



19-164

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Wednesday, May 22, 2019

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Thursday, May 23, 2019.

Current rates as of:

Wednesday, May 22, 2019.

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								
BLOOMBERG COMDITY INDEX FUT MARKER (AWI)								
AWI	Spec		Decrease	USD	275	250	231	210
AWI	Hedge/Member		Decrease	USD	250	250	210	210
BLOOMBERG COMMODITY INDEX FUTURES (70)								
70	Spec		Decrease	USD	275	250	231	210
70	Hedge/Member		Decrease	USD	250	250	210	210
BLOOMBERG ROLL SELECT COMM MARKER (DRI)								
DRI	Spec		Decrease	USD	770	700	633	575
DRI	Hedge/Member		Decrease	USD	700	700	575	575
BLOOMBERG ROLL SELECT COMMDTY INDEX (DRS)								
DRS	Spec		Decrease	USD	770	700	633	575
DRS	Hedge/Member		Decrease	USD	700	700	575	575
BTIC ON BLOOMBERG COMDITY INDEX FUT (AWT)								
AWT	Spec		Decrease	USD	275	250	231	210
AWT	Hedge/Member		Decrease	USD	250	250	210	210
BTIC ON BLOOMBERG ROLL SELECT INDEX (DRT)								
DRT	Spec		Decrease	USD	770	700	633	575
DRT	Hedge/Member		Decrease	USD	700	700	575	575
BTIC ON S&P-GSCI COMMODITY INDEX (GDT)								
GDT	Spec		Decrease	USD	5,500	5,000	4,950	4,500
GDT	Hedge/Member		Decrease	USD	5,000	5,000	4,500	4,500
BTIC ON S&P-GSCI EXCESS RETURN INDE (GIT)								
GIT	Spec		Decrease	USD	1,210	1,100	990	900
GIT	Hedge/Member		Decrease	USD	1,100	1,100	900	900
BTIC ON S&P-GSCI EXCESS RETURN INDE (SET)								
SET	Spec		Decrease	USD	1,485	1,350	1,155	1,050
SET	Hedge/Member		Decrease	USD	1,350	1,350	1,050	1,050
GSCI ER FUTURES (GA)								
GA	Spec		Decrease	USD	1,210	1,100	990	900
GA	Hedge/Member		Decrease	USD	1,100	1,100	900	900
GSCI-ER 3 MTH FOWARD INX SWPS (SE3)								
SE3	Spec		Decrease	USD	1,320	1,200	990	900
SE3	Hedge/Member		Decrease	USD	1,200	1,200	900	900
OATS FUTURES (O)								

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
O	Spec	Months 1-2	Decrease	USD	798	725	715	650
O	Hedge/Member	Months 1-2	Decrease	USD	725	725	650	650
O	Spec	Months 3+	Decrease	USD	688	625	578	525
O	Hedge/Member	Months 3+	Decrease	USD	625	625	525	525
S&P GSCI ENHANCED ER SWAP FUT (RRE)								
RRE	Spec		Decrease	USD	1,375	1,250	1,210	1,100
RRE	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
S&P-GSCI COMMODITY INDEX FUTURE (GI)								
GI	Spec		Decrease	USD	5,500	5,000	4,950	4,500
GI	Hedge/Member		Decrease	USD	5,000	5,000	4,500	4,500
S&P-GSCI COMMODITY INDEX MARKER (GDM)								
GDM	Spec		Decrease	USD	5,500	5,000	4,950	4,500
GDM	Hedge/Member		Decrease	USD	5,000	5,000	4,500	4,500
S&P-GSCI EXCESS RETURN INDEX FUTURE (GII)								
GII	Spec		Decrease	USD	1,210	1,100	990	900
GII	Hedge/Member		Decrease	USD	1,100	1,100	900	900
S&P-GSCI EXCESS RETURN INDEX SWAPS (SEI)								
SEI	Spec		Decrease	USD	1,485	1,350	1,155	1,050
SEI	Hedge/Member		Decrease	USD	1,350	1,350	1,050	1,050
SP GSCI SWAP FUTURES (SES)								
SES	Spec		Decrease	USD	1,485	1,350	1,155	1,050
SES	Hedge/Member		Decrease	USD	1,350	1,350	1,050	1,050
SP GSCI-ER 2 MTH FOWARD INX SWP (SE2)								
SE2	Spec		Decrease	USD	1,320	1,200	990	900
SE2	Hedge/Member		Decrease	USD	1,200	1,200	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
DME Products - Outright Rates								
BRENT (SPORE) VS DME OMAN (BDS)								
BDS	Spec	Mnth 1	Decrease	USD	1,650	1,500	1,375	1,250
BDS	Hedge/Member	Mnth 1	Decrease	USD	1,500	1,500	1,250	1,250
BDS	Spec	Mnths 2+	Decrease	USD	1,650	1,500	1,375	1,250
BDS	Hedge/Member	Mnths 2+	Decrease	USD	1,500	1,500	1,250	1,250
DME OMAN CRUDE CAL FUT (ODO)								
ODO	Spec	Mnth 1	Decrease	USD	6,325	5,750	5,060	4,600
ODO	Hedge/Member	Mnth 1	Decrease	USD	5,750	5,750	4,600	4,600
ODO	Spec	Mnths 2-3	Decrease	USD	6,325	5,750	5,060	4,600
ODO	Hedge/Member	Mnths 2-3	Decrease	USD	5,750	5,750	4,600	4,600
ODO	Spec	Mnths 4-8	Decrease	USD	6,050	5,500	4,840	4,400
ODO	Hedge/Member	Mnths 4-8	Decrease	USD	5,500	5,500	4,400	4,400
ODO	Spec	Mnths 9+	New	USD			4,840	4,400
ODO	Hedge/Member	Mnths 9+	New	USD			4,400	4,400
DME OMAN CRUDE VS DUBAI PLATTS FUT (DDO)								
DDO	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,925	1,750
DDO	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,750	1,750
DDO	Spec	Mnths 2+	Decrease	USD	1,650	1,500	1,375	1,250
DDO	Hedge/Member	Mnths 2+	Decrease	USD	1,500	1,500	1,250	1,250
SING GAS PLAT VS DME OMAN CRK (DSG)								
DSG	Spec	Mth 1	Decrease	USD	2,200	2,000	1,925	1,750
DSG	Hedge/Member	Mth 1	Decrease	USD	2,000	2,000	1,750	1,750
DSG	Spec	Mths 2+	Decrease	USD	1,925	1,750	1,650	1,500
DSG	Hedge/Member	Mths 2+	Decrease	USD	1,750	1,750	1,500	1,500
SING GAS PLAT VS DME OMAN DUBAI CRK (DGH)								
DGH	Spec	Mth 1	Decrease	USD	2,200	2,000	1,925	1,750
DGH	Hedge/Member	Mth 1	Decrease	USD	2,000	2,000	1,750	1,750
DGH	Spec	Mths 2+	Decrease	USD	1,925	1,750	1,650	1,500
DGH	Hedge/Member	Mths 2+	Decrease	USD	1,750	1,750	1,500	1,500
SPORE JET KEROSENE VS DME OMAN (DKR)								
DKR	Spec	Mnth 1	Decrease	USD	2,035	1,850	1,870	1,700
DKR	Hedge/Member	Mnth 1	Decrease	USD	1,850	1,850	1,700	1,700
DKR	Spec	Mnths 2-6	Decrease	USD	2,035	1,850	1,760	1,600
DKR	Hedge/Member	Mnths 2-6	Decrease	USD	1,850	1,850	1,600	1,600

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

SPORE MOGAS 92UNLD(PLTS)VS DME OMAN (DDE)

DDE	Spec	Month 1	Decrease	USD	4,400	4,000	3,740	3,400
DDE	Hedge/Member	Month 1	Decrease	USD	4,000	4,000	3,400	3,400
DDE	Spec	Month 2+	Decrease	USD	4,400	4,000	3,410	3,100
DDE	Hedge/Member	Month 2+	Decrease	USD	4,000	4,000	3,100	3,100

ELECTRICITY - Outright Rates

GERMAN POWER BASELOAD CAL MONTH FUT (DEB)

DEB	Spec	Mnth 1	Decrease	EUR	3,465	3,150	3,135	2,850
DEB	Hedge/Member	Mnth 1	Decrease	EUR	3,150	3,150	2,850	2,850
DEB	Spec	Mnth 2	Decrease	EUR	3,410	3,100	2,750	2,500
DEB	Hedge/Member	Mnth 2	Decrease	EUR	3,100	3,100	2,500	2,500
DEB	Spec	Mnth 3	Decrease	EUR	2,530	2,300	2,310	2,100
DEB	Hedge/Member	Mnth 3	Decrease	EUR	2,300	2,300	2,100	2,100

GERMAN POWER PEAKLOAD CAL MONTH FUT (DEP)

DEP	Spec	Mnth 1	Decrease	EUR	1,540	1,400	1,320	1,200
DEP	Hedge/Member	Mnth 1	Decrease	EUR	1,400	1,400	1,200	1,200
DEP	Spec	Mnth 2	Decrease	EUR	1,540	1,400	1,320	1,200
DEP	Hedge/Member	Mnth 2	Decrease	EUR	1,400	1,400	1,200	1,200
DEP	Spec	Mnth 3	Decrease	EUR	1,100	1,000	935	850
DEP	Hedge/Member	Mnth 3	Decrease	EUR	1,000	1,000	850	850

ITALIAN POWER BASELOAD GME CAL FUT (ITB)

