HRP		Increase	USD	4,750	4,750	7,000	7,000
ALA	HRP		Increase	USD	5,225	4,750	7,700	7,000
CX-ALA Months 05+ vs Months 05+ (ALUMINA FOB AUSTRALIA PLATT FUTURES)								
ALA	Non-HRP		Increase	USD	4,750	4,750	5,900	5,900
ALA	HRP		Increase	USD	5,225	4,750	6,490	5,900
CX-HDG Month(s) 01-04 vs CX-HDG Month(s) 01-04 (U.S. MIDWEST DOM STEEL PREM(CRU)FUT)								
HDG	Non-HRP		Increase	USD	675	675	920	920
HDG	HRP		Increase	USD	743	675	1,012	920
CX-HDG Month(s) 01-04 vs CX-HDG Month(s) 05+ (U.S. MIDWEST DOM STEEL PREM(CRU)FUT)								
HDG	Non-HRP		New	USD			920	920
HDG	HRP		New	USD			1,012	920
CX-HDG Month(s) 05+ vs CX-HDG Month(s) 05+ (U.S. MIDWEST DOM STEEL PREM(CRU)FUT)								
HDG	Non-HRP		New	USD			920	920
HDG	HRP		New	USD			1,012	920
CX-LTH Month(s) 01 vs Month(s) 02-03 (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 01 vs Month(s) 04-06 (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CX-LTH Month(s) 01 vs Month(s) 07+ (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 02-03 vs Month(s) 02-03 (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 02-03 vs Month(s) 04-06 (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 02-03 vs Month(s) 07+ (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 04-06 vs Month(s) 04-06 (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 04-06 vs Month(s) 07+ (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
CX-LTH Month(s) 07+ vs Month(s) 07+ (LITHIUM HYDROXIDE (FASTMARKETS) FUT)								
LTH	Non-HRP		Increase	USD	1,680	1,680	2,500	2,500
LTH	HRP		Increase	USD	1,848	1,680	2,750	2,500
Months 02-03 vs. Months 02-03 (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000
Months 02-03 vs. Months 04-06 (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000
Months 02-03 vs. Months 07+ (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000
Months 04-06 vs. Months 04-06 (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Months 04-06 vs. Months 07+ (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000
Months 07+ vs. Months 07+ (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
COB	HRP		Increase	USD	3,850	3,500	4,400	4,000
NGL/PETROCHEMICALS - Intra Spreads								
Conway Propane (OPIS) Swap - Mnth 1 vs. All Months (CONWAY PROPANE 5 DEC. FUT)								
8K	Non-HRP		Decrease	USD	2,500	2,500	1,000	1,000
8K	HRP		Decrease	USD	2,750	2,500	1,100	1,000
Conway Propane (OPIS) Swap - Mnth 2+ All Months (CONWAY PROPANE 5 DEC. FUT)								
8K	Non-HRP		Decrease	USD	2,500	2,500	1,500	1,500
8K	HRP		Decrease	USD	2,750	2,500	1,650	1,500
Mont Belvieu Isobutane (OPIS) Swap - Mnth 1 and 2 vs. All Months (MT BELVIEU ISO BUTANE 5 DEC. S)								
8I	Non-HRP		Decrease	USD	2,600	2,600	2,000	2,000
8I	HRP		Decrease	USD	2,860	2,600	2,200	2,000
Mont Belvieu Isobutane (OPIS) Swap - Mnth 1 vs. 2 (MT BELVIEU ISO BUTANE 5 DEC. S)								
8I	Non-HRP		Decrease	USD	2,800	2,800	2,000	2,000
8I	HRP		Decrease	USD	3,080	2,800	2,200	2,000
Mont Belvieu Natural Gasoline (OPIS) Swap - All Months (MT BELVIEU NAT GAS 5 D. OPIS)								
7Q	Non-HRP		Decrease	USD	3,200	3,200	2,000	2,000
7Q	HRP		Decrease	USD	3,520	3,200	2,200	2,000
Mont Belvieu Natural Gasoline (OPIS) Swap - All Months (SYNTH 119 MT BELVIEU NAT GAS 5 D. O)								
119	Non-HRP		Decrease	USD	320	320	200	200
119	HRP		Decrease	USD	352	320	220	200