ITB	Spec	Mnth 1	Decrease	EUR	3,025	2,750	2,750	2,500
ITB	Hedge/Member	Mnth 1	Decrease	EUR	2,750	2,750	2,500	2,500
ITB	Spec	Mnth 2	Decrease	EUR	3,025	2,750	2,750	2,500
ITB	Hedge/Member	Mnth 2	Decrease	EUR	2,750	2,750	2,500	2,500
ITB	Spec	Mnth 3	Decrease	EUR	2,750	2,500	2,475	2,250
ITB	Hedge/Member	Mnth 3	Decrease	EUR	2,500	2,500	2,250	2,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EQUITY INDEX - Outright Rates								
BTIC ON DOW JONES TOT RTURN FUT (DTT)								
DTT	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DTT	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
DTT	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DTT	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
BTIC ON E-MINI DJIA FUTURES (YMT)								
YMT	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YMT	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
YMT	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YMT	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
BTIC ON S&P 500 TOTAL RETURN INDEX (TRB)								
TRB	Spec		Increase	USD	6,600	6,000	6,930	6,300
TRB	Hedge/Member		Increase	USD	6,000	6,000	6,300	6,300
BTIC SP 500 ENERGY SELECT SECTOR (XET)								
XET	Spec		Decrease	USD	3,850	3,500	3,520	3,200
XET	Hedge/Member		Decrease	USD	3,500	3,500	3,200	3,200
DOW JONES TOT RTURN FUT (DTR)								
DTR	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DTR	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
DTR	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DTR	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
DOW JONES TOT RTURN MARKER (DRM)								
DRM	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DRM	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
DRM	Spec		Decrease	USD	6,490	5,900	6,050	5,500
DRM	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
E-MINI DJIA FUTURES MARKER (YMI)								
YMI	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YMI	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
YMI	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YMI	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
E-MINI DOW (\$5) FUTURES (YM)								
YM	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YM	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500
YM	Spec		Decrease	USD	6,490	5,900	6,050	5,500
YM	Hedge/Member		Decrease	USD	5,900	5,900	5,500	5,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EMINI SP 500 ENERGY SECTOR INDEX (XAE)								
XAE	Spec		Decrease	USD	3,850	3,500	3,520	3,200
XAE	Hedge/Member		Decrease	USD	3,500	3,500	3,200	3,200
MICRO E-MINI DOW JONES AVE FUTURE (MYM)								
MYM	Spec		Decrease	USD	649	590	605	550
MYM	Hedge/Member		Decrease	USD	590	590	550	550
MYM	Spec		Decrease	USD	649	590	605	550
MYM	Hedge/Member		Decrease	USD	590	590	550	550
S&P 500 TOTAL RETURN INDEX FUTURES (TRI)								
TRI	Spec		Increase	USD	6,600	6,000	6,930	6,300
TRI	Hedge/Member		Increase	USD	6,000	6,000	6,300	6,300
S&P 500 TOTAL RETURN INDEX MARKER (TRM)								
TRM	Spec		Increase	USD	6,600	6,000	6,930	6,300
TRM	Hedge/Member		Increase	USD	6,000	6,000	6,300	6,300
SP 500 ENERGY SLCT SEC SYNTHETIC (1ET)								
1ET	Spec		Decrease	USD	3,850	3,500	3,520	3,200
1ET	Hedge/Member		Decrease	USD	3,500	3,500	3,200	3,200
FREIGHT - Outright Rates								
FREIGHT ROUTE TD3C (PLATTS) FUTURES (TD3)								
TD3	Spec		Decrease	USD	1,320	1,200	1,100	1,000
TD3	Hedge/Member		Decrease	USD	1,200	1,200	1,000	1,000
TC2 ROTTERDAM TO USAC 37K MT (TM)								
TM	Spec	Mnth 2	Decrease	USD	1,980	1,800	1,815	1,650
TM	Hedge/Member	Mnth 2	Decrease	USD	1,800	1,800	1,650	1,650
TC5 RAS TANURA TO YOKOHAMA 55K MT (TH)								
TH	Spec	Mths 2+	Decrease	USD	2,200	2,000	1,870	1,700
TH	Hedge/Member	Mths 2+	Decrease	USD	2,000	2,000	1,700	1,700
TD7 NORTH SEA TO CONTINENT 80K MT (TK)								
TK	Spec	Mnth 1	Decrease	USD	1,210	1,100	1,100	1,000
TK	Hedge/Member	Mnth 1	Decrease	USD	1,100	1,100	1,000	1,000
TK	Spec	Mnth 2+	Decrease	USD	715	650	550	500
TK	Hedge/Member	Mnth 2+	Decrease	USD	650	650	500	500
USGC TO UK CONTINENT (PLATTS) DIRTY (USE)								
USE	Spec		Decrease	USD	4,950	4,500	4,400	4,000
USE	Hedge/Member		Decrease	USD	4,500	4,500	4,000	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

INTEREST RATES - Outright Rates

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
10-YEAR ERIS SWAP FUTURES (LIY)								
LIY	Spec	Month 1	Decrease	USD	605	550	550	500
LIY	Hedge/Member	Month 1	Decrease	USD	550	550	500	500
LIY	Spec	Month 2	Decrease	USD	649	590	583	530
LIY	Hedge/Member	Month 2	Decrease	USD	590	590	530	530
LIY	Spec	Month 3	Decrease	USD	693	630	616	560
LIY	Hedge/Member	Month 3	Decrease	USD	630	630	560	560
LIY	Spec	Month 4	Decrease	USD	737	670	649	590
LIY	Hedge/Member	Month 4	Decrease	USD	670	670	590	590
LIY	Spec	Month 5	Decrease	USD	781	710	682	620
LIY	Hedge/Member	Month 5	Decrease	USD	710	710	620	620
LIY	Spec	Month 6	Decrease	USD	825	750	715	650
LIY	Hedge/Member	Month 6	Decrease	USD	750	750	650	650
LIY	Spec	Month 7	Decrease	USD	869	790	748	680
LIY	Hedge/Member	Month 7	Decrease	USD	790	790	680	680
LIY	Spec	Month 8	Decrease	USD	913	830	781	710
LIY	Hedge/Member	Month 8	Decrease	USD	830	830	710	710
LIY	Spec	Month 9	Decrease	USD	957	870	814	740
LIY	Hedge/Member	Month 9	Decrease	USD	870	870	740	740
LIY	Spec	Month 10	Decrease	USD	1,001	910	847	770
LIY	Hedge/Member	Month 10	Decrease	USD	910	910	770	770
LIY	Spec	Month 11	Decrease	USD	1,045	950	880	800
LIY	Hedge/Member	Month 11	Decrease	USD	950	950	800	800
LIY	Spec	Month 12	Decrease	USD	1,089	990	924	840
LIY	Hedge/Member	Month 12	Decrease	USD	990	990	840	840
LIY	Spec	Month 13	Decrease	USD	1,133	1,030	968	880
LIY	Hedge/Member	Month 13	Decrease	USD	1,030	1,030	880	880
LIY	Spec	Month 14	Decrease	USD	1,177	1,070	1,012	920
LIY	Hedge/Member	Month 14	Decrease	USD	1,070	1,070	920	920
LIY	Spec	Month 15	Decrease	USD	1,221	1,110	1,056	960
LIY	Hedge/Member	Month 15	Decrease	USD	1,110	1,110	960	960
LIY	Spec	Month 16	Decrease	USD	1,265	1,150	1,100	1,000
LIY	Hedge/Member	Month 16	Decrease	USD	1,150	1,150	1,000	1,000
LIY	Spec	Month 17	Decrease	USD	1,309	1,190	1,144	1,040
LIY	Hedge/Member	Month 17	Decrease	USD	1,190	1,190	1,040	1,040
LIY	Spec	Month 18	Decrease	USD	1,353	1,230	1,188	1,080
LIY	Hedge/Member	Month 18	Decrease	USD	1,230	1,230	1,080	1,080
LIY	Spec	Month 19	Decrease	USD	1,397	1,270	1,232	1,120
LIY	Hedge/Member	Month 19	Decrease	USD	1,270	1,270	1,120	1,120
LIY	Spec	Month 20	Decrease	USD	1,441	1,310	1,276	1,160

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LIY	Hedge/Member	Month 20	Decrease	USD	1,310	1,310	1,160	1,160
LIY	Spec	Month 21	Decrease	USD	1,485	1,350	1,320	1,200
LIY	Hedge/Member	Month 21	Decrease	USD	1,350	1,350	1,200	1,200
LIY	Spec	Month 22	Decrease	USD	1,529	1,390	1,364	1,240
LIY	Hedge/Member	Month 22	Decrease	USD	1,390	1,390	1,240	1,240
LIY	Spec	Month 23	Decrease	USD	1,573	1,430	1,408	1,280
LIY	Hedge/Member	Month 23	Decrease	USD	1,430	1,430	1,280	1,280
LIY	Spec	Month 24	Decrease	USD	1,617	1,470	1,452	1,320
LIY	Hedge/Member	Month 24	Decrease	USD	1,470	1,470	1,320	1,320
LIY	Spec	Month 25	Decrease	USD	1,661	1,510	1,496	1,360
LIY	Hedge/Member	Month 25	Decrease	USD	1,510	1,510	1,360	1,360
LIY	Spec	Month 26	Decrease	USD	1,705	1,550	1,540	1,400
LIY	Hedge/Member	Month 26	Decrease	USD	1,550	1,550	1,400	1,400
LIY	Spec	Month 27	Decrease	USD	1,705	1,550	1,540	1,400
LIY	Hedge/Member	Month 27	Decrease	USD	1,550	1,550	1,400	1,400
LIY	Spec	Month 28	Decrease	USD	1,705	1,550	1,540	1,400
LIY	Hedge/Member	Month 28	Decrease	USD	1,550	1,550	1,400	1,400
LIY	Spec	Months 29+	Decrease	USD	1,705	1,550	1,540	1,400
LIY	Hedge/Member	Months 29+	Decrease	USD	1,550	1,550	1,400	1,400
10-YEAR USD MAC SWAP FUTURES (N1U)								
N1U	Spec		Decrease	USD	1,650	1,500	1,540	1,400
N1U	Hedge/Member		Decrease	USD	1,500	1,500	1,400	1,400
12-YEAR ERIS SWAP FUTURES (LII)								
LII	Spec	All Months	Decrease	USD	1,925	1,750	1,760	1,600
LII	Hedge/Member	All Months	Decrease	USD	1,750	1,750	1,600	1,600
15-YEAR ERIS SWAP FUTURES (LIL)								
LIL	Spec	All Months	Decrease	USD	2,310	2,100	2,090	1,900
LIL	Hedge/Member	All Months	Decrease	USD	2,100	2,100	1,900	1,900
20-YEAR ERIS SWAP FUTURES (LIO)								
LIO	Spec	Months 13+	Decrease	USD	2,585	2,350	2,310	2,100
LIO	Hedge/Member	Months 13+	Decrease	USD	2,350	2,350	2,100	2,100
20-YEAR USD MAC SWAP FUTURES (E1U)								
E1U	Spec		Decrease	USD	2,585	2,350	2,310	2,100
E1U	Hedge/Member		Decrease	USD	2,350	2,350	2,100	2,100

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	Spec	Month 2	Decrease	USD	28	25	22	20
LIT	Hedge/Member	Month 2	Decrease	USD	25	25	20	20
LIT	Spec	Month 3	Decrease	USD	55	50	44	40
LIT	Hedge/Member	Month 3	Decrease	USD	50	50	40	40
LIT	Spec	Month 4	Decrease	USD	110	100	83	75
LIT	Hedge/Member	Month 4	Decrease	USD	100	100	75	75
LIT	Spec	Month 5	Decrease	USD	165	150	127	115
LIT	Hedge/Member	Month 5	Decrease	USD	150	150	115	115
LIT	Spec	Month 6	Decrease	USD	220	200	182	165
LIT	Hedge/Member	Month 6	Decrease	USD	200	200	165	165
LIT	Spec	Month 7	Decrease	USD	275	250	237	215
LIT	Hedge/Member	Month 7	Decrease	USD	250	250	215	215
LIT	Spec	Month 8	Decrease	USD	330	300	292	265
LIT	Hedge/Member	Month 8	Decrease	USD	300	300	265	265
LIT	Spec	Month 9	Decrease	USD	385	350	347	315
LIT	Hedge/Member	Month 9	Decrease	USD	350	350	315	315
LIT	Spec	Month 10	Decrease	USD	385	350	347	315
LIT	Hedge/Member	Month 10	Decrease	USD	350	350	315	315
LIT	Spec	Month 11	Decrease	USD	385	350	347	315
LIT	Hedge/Member	Month 11	Decrease	USD	350	350	315	315
2-YEAR USD MAC SWAP FUTURES (T1U)								
T1U	Spec		Decrease	USD	440	400	347	315
T1U	Hedge/Member		Decrease	USD	400	400	315	315
30-YEAR ERIS SWAP FUTURES (LIE)								
LIE	Spec	All Months	Decrease	USD	3,300	3,000	2,860	2,600
LIE	Hedge/Member	All Months	Decrease	USD	3,000	3,000	2,600	2,600
30-YEAR USD MAC SWAP FUTURES (B1U)								
B1U	Spec		Decrease	USD	3,300	3,000	2,860	2,600
B1U	Hedge/Member		Decrease	USD	3,000	3,000	2,600	2,600

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 SWAP FUTURES (LID)

LID	Spec	Month 1	Decrease	USD	127	115	110	100
LID	Hedge/Member	Month 1	Decrease	USD	115	115	100	100
LID	Spec	Month 2	Decrease	USD	165	150	138	125
LID	Hedge/Member	Month 2	Decrease	USD	150	150	125	125
LID	Spec	Month 3	Decrease	USD	209	190	165	150
LID	Hedge/Member	Month 3	Decrease	USD	190	190	150	150
LID	Spec	Month 4	Decrease	USD	253	230	209	190
LID	Hedge/Member	Month 4	Decrease	USD	230	230	190	190
LID	Spec	Month 5	Decrease	USD	297	270	253	230
LID	Hedge/Member	Month 5	Decrease	USD	270	270	230	230
LID	Spec	Month 6	Decrease	USD	341	310	297	270
LID	Hedge/Member	Month 6	Decrease	USD	310	310	270	270
LID	Spec	Month 7	Decrease	USD	385	350	341	310
LID	Hedge/Member	Month 7	Decrease	USD	350	350	310	310
LID	Spec	Month 8	Decrease	USD	429	390	385	350
LID	Hedge/Member	Month 8	Decrease	USD	390	390	350	350
LID	Spec	Month 9	Decrease	USD	473	430	429	390
LID	Hedge/Member	Month 9	Decrease	USD	430	430	390	390
LID	Spec	Month 10	Decrease	USD	517	470	473	430
LID	Hedge/Member	Month 10	Decrease	USD	470	470	430	430
LID	Spec	Month 11	Decrease	USD	561	510	517	470
LID	Hedge/Member	Month 11	Decrease	USD	510	510	470	470
LID	Spec	Month 12	Decrease	USD	605	550	561	510
LID	Hedge/Member	Month 12	Decrease	USD	550	550	510	510
LID	Spec	Month 13	Decrease	USD	649	590	583	530
LID	Hedge/Member	Month 13	Decrease	USD	590	590	530	530
LID	Spec	Month 14	Decrease	USD	649	590	583	530
LID	Hedge/Member	Month 14	Decrease	USD	590	590	530	530
LID	Spec	Month 15+	Decrease	USD	649	590	583	530
LID	Hedge/Member	Month 15+	Decrease	USD	590	590	530	530

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	Spec	Month 4	Decrease	USD	110	100	83	75
LIW	Hedge/Member	Month 4	Decrease	USD	100	100	75	75
LIW	Spec	Month 5	Decrease	USD	165	150	138	125
LIW	Hedge/Member	Month 5	Decrease	USD	150	150	125	125
LIW	Spec	Month 6	Decrease	USD	220	200	198	180
LIW	Hedge/Member	Month 6	Decrease	USD	200	200	180	180
LIW	Spec	Month 7	Decrease	USD	275	250	248	225
LIW	Hedge/Member	Month 7	Decrease	USD	250	250	225	225
LIW	Spec	Month 8	Decrease	USD	330	300	286	260
LIW	Hedge/Member	Month 8	Decrease	USD	300	300	260	260
LIW	Spec	Month 9	Decrease	USD	385	350	325	295
LIW	Hedge/Member	Month 9	Decrease	USD	350	350	295	295
LIW	Spec	Month 10	Decrease	USD	440	400	363	330
LIW	Hedge/Member	Month 10	Decrease	USD	400	400	330	330
LIW	Spec	Month 11	Decrease	USD	495	450	402	365
LIW	Hedge/Member	Month 11	Decrease	USD	450	450	365	365
LIW	Spec	Month 12	Decrease	USD	550	500	440	400
LIW	Hedge/Member	Month 12	Decrease	USD	500	500	400	400
LIW	Spec	Month 13	Decrease	USD	605	550	479	435
LIW	Hedge/Member	Month 13	Decrease	USD	550	550	435	435
LIW	Spec	Month 14	Decrease	USD	605	550	517	470
LIW	Hedge/Member	Month 14	Decrease	USD	550	550	470	470
LIW	Spec	Month 15	Decrease	USD	660	600	556	505
LIW	Hedge/Member	Month 15	Decrease	USD	600	600	505	505
LIW	Spec	Month 16	Decrease	USD	660	600	594	540
LIW	Hedge/Member	Month 16	Decrease	USD	600	600	540	540
LIW	Spec	Month 17	Decrease	USD	715	650	633	575
LIW	Hedge/Member	Month 17	Decrease	USD	650	650	575	575
LIW	Spec	Month 18	Decrease	USD	715	650	671	610
LIW	Hedge/Member	Month 18	Decrease	USD	650	650	610	610
LIW	Spec	Month 19	Decrease	USD	743	675	710	645
LIW	Hedge/Member	Month 19	Decrease	USD	675	675	645	645
LIW	Spec	Month 20	Decrease	USD	743	675	710	645
LIW	Hedge/Member	Month 20	Decrease	USD	675	675	645	645
LIW	Spec	Month 21	Decrease	USD	748	680	715	650
LIW	Hedge/Member	Month 21	Decrease	USD	680	680	650	650
LIW	Spec	Month 22	Decrease	USD	748	680	715	650
LIW	Hedge/Member	Month 22	Decrease	USD	680	680	650	650
LIW	Spec	Months 23+	Decrease	USD	748	680	715	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

LIW	Hedge/Member	Months 23+	Decrease	USD	680	680	650	650
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5-YEAR USD MAC SWAP FUTURES (F1U)