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

PETROLEUM CRACKS AND SPREADS - Intra Spreads

All Months (NY BUCKEYE JET FUEL VS NY HARB ULSD)

JET	Non-HRP	Increase	USD	1,500	1,500	1,900	1,900
JET	HRP	Increase	USD	1,650	1,500	2,090	1,900

High-Low Sulfur Fuel Oil Spread Swap - Consecutive (FUELOIL FUT:CARGOES VS.BARGES)

FS	Non-HRP	Decrease	USD	2,750	2,750	2,250	2,250
FS	HRP	Decrease	USD	3,025	2,750	2,475	2,250

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

7Y	Non-HRP	Increase	USD	700	700	850	850
7Y	HRP	Increase	USD	770	700	935	850

SINGAPORE JET KERO GASOIL SWAP - Consecutives (SINGAPORE JET KERO GASOIL FUT)

RK	Non-HRP	Increase	USD	275	275	300	300
RK	HRP	Increase	USD	303	275	330	300

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								
(MINI SINGAPORE GASOIL 500 PPM (PLAT))								
MGO	Non-HRP		Increase	USD	75	75	90	90
MGO	Non-HRP		Decrease	USD	150	150	120	120
MGO	HRP		Decrease	USD	165	150	132	120
MGO	HRP		Increase	USD	83	75	99	90
(SINGAPORE GASOIL 500 PPM (PLATTS) F)								
GHS	Non-HRP		Increase	USD	750	750	900	900
GHS	Non-HRP		Decrease	USD	1,500	1,500	1,200	1,200
GHS	HRP		Decrease	USD	1,650	1,500	1,320	1,200
GHS	HRP		Increase	USD	825	750	990	900
All Months vs All Months (NY BUCKEYE JET FUEL (PLATTS) FUTURE)								
BUC	Non-HRP		Increase	USD	2,200	2,200	2,700	2,700
BUC	HRP		Increase	USD	2,420	2,200	2,970	2,700
European Gasoil 10PPM Rdam Barges Swap - All Months (EUR DIESEL10PPM BRGS FOB ARA(P)FUT)								
GT	Non-HRP		Increase	USD	6,000	6,000	7,000	7,000
GT	HRP		Increase	USD	6,600	6,000	7,700	7,000
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	750	750	900	900
7F	HRP		Increase	USD	825	750	990	900
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	750	750	900	900
7FT	HRP		Increase	USD	825	750	990	900
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	7,500	7,500	9,000	9,000
BG	HRP		Increase	USD	8,250	7,500	9,900	9,000
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	7,500	7,500	9,000	9,000
SBG	HRP		Increase	USD	8,250	7,500	9,900	9,000
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	650	650	800	800
7F	HRP		Increase	USD	715	650	880	800
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	650	650	800	800
7FT	HRP		Increase	USD	715	650	880	800