F1U	Spec		Decrease	USD	770	700	715	650
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F1U	Hedge/Member		Decrease	USD	700	700	650	650
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
7-YEAR ERIS SWAP FUTURES (LIB)								
LIB	Spec	Month 1	Decrease	USD	275	250	226	205
LIB	Hedge/Member	Month 1	Decrease	USD	250	250	205	205
LIB	Spec	Month 2	Decrease	USD	314	285	259	235
LIB	Hedge/Member	Month 2	Decrease	USD	285	285	235	235
LIB	Spec	Month 3	Decrease	USD	358	325	292	265
LIB	Hedge/Member	Month 3	Decrease	USD	325	325	265	265
LIB	Spec	Month 4	Decrease	USD	402	365	325	295
LIB	Hedge/Member	Month 4	Decrease	USD	365	365	295	295
LIB	Spec	Month 5	Decrease	USD	446	405	358	325
LIB	Hedge/Member	Month 5	Decrease	USD	405	405	325	325
LIB	Spec	Month 6	Decrease	USD	490	445	396	360
LIB	Hedge/Member	Month 6	Decrease	USD	445	445	360	360
LIB	Spec	Month 7	Decrease	USD	534	485	435	395
LIB	Hedge/Member	Month 7	Decrease	USD	485	485	395	395
LIB	Spec	Month 8	Decrease	USD	578	525	473	430
LIB	Hedge/Member	Month 8	Decrease	USD	525	525	430	430
LIB	Spec	Month 9	Decrease	USD	622	565	512	465
LIB	Hedge/Member	Month 9	Decrease	USD	565	565	465	465
LIB	Spec	Month 10	Decrease	USD	666	605	550	500
LIB	Hedge/Member	Month 10	Decrease	USD	605	605	500	500
LIB	Spec	Month 11	Decrease	USD	710	645	589	535
LIB	Hedge/Member	Month 11	Decrease	USD	645	645	535	535
LIB	Spec	Month 12	Decrease	USD	754	685	627	570
LIB	Hedge/Member	Month 12	Decrease	USD	685	685	570	570
LIB	Spec	Month 13	Decrease	USD	798	725	666	605
LIB	Hedge/Member	Month 13	Decrease	USD	725	725	605	605
LIB	Spec	Month 14	Decrease	USD	842	765	704	640
LIB	Hedge/Member	Month 14	Decrease	USD	765	765	640	640
LIB	Spec	Month 15	Decrease	USD	886	805	743	675
LIB	Hedge/Member	Month 15	Decrease	USD	805	805	675	675
LIB	Spec	Month 16	Decrease	USD	930	845	781	710
LIB	Hedge/Member	Month 16	Decrease	USD	845	845	710	710
LIB	Spec	Month 17	Decrease	USD	974	885	820	745
LIB	Hedge/Member	Month 17	Decrease	USD	885	885	745	745
LIB	Spec	Month 18	Decrease	USD	1,018	925	858	780
LIB	Hedge/Member	Month 18	Decrease	USD	925	925	780	780
LIB	Spec	Month 19	Decrease	USD	1,062	965	897	815
LIB	Hedge/Member	Month 19	Decrease	USD	965	965	815	815
LIB	Spec	Month 20	Decrease	USD	1,100	1,000	935	850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LIB	Hedge/Member	Month 20	Decrease	USD	1,000	1,000	850	850
LIB	Spec	Month 21	Decrease	USD	1,100	1,000	935	850
LIB	Hedge/Member	Month 21	Decrease	USD	1,000	1,000	850	850
LIB	Spec	Month 22	Decrease	USD	1,100	1,000	935	850
LIB	Hedge/Member	Month 22	Decrease	USD	1,000	1,000	850	850
LIB	Spec	Month 23	Decrease	USD	1,100	1,000	935	850
LIB	Hedge/Member	Month 23	Decrease	USD	1,000	1,000	850	850
LIB	Spec	Month 24	Decrease	USD	1,100	1,000	935	850
LIB	Hedge/Member	Month 24	Decrease	USD	1,000	1,000	850	850
LIB	Spec	Month 25	Decrease	USD	1,100	1,000	935	850
LIB	Hedge/Member	Month 25	Decrease	USD	1,000	1,000	850	850
7-YEAR USD MAC SWAP FUTURES (S1U)								
S1U	Spec		Decrease	USD	1,320	1,200	935	850
S1U	Hedge/Member		Decrease	USD	1,200	1,200	850	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

METALS - Outright Rates

ALUMINUM MW TRANS PREM PLATTS FUT (AUP)

AUP	Spec	Mth 1	Increase	USD	704	640	798	725
AUP	Hedge/Member	Mth 1	Increase	USD	640	640	725	725
AUP	Spec	Mths 2-12	Increase	USD	704	640	798	725
AUP	Hedge/Member	Mths 2-12	Increase	USD	640	640	725	725
AUP	Spec	Mths 13-21	Increase	USD	748	680	825	750
AUP	Hedge/Member	Mths 13-21	Increase	USD	680	680	750	750
AUP	Spec	22+	Increase	USD	748	680	825	750
AUP	Hedge/Member	22+	Increase	USD	680	680	750	750

E-MICRO PALLADIUM FUTURES (PAM)

PAM	Spec	Mnth 1	Increase	USD	1,183	1,075	1,293	1,175
PAM	Hedge/Member	Mnth 1	Increase	USD	1,075	1,075	1,175	1,175
PAM	Spec	Mnth 2	Increase	USD	1,100	1,000	1,210	1,100
PAM	Hedge/Member	Mnth 2	Increase	USD	1,000	1,000	1,100	1,100
PAM	Spec	Mnth 3	Increase	USD	990	900	1,100	1,000
PAM	Hedge/Member	Mnth 3	Increase	USD	900	900	1,000	1,000
PAM	Spec	Mnth 4+	Increase	USD	990	900	1,100	1,000
PAM	Hedge/Member	Mnth 4+	Increase	USD	900	900	1,000	1,000

NYMEX HOT ROLLED STEEL FUTURES (HR)

HR	Spec	Mnths 2 - 7	Increase	USD	435	395	468	425
HR	Hedge/Member	Mnths 2 - 7	Increase	USD	395	395	425	425
HR	Spec	Mnths 8+	Increase	USD	523	475	578	525
HR	Hedge/Member	Mnths 8+	Increase	USD	475	475	525	525
HR	Spec	Mnth 1	Increase	USD	435	395	468	425
HR	Hedge/Member	Mnth 1	Increase	USD	395	395	425	425

PALLADIUM FUTURES NYMEX (PA)

PA	Spec	Mnth 1	Increase	USD	11,825	10,750	12,925	11,750
PA	Hedge/Member	Mnth 1	Increase	USD	10,750	10,750	11,750	11,750
PA	Spec	Mnth 2	Increase	USD	11,000	10,000	12,100	11,000
PA	Hedge/Member	Mnth 2	Increase	USD	10,000	10,000	11,000	11,000
PA	Spec	Mnth 3	Increase	USD	9,900	9,000	11,000	10,000
PA	Hedge/Member	Mnth 3	Increase	USD	9,000	9,000	10,000	10,000
PA	Spec	Mnth 4+	Increase	USD	9,900	9,000	11,000	10,000
PA	Hedge/Member	Mnth 4+	Increase	USD	9,000	9,000	10,000	10,000

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

PALLADIUM TAS (PAT)

PAT	Spec	Mnth 1	Increase	USD	11,825	10,750	12,925	11,750
PAT	Hedge/Member	Mnth 1	Increase	USD	10,750	10,750	11,750	11,750
PAT	Spec	Mnth 2	Increase	USD	11,000	10,000	12,100	11,000
PAT	Hedge/Member	Mnth 2	Increase	USD	10,000	10,000	11,000	11,000
PAT	Spec	Mnth 3	Increase	USD	9,900	9,000	11,000	10,000
PAT	Hedge/Member	Mnth 3	Increase	USD	9,000	9,000	10,000	10,000
PAT	Spec	Mnth 4+	Increase	USD	9,900	9,000	11,000	10,000
PAT	Hedge/Member	Mnth 4+	Increase	USD	9,000	9,000	10,000	10,000

PLATINUM FUTURES NYMEX (PL)

PL	Spec	Mths 1	Increase	USD	1,650	1,500	1,870	1,700
PL	Hedge/Member	Mths 1	Increase	USD	1,500	1,500	1,700	1,700
PL	Spec	Mths 2+	Increase	USD	1,650	1,500	1,870	1,700
PL	Hedge/Member	Mths 2+	Increase	USD	1,500	1,500	1,700	1,700

PLATINUM FUTURES TAS (PLT)