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 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	6,500	6,500	8,000	8,000
BG	HRP		Increase	USD	7,150	6,500	8,800	8,000
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	6,500	6,500	8,000	8,000
SBG	HRP		Increase	USD	7,150	6,500	8,800	8,000
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Decrease	USD	825	825	650	650
7F	HRP		Decrease	USD	908	825	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Decrease	USD	825	825	650	650
7FT	HRP		Decrease	USD	908	825	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Decrease	USD	8,250	8,250	6,500	6,500
BG	HRP		Decrease	USD	9,075	8,250	7,150	6,500
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Decrease	USD	8,250	8,250	6,500	6,500
SBG	HRP		Decrease	USD	9,075	8,250	7,150	6,500
European Gasoil Bullet Swap - Tier 3 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	280	280	320	320
7F	HRP		Increase	USD	308	280	352	320
European Gasoil Bullet Swap - Tier 3 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	280	280	320	320
7FT	HRP		Increase	USD	308	280	352	320
European Gasoil Bullet Swap - Tier 3 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	2,800	2,800	3,200	3,200
BG	HRP		Increase	USD	3,080	2,800	3,520	3,200
European Gasoil Bullet Swap - Tier 3 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	2,800	2,800	3,200	3,200
SBG	HRP		Increase	USD	3,080	2,800	3,520	3,200
Gasoil 0.1 Cargoes CIF MED (Platts) Futures - Mth 1 vs Mths 2+ (GASOIL 0.1% CIF MED FUT)								
Z4	Non-HRP		Increase	USD	3,400	3,400	8,000	8,000
Z4	HRP		Increase	USD	3,740	3,400	8,800	8,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Gasoil 0.1 Cargoes CIF MED (Platts) Futures - Mths 2+ (GASOIL 0.1% CIF MED FUT)								
Z4	Non-HRP		Increase	USD	5,500	5,500	7,000	7,000
Z4	HRP		Increase	USD	6,050	5,500	7,700	7,000
Gasoil 10ppm Cargoes CIF NWE Swap - All Months (ULSD 10PPM CARGOES CIF NWE S)								
TY	Non-HRP		Increase	USD	6,000	6,000	7,500	7,500
TY	HRP		Increase	USD	6,600	6,000	8,250	7,500
Gulf Coast ULSD Swap- Consecutive Month 2+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	470	470	570	570
LY	HRP		Increase	USD	517	470	627	570
Gulf Coast ULSD Swap- Consecutive Month 2+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Increase	USD	47	47	57	57
111	HRP		Increase	USD	52	47	63	57
Month 2 vs Months 3+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		Increase	USD	95	95	115	115
S5O	HRP		Increase	USD	105	95	127	115
Month 2 vs Months 3+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		Increase	USD	950	950	1,150	1,150
S5M	HRP		Increase	USD	1,045	950	1,265	1,150
Month 2 vs Months 3+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA)								
S5F	Non-HRP		Increase	USD	9,500	9,500	11,500	11,500
S5F	HRP		Increase	USD	10,450	9,500	12,650	11,500
Months 3+ vs Months 3+ (MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Non-HRP		Increase	USD	70	70	90	90
S5O	HRP		Increase	USD	77	70	99	90
Months 3+ vs Months 3+ (MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Non-HRP		Increase	USD	700	700	900	900
S5M	HRP		Increase	USD	770	700	990	900
Months 3+ vs Months 3+ (SINGAPORE FOB MARINE FUEL 0.5% (PLA)								
S5F	Non-HRP		Increase	USD	7,000	7,000	9,000	9,000
S5F	HRP		Increase	USD	7,700	7,000	9,900	9,000
Singapore Gasoil Swap - Consecutives (MINI SINGAPORE GASOIL PLATS FUTURES)								
MSG	Non-HRP		Increase	USD	40	40	48	48
MSG	HRP		Increase	USD	44	40	52	48