PLT	Spec	Mths 1	Increase	USD	1,650	1,500	1,870	1,700
PLT	Hedge/Member	Mths 1	Increase	USD	1,500	1,500	1,700	1,700
PLT	Spec	Mths 2+	Increase	USD	1,650	1,500	1,870	1,700
PLT	Hedge/Member	Mths 2+	Increase	USD	1,500	1,500	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								
NATURAL GAS - Outright Rates								
DUTCH TTF NATURAL GAS CAL MONTH FUT (TTF)								
TTF	Spec	Mnth 1	Decrease	EUR	1,155	1,050	1,045	950
TTF	Hedge/Member	Mnth 1	Decrease	EUR	1,050	1,050	950	950
TTF	Spec	Mnth 2	Decrease	EUR	1,155	1,050	1,045	950
TTF	Hedge/Member	Mnth 2	Decrease	EUR	1,050	1,050	950	950
TTF	Spec	Mnth 3	Decrease	EUR	1,155	1,050	1,045	950
TTF	Hedge/Member	Mnth 3	Decrease	EUR	1,050	1,050	950	950
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Spec	Mnth 1	Decrease	USD	5,720	5,200	4,730	4,300
TTE	Hedge/Member	Mnth 1	Decrease	USD	5,200	5,200	4,300	4,300
TTE	Spec	Mnths 2	Decrease	USD	5,170	4,700	4,730	4,300
TTE	Hedge/Member	Mnths 2	Decrease	USD	4,700	4,700	4,300	4,300
TTE	Spec	Mnths 3+	Decrease	USD	4,730	4,300	4,510	4,100
TTE	Hedge/Member	Mnths 3+	Decrease	USD	4,300	4,300	4,100	4,100
HENRY HUB TTF NAT GAS SPREAD FUTURE (NYP)								
NYP	Spec	Mnth 1	Decrease	USD	7,700	7,000	6,875	6,250
NYP	Hedge/Member	Mnth 1	Decrease	USD	7,000	7,000	6,250	6,250
NYP	Spec	Mnths 2	Decrease	USD	7,150	6,500	6,325	5,750
NYP	Hedge/Member	Mnths 2	Decrease	USD	6,500	6,500	5,750	5,750
NYP	Spec	Mnths 3+	Decrease	USD	6,600	6,000	5,775	5,250
NYP	Hedge/Member	Mnths 3+	Decrease	USD	6,000	6,000	5,250	5,250
HENRY HUB TTF NAT GAS SPREAD FUTURE (THD)								
THD	Spec	Mnth 1	Decrease	USD	7,370	6,700	6,545	5,950
THD	Hedge/Member	Mnth 1	Decrease	USD	6,700	6,700	5,950	5,950
THD	Spec	Mnths 2	Decrease	USD	6,600	6,000	5,775	5,250
THD	Hedge/Member	Mnths 2	Decrease	USD	6,000	6,000	5,250	5,250
THD	Spec	Mnths 3+	Decrease	USD	6,050	5,500	5,225	4,750
THD	Hedge/Member	Mnths 3+	Decrease	USD	5,500	5,500	4,750	4,750
UK NBP NAT GAS CAL MTH FUT (UKG)								
UKG	Spec	Mnth 1	Decrease	GBP	1,430	1,300	1,265	1,150
UKG	Hedge/Member	Mnth 1	Decrease	GBP	1,300	1,300	1,150	1,150
UKG	Spec	Mnth 2	Decrease	GBP	1,430	1,300	1,265	1,150
UKG	Hedge/Member	Mnth 2	Decrease	GBP	1,300	1,300	1,150	1,150
UK NBP NATURAL GAS FRONT MTH FUT (NBP)								
NBP	Spec	Mnth 1	Decrease	USD	6,050	5,500	5,500	5,000
NBP	Hedge/Member	Mnth 1	Decrease	USD	5,500	5,500	5,000	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
1% FOIL(PLTS) CARGOES FOB NWE CRACK (FVB)								
FVB	Spec	Mnth 1	Increase	USD	9,081	8,255	11,875	10,795
FVB	Hedge/Member	Mnth 1	Increase	USD	8,255	8,255	10,795	10,795
FVB	Spec	Mnth 2	Increase	USD	9,081	8,255	11,875	10,795
FVB	Hedge/Member	Mnth 2	Increase	USD	8,255	8,255	10,795	10,795
FVB	Spec	Mnths 3+	Increase	USD	8,382	7,620	11,176	10,160
FVB	Hedge/Member	Mnths 3+	Increase	USD	7,620	7,620	10,160	10,160
EURO DIESEL 10PPM VS. ICE (ET)								
ET	Spec	Mnths 1	Decrease	USD	2,750	2,500	2,200	2,000
ET	Hedge/Member	Mnths 1	Decrease	USD	2,500	2,500	2,000	2,000
ET	Spec	Mnth 2	Decrease	USD	1,925	1,750	1,650	1,500
ET	Hedge/Member	Mnth 2	Decrease	USD	1,750	1,750	1,500	1,500
FUEL OIL NWE CRACK VS. ICE (FI)								
FI	Spec	Mnth 1	Increase	USD	1,430	1,300	1,870	1,700
FI	Hedge/Member	Mnth 1	Increase	USD	1,300	1,300	1,700	1,700
FI	Spec	Mnth 2	Increase	USD	1,430	1,300	1,870	1,700
FI	Hedge/Member	Mnth 2	Increase	USD	1,300	1,300	1,700	1,700
FI	Spec	Mnths 3+	Increase	USD	1,320	1,200	1,760	1,600
FI	Hedge/Member	Mnths 3+	Increase	USD	1,200	1,200	1,600	1,600
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Spec	Mnth 1	Increase	USD	2,860	2,600	3,685	3,350
FS	Hedge/Member	Mnth 1	Increase	USD	2,600	2,600	3,350	3,350
FS	Spec	Mnth 2	Increase	USD	2,860	2,600	3,685	3,350
FS	Hedge/Member	Mnth 2	Increase	USD	2,600	2,600	3,350	3,350
FS	Spec	Mnths 3-8	Increase	USD	2,310	2,100	3,025	2,750
FS	Hedge/Member	Mnths 3-8	Increase	USD	2,100	2,100	2,750	2,750
FS	Spec	Mnths 9-11	Increase	USD	4,675	4,250	6,050	5,500
FS	Hedge/Member	Mnths 9-11	Increase	USD	4,250	4,250	5,500	5,500
GAS EBOB OXY BARGES VS EURO NAPHTHA (EGN)								
EGN	Spec	Mnth 2	Increase	USD	12,650	11,500	14,850	13,500
EGN	Hedge/Member	Mnth 2	Increase	USD	11,500	11,500	13,500	13,500
GAS EUROBOB NON OXY BARGES(ARG) CRA (GNS)								
GNS	Spec	Mnth 2-6	Decrease	USD	3,300	3,000	2,750	2,500
GNS	Hedge/Member	Mnth 2-6	Decrease	USD	3,000	3,000	2,500	2,500
GNS	Spec	Mnths 7+	Decrease	USD	3,080	2,800	2,530	2,300
GNS	Hedge/Member	Mnths 7+	Decrease	USD	2,800	2,800	2,300	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GAS EUROBOB NON-OXY VS OXY NWE FUT (GES)								
GES	Spec	Mnth 1	Decrease	USD	10,450	9,500	8,800	8,000
GES	Hedge/Member	Mnth 1	Decrease	USD	9,500	9,500	8,000	8,000
GES	Spec	Mnths 2-6	Decrease	USD	10,450	9,500	8,250	7,500
GES	Hedge/Member	Mnths 2-6	Decrease	USD	9,500	9,500	7,500	7,500
GES	Spec	Mnths 7+	Decrease	USD	10,450	9,500	8,250	7,500
GES	Hedge/Member	Mnths 7+	Decrease	USD	9,500	9,500	7,500	7,500
GC ULSD CRK SPD (ARGUS) (CF)								
CF	Spec		Decrease	USD	2,200	2,000	1,925	1,750
CF	Hedge/Member		Decrease	USD	2,000	2,000	1,750	1,750
GLFCST JET PLATTS UP/DN FUT (ME)								
ME	Spec	Mnth 2	Decrease	USD	578	525	495	450
ME	Hedge/Member	Mnth 2	Decrease	USD	525	525	450	450
GLFCST NO.2 PLATTS FIN UP/DN FUT (UT)								
UT	Spec	Mnth 1	Decrease	USD	1,100	1,000	935	850
UT	Hedge/Member	Mnth 1	Decrease	USD	1,000	1,000	850	850
UT	Spec	Mnths 2-3	Decrease	USD	990	900	825	750
UT	Hedge/Member	Mnths 2-3	Decrease	USD	900	900	750	750
UT	Spec	Mnths 4+	Decrease	USD	880	800	770	700
UT	Hedge/Member	Mnths 4+	Decrease	USD	800	800	700	700
GLFCST ULSD ARGUS UP/DN FUT (US)								
US	Spec	Mnth 1	Decrease	USD	990	900	891	810
US	Hedge/Member	Mnth 1	Decrease	USD	900	900	810	810
US	Spec	Mnths 2+	Decrease	USD	825	750	715	650
US	Hedge/Member	Mnths 2+	Decrease	USD	750	750	650	650
JET BARGES VS. ICE GASOIL FUT (JR)								
JR	Spec	Mnth 1	Decrease	USD	6,600	6,000	6,050	5,500
JR	Hedge/Member	Mnth 1	Decrease	USD	6,000	6,000	5,500	5,500
JR	Spec	Mnth 2	Decrease	USD	6,050	5,500	4,950	4,500
JR	Hedge/Member	Mnth 2	Decrease	USD	5,500	5,500	4,500	4,500
JR	Spec	Mnth 3+	Decrease	USD	4,950	4,500	3,850	3,500
JR	Hedge/Member	Mnth 3+	Decrease	USD	4,500	4,500	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MIN JET KERO BRGES FOB RDAM VS GSL (MJB)								
MJB	Spec	Mnth 1	Decrease	USD	660	600	605	550
MJB	Hedge/Member	Mnth 1	Decrease	USD	600	600	550	550
MJB	Spec	Mnth 2	Decrease	USD	605	550	495	450
MJB	Hedge/Member	Mnth 2	Decrease	USD	550	550	450	450
MJB	Spec	Mnth 3+	Decrease	USD	495	450	385	350
MJB	Hedge/Member	Mnth 3+	Decrease	USD	450	450	350	350
MIN ULSD 10PPM CRGS CIF NWE VS GSL (MGN)								
MGN	Spec	Mnths 5+	Increase	USD	52	48	58	53
MGN	Hedge/Member	Mnths 5+	Increase	USD	48	48	53	53
MINI 1% FUEL OIL CARGO CRACK (MNS)								
MNS	Spec	Mnth 1	Increase	USD	908	826	1,187	1,080
MNS	Hedge/Member	Mnth 1	Increase	USD	826	826	1,080	1,080
MNS	Spec	Mnth 2	Increase	USD	908	826	1,187	1,080
MNS	Hedge/Member	Mnth 2	Increase	USD	826	826	1,080	1,080
MNS	Spec	Mnths 3+	Increase	USD	838	762	1,118	1,016
MNS	Hedge/Member	Mnths 3+	Increase	USD	762	762	1,016	1,016
MINI EUR DIESEL10PPM VS ICE GS FUT (MUD)								
MUD	Spec	Mnths 1	Decrease	USD	275	250	220	200
MUD	Hedge/Member	Mnths 1	Decrease	USD	250	250	200	200
MUD	Spec	Mnth 2	Decrease	USD	193	175	165	150
MUD	Hedge/Member	Mnth 2	Decrease	USD	175	175	150	150
MINI NAPHTHA CAR CIF CRK SPD 100MT (NCC)								
NCC	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,870	1,700
NCC	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,700	1,700
NCC	Spec	Mnths 2+	Decrease	USD	1,320	1,200	1,100	1,000
NCC	Hedge/Member	Mnths 2+	Decrease	USD	1,200	1,200	1,000	1,000
NEW YORK FUEL OIL 1% V. EURO 1% FO (NYF)								
NYF	Spec	Mnth 1	Decrease	USD	1,320	1,200	1,210	1,100
NYF	Hedge/Member	Mnth 1	Decrease	USD	1,200	1,200	1,100	1,100
NYF	Spec	Mnth 2	Decrease	USD	1,210	1,100	1,100	1,000
NYF	Hedge/Member	Mnth 2	Decrease	USD	1,100	1,100	1,000	1,000
NYF	Spec	Mnths 3+	Increase	USD	880	800	1,045	950
NYF	Hedge/Member	Mnths 3+	Increase	USD	800	800	950	950

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NY 3% FUEL OIL V GULF COAST NO6 3% (FOC)								
FOC	Spec	Mnth 1	Decrease	USD	798	725	688	625
FOC	Hedge/Member	Mnth 1	Decrease	USD	725	725	625	625
FOC	Spec	Mnths 2-12	Decrease	USD	798	725	688	625
FOC	Hedge/Member	Mnths 2-12	Decrease	USD	725	725	625	625
FOC	Spec	Mnths 13+	Decrease	USD	798	725	688	625
FOC	Hedge/Member	Mnths 13+	Decrease	USD	725	725	625	625
NY HO (PLATTS) VS NY HRBR ULSD (YH)								
YH	Spec	Mnths 2+	Decrease	USD	1,210	1,100	990	900
YH	Hedge/Member	Mnths 2+	Decrease	USD	1,100	1,100	900	900
NY ULSD (PLATTS) VS NY HRBR FUT (UY)								
UY	Spec		Decrease	USD	715	650	605	550
UY	Hedge/Member		Decrease	USD	650	650	550	550
NY1%FO V. GULF COAST HSFO FUT (VR)								
VR	Spec	Mnth 1	Increase	USD	688	625	880	800
VR	Hedge/Member	Mnth 1	Increase	USD	625	625	800	800
VR	Spec	Mnths 2-6	Increase	USD	523	475	688	625
VR	Hedge/Member	Mnths 2-6	Increase	USD	475	475	625	625
VR	Spec	Mnths 7-12	Increase	USD	633	575	798	725
VR	Hedge/Member	Mnths 7-12	Increase	USD	575	575	725	725
SING GAS 500 PPM (PLATTS) VS. LOW S (SGG)								
SGG	Spec	Mnth 1	Decrease	USD	825	750	660	600
SGG	Hedge/Member	Mnth 1	Decrease	USD	750	750	600	600
SGG	Spec	Mnth 2	Decrease	USD	880	800	660	600
SGG	Hedge/Member	Mnth 2	Decrease	USD	800	800	600	600
SGG	Spec	Mnths 3-6	Decrease	USD	550	500	440	400
SGG	Hedge/Member	Mnths 3-6	Decrease	USD	500	500	400	400
SGG	Spec	Mnths 6+	Decrease	USD	495	450	385	350
SGG	Hedge/Member	Mnths 6+	Decrease	USD	450	450	350	350
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Spec	Mnth 2	Increase	USD	1,650	1,500	1,870	1,700
SD	Hedge/Member	Mnth 2	Increase	USD	1,500	1,500	1,700	1,700
SD	Spec	Mnths 3-6	Increase	USD	1,210	1,100	1,375	1,250
SD	Hedge/Member	Mnths 3-6	Increase	USD	1,100	1,100	1,250	1,250
ULSD 10PPM V. ICE FUT (TP)								
TP	Spec	Mnths 5+	Increase	USD	523	475	578	525
TP	Hedge/Member	Mnths 5+	Increase	USD	475	475	525	525

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								
1% FUEL OIL (PLT) CARG CIF MED (1W)								
1W	Spec	Mth 1	Decrease	USD	33,000	30,000	27,500	25,000
1W	Hedge/Member	Mth 1	Decrease	USD	30,000	30,000	25,000	25,000
1W	Spec	Mths 2+	Decrease	USD	33,000	30,000	27,500	25,000
1W	Hedge/Member	Mths 2+	Decrease	USD	30,000	30,000	25,000	25,000
1% FUEL OIL (PLT) CARG CIF NWE (1X)								
1X	Spec		Decrease	USD	27,225	24,750	23,650	21,500
1X	Hedge/Member		Decrease	USD	24,750	24,750	21,500	21,500
CHICAGO UNLEADED GAS(PLATTS) S (2C)								
2C	Spec		Increase	USD	5,225	4,750	5,720	5,200
2C	Hedge/Member		Increase	USD	4,750	4,750	5,200	5,200
EIA FLAT TAX ONHWAY DIESEL FUT (A5)								
A5	Spec	Mnths 2-6	Increase	USD	3,960	3,600	4,290	3,900
A5	Hedge/Member	Mnths 2-6	Increase	USD	3,600	3,600	3,900	3,900
A5	Spec	Mnths 7+	Increase	USD	3,850	3,500	4,180	3,800
A5	Hedge/Member	Mnths 7+	Increase	USD	3,500	3,500	3,800	3,800
EUR 0.5% VS. EUR 3.5% (R53)								
R53	Spec	Month 1	Decrease	USD	15,675	14,250	14,025	12,750
R53	Hedge/Member	Month 1	Decrease	USD	14,250	14,250	12,750	12,750
R53	Spec	Month 2	Decrease	USD	15,675	14,250	14,025	12,750
R53	Hedge/Member	Month 2	Decrease	USD	14,250	14,250	12,750	12,750
R53	Spec	Month 3+	Decrease	USD	15,400	14,000	13,750	12,500
R53	Hedge/Member	Month 3+	Decrease	USD	14,000	14,000	12,500	12,500
EUROBOB GAS10PPM (PLTS) RD FOB (7P)								
7P	Spec	Mnth 1	Decrease	USD	42,900	39,000	39,050	35,500
7P	Hedge/Member	Mnth 1	Decrease	USD	39,000	39,000	35,500	35,500
7P	Spec	Mnths 2+	Decrease	USD	42,900	39,000	39,050	35,500
7P	Hedge/Member	Mnths 2+	Decrease	USD	39,000	39,000	35,500	35,500
EUROPEAN FOB RDAM MARINE FUEL 0.5% (R5F)								
R5F	Spec	Month 2	Decrease	USD	33,000	30,000	29,700	27,000
R5F	Hedge/Member	Month 2	Decrease	USD	30,000	30,000	27,000	27,000
R5F	Spec	Month 3+	Decrease	USD	31,900	29,000	28,600	26,000
R5F	Hedge/Member	Month 3+	Decrease	USD	29,000	29,000	26,000	26,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GAS EUROBOB NON OXY (ARG) NWE BRG (GNO)								
GNO	Spec	Mnth 1	Decrease	USD	46,200	42,000	39,600	36,000
GNO	Hedge/Member	Mnth 1	Decrease	USD	42,000	42,000	36,000	36,000
GNO	Spec	Mnths 2-6	Decrease	USD	45,540	41,400	37,400	34,000
GNO	Hedge/Member	Mnths 2-6	Decrease	USD	41,400	41,400	34,000	34,000
GNO	Spec	Mnths 7+	Decrease	USD	43,010	39,100	34,870	31,700
GNO	Hedge/Member	Mnths 7+	Decrease	USD	39,100	39,100	31,700	31,700
GAS EURO-BOB OXY (ARG) NEW BRG (7H)								
7H	Spec	Mnths 7-12	Decrease	USD	28,600	26,000	26,675	24,250
7H	Hedge/Member	Mnths 7-12	Decrease	USD	26,000	26,000	24,250	24,250
7H	Spec	Mnths 13+	Decrease	USD	27,775	25,250	25,850	23,500
7H	Hedge/Member	Mnths 13+	Decrease	USD	25,250	25,250	23,500	23,500
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnths 7+	Decrease	USD	28,875	26,250	27,500	25,000
JA	Hedge/Member	Mnths 7+	Decrease	USD	26,250	26,250	25,000	25,000
LA CARB DIESEL (OPIS) (LX)								
LX	Spec	Mnth 1	Increase	USD	3,960	3,600	4,675	4,250
LX	Hedge/Member	Mnth 1	Increase	USD	3,600	3,600	4,250	4,250
LX	Spec	Mnths 2-6	Increase	USD	3,960	3,600	4,675	4,250
LX	Hedge/Member	Mnths 2-6	Increase	USD	3,600	3,600	4,250	4,250
LX	Spec	Mnths 7+	Increase	USD	3,740	3,400	4,400	4,000
LX	Hedge/Member	Mnths 7+	Increase	USD	3,400	3,400	4,000	4,000
LOS ANGELES CARB GASOLINE FUT (MH)								
MH	Spec		Increase	USD	6,050	5,500	6,600	6,000
MH	Hedge/Member		Increase	USD	5,500	5,500	6,000	6,000
MICRO EURO MARINE 0.5% FO BARGES (R5O)								
R5O	Spec	Month 2	Decrease	USD	330	300	297	270
R5O	Hedge/Member	Month 2	Decrease	USD	300	300	270	270
R5O	Spec	Month 3+	Decrease	USD	319	290	286	260
R5O	Hedge/Member	Month 3+	Decrease	USD	290	290	260	260
MIN 1% FUEL OIL CIF CARGOES FUTURES (MFP)								
MFP	Spec		Decrease	USD	2,723	2,475	2,365	2,150
MFP	Hedge/Member		Decrease	USD	2,475	2,475	2,150	2,150
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnths 7+	Decrease	USD	2,888	2,625	2,750	2,500
MJN	Hedge/Member	Mnths 7+	Decrease	USD	2,625	2,625	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINI EUROPEAN FOB RDAM MARINE FUEL (R5M)								
R5M	Spec	Month 2	Decrease	USD	3,300	3,000	2,970	2,700
R5M	Hedge/Member	Month 2	Decrease	USD	3,000	3,000	2,700	2,700
R5M	Spec	Month 3+	Decrease	USD	3,190	2,900	2,860	2,600
R5M	Hedge/Member	Month 3+	Decrease	USD	2,900	2,900	2,600	2,600
MINI GAS EUROBOB OXY BARGES FUT (MEO)								
MEO	Spec	Mnths 7-12	Decrease	USD	28,600	26,000	26,675	24,250
MEO	Hedge/Member	Mnths 7-12	Decrease	USD	26,000	26,000	24,250	24,250
MEO	Spec	Mnths 13+	Decrease	USD	27,775	25,250	25,850	23,500
MEO	Hedge/Member	Mnths 13+	Decrease	USD	25,250	25,250	23,500	23,500
MINI NAPHTHA CARGOES CIF NWE ARGUS (NCF)								
NCF	Spec	Mths 1	Decrease	USD	4,620	4,200	3,960	3,600
NCF	Hedge/Member	Mths 1	Decrease	USD	4,200	4,200	3,600	3,600
NCF	Spec	Mths 2-6	Decrease	USD	4,620	4,200	3,960	3,600
NCF	Hedge/Member	Mths 2-6	Decrease	USD	4,200	4,200	3,600	3,600
NCF	Spec	Mnths 7+	Decrease	USD	4,620	4,200	3,960	3,600
NCF	Hedge/Member	Mnths 7+	Decrease	USD	4,200	4,200	3,600	3,600
MINI SINGAPORE GASOIL 500 PPM (PLAT (MGO)								
MGO	Spec	Mnths 2-6	Increase	USD	341	310	358	325
MGO	Hedge/Member	Mnths 2-6	Increase	USD	310	310	325	325
MINI SINGP FUEL OIL 180CST FUTURES (OF)								
OF	Spec	Mnths 8+	Decrease	USD	2,365	2,150	2,255	2,050
OF	Hedge/Member	Mnths 8+	Decrease	USD	2,150	2,150	2,050	2,050
PREMIUM UNLD 10PPM CARGOES CIF (4G)								
4G	Spec		Decrease	USD	46,200	42,000	40,700	37,000
4G	Hedge/Member		Decrease	USD	42,000	42,000	37,000	37,000
SINGAPORE FUEL 180CST CALFUT (UA)								
UA	Spec	Mnths 8+	Decrease	USD	23,650	21,500	22,550	20,500
UA	Hedge/Member	Mnths 8+	Decrease	USD	21,500	21,500	20,500	20,500
SINGAPORE GASOIL 500 PPM (PLATTS) F (GHS)								
GHS	Spec	Mnths 2-6	Increase	USD	3,410	3,100	3,575	3,250
GHS	Hedge/Member	Mnths 2-6	Increase	USD	3,100	3,100	3,250	3,250
SINGAPORE NAPHTHA FUT (SP)								
SP	Spec		Decrease	USD	3,850	3,500	3,025	2,750
SP	Hedge/Member		Decrease	USD	3,500	3,500	2,750	2,750