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Singapore Gasoil Swap - Consecutives (SINGAPORE GASOIL FUT)								
SG	Non-HRP		Increase	USD	400	400	475	475
SG	HRP		Increase	USD	440	400	523	475
Singapore Gasoil Swap - Consecutives (SYNTHETIC SINGAPORE GASOIL FUT)								
SSG	Non-HRP		Increase	USD	400	400	475	475
SSG	HRP		Increase	USD	440	400	523	475
Singapore Gasoil Swap - Months 2-8 vs 2-8 (MINI SINGAPORE GASOIL PLATS FUTURES)								
MSG	Non-HRP		Increase	USD	85	85	105	105
MSG	HRP		Increase	USD	94	85	116	105
Singapore Gasoil Swap - Months 2-8 vs 2-8 (SINGAPORE GASOIL FUT)								
SG	Non-HRP		Increase	USD	850	850	1,050	1,050
SG	HRP		Increase	USD	935	850	1,155	1,050
Singapore Gasoil Swap - Months 2-8 vs 2-8 (SYNTHETIC SINGAPORE GASOIL FUT)								
SSG	Non-HRP		Increase	USD	850	850	1,050	1,050
SSG	HRP		Increase	USD	935	850	1,155	1,050
Singapore Gasoil Swap - Months 2-8 vs Months 9+ (MINI SINGAPORE GASOIL PLATS FUTURES)								
MSG	Non-HRP		Increase	USD	90	90	125	125
MSG	HRP		Increase	USD	99	90	138	125
Singapore Gasoil Swap - Months 2-8 vs Months 9+ (SINGAPORE GASOIL FUT)								
SG	Non-HRP		Increase	USD	900	900	1,250	1,250
SG	HRP		Increase	USD	990	900	1,375	1,250
Singapore Gasoil Swap - Months 2-8 vs Months 9+ (SYNTHETIC SINGAPORE GASOIL FUT)								
SSG	Non-HRP		Increase	USD	900	900	1,250	1,250
SSG	HRP		Increase	USD	990	900	1,375	1,250
ULSD 10ppm CIF MED Swap - All Months (ULSD 10PPM CIF MED FUT)								
Z6	Non-HRP		Increase	USD	4,500	4,500	6,250	6,250
Z6	HRP		Increase	USD	4,950	4,500	6,875	6,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
MILK CLASS III (DA - CME) vs DRY WHEY (DY - CME) Tier 2						
Spread Credit Rate	Increase	+4:-1	30%	30%	40%	40%
Milk (DA) vs. CME Dry Whey Futures (DY)						
Spread Credit Rate	Increase	+4:-1	0%	0%	40%	40%
MILK CLASS III (DA - CME) vs DRY WHEY (DY - CME)						
Spread Credit Rate	Increase	+4:-1	0%	0%	40%	40%
CRUDE OIL - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	60%	60%	71%	71%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	65%	65%	69%	69%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	50%	50%	88%	88%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	72%	72%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+9:-1	83%	83%	88%	88%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	69%	69%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+2:-1	50%	50%	71%	71%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	50%	50%	72%	72%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+1:-2	48%	48%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	56%	56%	70%	70%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	89%	89%
DME Products - Inter-commodity Spread Rates						
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
INTEREST RATES - Inter-commodity Spread Rates						
10YR INTEREST RATE SWAP FUTURE ERIIS Tier 4 vs 2YR TREASURY						
Spread Credit Rate	Decrease	-1:+2	60%	60%	50%	50%
10YR INTEREST RATE SWAP FUTURE ERIIS Tier 5 vs 2YR TREASURY						
Spread Credit Rate	Decrease	+1:-2	60%	60%	50%	50%
10YR INTEREST RATE SWAP FUTURE ERIIS Tier 6 vs 2YR TREASURY						
Spread Credit Rate	Decrease	+1:-2	60%	60%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month 1 vs EURODOLLAR (ED - CME) Months 1-3						
Spread Credit Rate	Decrease	+3:-5	45%	45%	25%	25%
1M SOFR FUTURES (SR1 - CME) Month 1 vs EURODOLLAR (ED - CME) Months 4-8						
Spread Credit Rate	Decrease	+3:-5	40%	40%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	60%	60%	71%	71%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-12	70%	70%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	65%	65%	69%	69%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-12	65%	65%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-12	70%	70%	65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	72%	72%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	69%	69%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	60%	60%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+15:-2	55%	55%	52%	52%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	60%	60%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-1	33%	33%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+2:-1	50%	50%	71%	71%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Increase	+1:-1	25%	25%	35%	35%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-9	60%	60%	55%	55%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-9	60%	60%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-12	50%	50%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I)						
Spread Credit Rate	Decrease	+1:-12	65%	65%	60%	60%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+1:-2	48%	48%	55%	55%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	85%	85%
Spread Credit Rate	Decrease	+1:-1	90%	90%	85%	85%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	56%	56%	70%	70%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	89%	89%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	85%	85%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	70%	70%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	50%	50%	88%	88%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+9:-1	83%	83%	88%	88%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	60%	60%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+15:-2	55%	55%	52%	52%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	65%	65%	60%	60%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Increase	+1:-1	33%	33%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	55%	55%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Increase	+1:-1	25%	25%	35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-9	60%	60%	55%	55%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-9	60%	60%	65%	65%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	+1:-9			65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
AGRICULTURE - Volatility Scan (volScan) Rate						
RANDOM LENGTH LUMBER (LB, LB) - volScan						
Clearing Member Rate	Mnth 1	Increase		25.000%		30.000%