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

USGC MARINE FUEL 0.5% (PLATTS) FUTU (H5F)

H5F	Spec	Month 2	Decrease	USD	5,280	4,800	4,510	4,100
H5F	Hedge/Member	Month 2	Decrease	USD	4,800	4,800	4,100	4,100
H5F	Spec	Month 3+	Decrease	USD	5,280	4,800	4,510	4,100
H5F	Hedge/Member	Month 3+	Decrease	USD	4,800	4,800	4,100	4,100

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 (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	1,100	1,000	1,265	1,150
FC	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 2 (FEEDER CATTLE TRADE AT SETTLE)								
GFT	Spec		Increase	USD	1,100	1,000	1,265	1,150
GFT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 3 (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	1,100	1,000	1,265	1,150
FC	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 3 (FEEDER CATTLE TRADE AT SETTLE)								
GFT	Spec		Increase	USD	1,100	1,000	1,265	1,150
GFT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 4 (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	1,100	1,000	1,265	1,150
FC	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 4 (FEEDER CATTLE TRADE AT SETTLE)								
GFT	Spec		Increase	USD	1,100	1,000	1,265	1,150
GFT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 5 (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	1,100	1,000	1,265	1,150
FC	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Month 5 (FEEDER CATTLE TRADE AT SETTLE)								
GFT	Spec		Increase	USD	1,100	1,000	1,265	1,150
GFT	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Month 1 vs Months 6+ (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	1,375	1,250	1,485	1,350
FC	Hedge/Member		Increase	USD	1,250	1,250	1,350	1,350
Month 1 vs Months 6+ (FEEDER CATTLE TRADE AT SETTLE)								
GFT	Spec		Increase	USD	1,375	1,250	1,485	1,350
GFT	Hedge/Member		Increase	USD	1,250	1,250	1,350	1,350
Month 2 vs Month 4 (FEEDER CATTLE FUTURES)								
FC	Spec		Increase	USD	825	750	880	800
FC	Hedge/Member		Increase	USD	750	750	800	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

Month 2 vs Month 4 (FEEDER CATTLE TRADE AT SETTLE)

GFT	Spec		Increase	USD	825	750	880	800
GFT	Hedge/Member		Increase	USD	750	750	800	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ELECTRICITY - Intra Spreads								
(NYISO ZONE J 5MW D AH PK)								
D3	Spec		Decrease	USD	935	850	495	450
D3	Hedge/Member		Decrease	USD	850	850	450	450
CIN HUB 5MW REAL TIME PEAK - All Months (MISO INDIANA HUB 5MW REAL TIME PK)								
H3	Spec		Decrease	USD	330	300	165	150
H3	Hedge/Member		Decrease	USD	300	300	150	150
ISO New England Internal Hub Calendar Day Peak LMP Swap Futures - All Months (NEW ENGLAND HUB PEAK DAILY)								
CE	Spec		Decrease	USD	6,600	6,000	4,400	4,000
CE	Hedge/Member		Decrease	USD	6,000	6,000	4,000	4,000
NEPOOL INTER HUB 5MW DAY AHEAD OFF PEAK - All Months (NEPOOL INTR HUB 5MW D AH O PK)								
H2	Spec		Decrease	USD	31	28	22	20
H2	Hedge/Member		Decrease	USD	28	28	20	20
NEPOOL INTER HUB 5MW DAY AHEAD PEAK - All Months (NEPOOL INTR HUB 5MW D AH PK)								
U6	Spec		Decrease	USD	770	700	440	400
U6	Hedge/Member		Decrease	USD	700	700	400	400
NEPOOL NE MASS 5 MW DAY AHEAD OFF PEAK - All Months (NEPOOL NE MASS 5MW D AH O PK)								
P8	Spec		Decrease	USD	39	35	28	25
P8	Hedge/Member		Decrease	USD	35	35	25	25
NEPOOL NE MASS 5 MW DAY AHEAD PEAK - All Months (NEPOOL NE MASS 5MW D AH PK)								
P7	Spec		Decrease	USD	825	750	550	500
P7	Hedge/Member		Decrease	USD	750	750	500	500
NYISO Rest of the State Capacity Calendar Month Swap Futures - All Months (NYISO REST OF STATE CAPACITY CAL MO)								
NRS	Spec		Decrease	USD	8,800	8,000	4,950	4,500
NRS	Hedge/Member		Decrease	USD	8,000	8,000	4,500	4,500
NYISO ZONE A 5MW DAY AHEAD OFF PEAK - All Months (NYISO ZONE A 5MW D AH O PK)								
K4	Spec		Decrease	USD	33	30	22	20
K4	Hedge/Member		Decrease	USD	30	30	20	20
NYISO Zone A Calendar Day LBMP Swap Futures - All Months (NYISO ZONE A LBMP FUT)								
AN	Spec		Decrease	USD	4,400	4,000	2,750	2,500
AN	Hedge/Member		Decrease	USD	4,000	4,000	2,500	2,500
PJM Financially Settled Daily Futures Peak - Tier 1 vs Tier 1 (PJM DAILY)								
JD	Spec		Decrease	USD	6,050	5,500	3,850	3,500
JD	Hedge/Member		Decrease	USD	5,500	5,500	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PJM Financially Settled Daily Futures Peak - Tier 1 vs Tier 2 (PJM DAILY)								
JD	Spec		Decrease	USD	3,850	3,500	2,200	2,000
JD	Hedge/Member		Decrease	USD	3,500	3,500	2,000	2,000
PJM Financially Settled Daily Futures Peak - Tier 1 vs Tier 3 (PJM DAILY)								
JD	Spec		Decrease	USD	2,200	2,000	1,100	1,000
JD	Hedge/Member		Decrease	USD	2,000	2,000	1,000	1,000
PJM Financially Settled Daily Futures Peak - Tier 2 vs Tier 2 (PJM DAILY)								
JD	Spec		Decrease	USD	3,850	3,500	2,200	2,000
JD	Hedge/Member		Decrease	USD	3,500	3,500	2,000	2,000
PJM Financially Settled Daily Futures Peak - Tier 2 vs Tier 3 (PJM DAILY)								
JD	Spec		Decrease	USD	2,200	2,000	1,100	1,000
JD	Hedge/Member		Decrease	USD	2,000	2,000	1,000	1,000
PJM Financially Settled Daily Futures Peak - Tier 3 vs Tier 3 (PJM DAILY)								
JD	Spec		Decrease	USD	2,200	2,000	1,100	1,000
JD	Hedge/Member		Decrease	USD	2,000	2,000	1,000	1,000
PJM Financially Settled Monthly Futures - Peak - All Months (PJM MONTHLY)								
JM	Spec		Decrease	USD	3,850	3,500	2,200	2,000
JM	Hedge/Member		Decrease	USD	3,500	3,500	2,000	2,000
PJM Meted Zone Off-Peak Calendar-Month Day-Ahead LMP - All Months (PJM METED ZONE OFFPK CAL MO LMP FUT)								
46	Spec		Decrease	USD	53	48	28	25
46	Hedge/Member		Decrease	USD	48	48	25	25
PJM Meted Zone Peak Calendar-Month Day-Ahead LMP - All Months (PJM METED ZONE PK CAL LMP FUTURES)								
47	Spec		Decrease	USD	770	700	440	400
47	Hedge/Member		Decrease	USD	700	700	400	400
PJM PECO Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Swap Futures - All Months (PJM PECO Z5 MW OFFPK CLM DA LMP)								
4P	Spec		Decrease	USD	11	10	6	5
4P	Hedge/Member		Decrease	USD	10	10	5	5
PJM PECO Zone 5 MW Peak Calendar-Month Day-Ahead LMP Swap Futures - All Months (PJM PECO Z5 MW PK CLM DA LMP)								
4N	Spec		Decrease	USD	440	400	220	200
4N	Hedge/Member		Decrease	USD	400	400	200	200
PJM PSEG Zone Off- Peak Calendar-Month Day-Ahead LMP - All Months (PJM PSEG DA OFF-PEAK)								
W6	Spec		Decrease	USD	39	35	22	20
W6	Hedge/Member		Decrease	USD	35	35	20	20

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

PJM PSEG Zone Peak Calendar-Month Day-Ahead LMP - All Months (PJM PSEG DA PEAK)

L6	Spec		Decrease	USD	1,210	1,100	660	600
L6	Hedge/Member		Decrease	USD	1,100	1,100	600	600

PJM WESTERN HUB PEAK CALENDAR-MONTH (J4) - All Months (PJM WESTHDA PEAK)

J4	Spec		Decrease	USD	440	400	220	200
J4	Hedge/Member		Decrease	USD	400	400	200	200

PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK CAL MON REAL TIME)

L1	Spec		Decrease	USD	440	400	220	200
L1	Hedge/Member		Decrease	USD	400	400	200	200

PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK LMP 50 MW)

4S	Spec		Decrease	USD	4,400	4,000	2,200	2,000
4S	Hedge/Member		Decrease	USD	4,000	4,000	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
All Months (ZINC FUTURES)								
ZNC	Spec		Increase	USD	1,210	1,100	2,420	2,200
ZNC	Hedge/Member		Increase	USD	1,100	1,100	2,200	2,200
Palladium - Tier 1 vs Tier 2 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	264	240	308	280
PAM	Hedge/Member		Increase	USD	240	240	280	280
Palladium - Tier 1 vs Tier 2 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	2,640	2,400	3,080	2,800
PA	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 1 vs Tier 2 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	2,640	2,400	3,080	2,800
PAT	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 1 vs Tier 3 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	264	240	308	280
PAM	Hedge/Member		Increase	USD	240	240	280	280
Palladium - Tier 1 vs Tier 3 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	2,640	2,400	3,080	2,800
PA	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 1 vs Tier 3 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	2,640	2,400	3,080	2,800
PAT	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 1 vs Tier 4 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	264	240	308	280
PAM	Hedge/Member		Increase	USD	240	240	280	280
Palladium - Tier 1 vs Tier 4 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	2,640	2,400	3,080	2,800
PA	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 1 vs Tier 4 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	2,640	2,400	3,080	2,800
PAT	Hedge/Member		Increase	USD	2,400	2,400	2,800	2,800
Palladium - Tier 2 vs Tier 3 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	330	300	396	360
PAM	Hedge/Member		Increase	USD	300	300	360	360

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Palladium - Tier 2 vs Tier 3 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	3,300	3,000	3,960	3,600
PA	Hedge/Member		Increase	USD	3,000	3,000	3,600	3,600
Palladium - Tier 2 vs Tier 3 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	3,300	3,000	3,960	3,600
PAT	Hedge/Member		Increase	USD	3,000	3,000	3,600	3,600
Palladium - Tier 2 vs Tier 4 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	330	300	396	360
PAM	Hedge/Member		Increase	USD	300	300	360	360
Palladium - Tier 2 vs Tier 4 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	3,300	3,000	3,960	3,600
PA	Hedge/Member		Increase	USD	3,000	3,000	3,600	3,600
Palladium - Tier 2 vs Tier 4 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	3,300	3,000	3,960	3,600
PAT	Hedge/Member		Increase	USD	3,000	3,000	3,600	3,600
Palladium - Tier 3 vs Tier 4 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	495	450	517	470
PAM	Hedge/Member		Increase	USD	450	450	470	470
Palladium - Tier 3 vs Tier 4 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	4,950	4,500	5,170	4,700
PA	Hedge/Member		Increase	USD	4,500	4,500	4,700	4,700
Palladium - Tier 3 vs Tier 4 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	4,950	4,500	5,170	4,700
PAT	Hedge/Member		Increase	USD	4,500	4,500	4,700	4,700
Palladium - Tier 4 vs Tier 4 (E-MICRO PALLADIUM FUTURES)								
PAM	Spec		Increase	USD	495	450	517	470
PAM	Hedge/Member		Increase	USD	450	450	470	470
Palladium - Tier 4 vs Tier 4 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Increase	USD	4,950	4,500	5,170	4,700
PA	Hedge/Member		Increase	USD	4,500	4,500	4,700	4,700
Palladium - Tier 4 vs Tier 4 (PALLADIUM TAS)								
PAT	Spec		Increase	USD	4,950	4,500	5,170	4,700
PAT	Hedge/Member		Increase	USD	4,500	4,500	4,700	4,700

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

NATURAL GAS - Intra Spreads

JKM - Mnth 1 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)

JKM	Spec		New	USD			5,060	4,600
JKM	Hedge/Member		New	USD			4,600	4,600

JKM - Mnths 13+ vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)

JKM	Spec		New	USD			5,060	4,600
JKM	Hedge/Member		New	USD			4,600	4,600

JKM - Mnths 2-12 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)

JKM	Spec		New	USD			5,060	4,600
JKM	Hedge/Member		New	USD			4,600	4,600

JKM - Mnths 2-12 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)

JKM	Spec		New	USD			4,180	3,800
JKM	Hedge/Member		New	USD			3,800	3,800

LNG Japan/Korea Marker (Platts) Swap Futures - Mnth 1 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)

JKM	Spec	Decrease	USD	5,060	4,600	4,620	4,200
JKM	Hedge/Member	Decrease	USD	4,600	4,600	4,200	4,200

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								
Mnths 1-6 vs. Mnths 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Increase	USD	2,420	2,200	3,520	3,200
FS	Hedge/Member		Increase	USD	2,200	2,200	3,200	3,200
Mnths 7-11 vs. Mnths 7-11 (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Increase	USD	4,675	4,250	5,500	5,000
FS	Hedge/Member		Increase	USD	4,250	4,250	5,000	5,000
Months 7-11 vs 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Spec		Increase	USD	2,640	2,400	3,850	3,500
FS	Hedge/Member		Increase	USD	2,400	2,400	3,500	3,500
New York 1% Fuel Oil v. Gulf Coast 3% Fuel Oil Swap - Consecutive months 2+ (NY1%FO V. GULF COAST HSFO FUT)								
VR	Spec		Increase	USD	248	225	281	255
VR	Hedge/Member		Increase	USD	225	225	255	255
New York 1% Fuel Oil v. Gulf Coast 3% Fuel Oil Swap - Months 1+2 vs 3+ (NY1%FO V. GULF COAST HSFO FUT)								
VR	Spec		Increase	USD	550	500	605	550
VR	Hedge/Member		Increase	USD	500	500	550	550
New York 1% Fuel Oil v. Gulf Coast 3% Fuel Oil Swap - Months 3+ vs 3+ (NY1%FO V. GULF COAST HSFO FUT)								
VR	Spec		Increase	USD	506	460	578	525
VR	Hedge/Member		Increase	USD	460	460	525	525
REFINED PRODUCTS - Intra Spreads								
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Month 2 vs Months 3+ (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Spec		Increase	USD	7,700	7,000	8,910	8,100
7H	Hedge/Member		Increase	USD	7,000	7,000	8,100	8,100
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Month 2 vs Months 3+ (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Spec		Increase	USD	7,700	7,000	8,910	8,100
MEO	Hedge/Member		Increase	USD	7,000	7,000	8,100	8,100
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Months 3+ vs Months 3+ (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Spec		Decrease	USD	7,700	7,000	5,500	5,000
7H	Hedge/Member		Decrease	USD	7,000	7,000	5,000	5,000
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Months 3+ vs Months 3+ (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Spec		Decrease	USD	7,700	7,000	5,500	5,000
MEO	Hedge/Member		Decrease	USD	7,000	7,000	5,000	5,000

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						
Oats (CBOT - O) vs. Soybeans (CBOT - S)						
Spread Credit Rate	Increase	+1:-5	0%	0%	30%	30%
Oats (CBOT) (O) vs. Soybean Meal (CBOT) (06)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	30%	30%
Oats (CBOT) (O) vs. Soybean Oil (CBOT) (07)						
Spread Credit Rate	Increase	+1:-1	0%	0%	30%	30%
WHEAT (W - CME) vs OATS (O - CME)						
Spread Credit Rate	Decrease	+1:-5	40%	40%	30%	30%
WHEAT (W - CME) vs SOYBEANS (S - CME)						
Spread Credit Rate	Increase	+3:-2	40%	40%	50%	50%
CRUDE OIL - Inter-commodity Spread Rates						
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	82%	82%	79%	79%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% SULFUR (PLATTS) SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	78%	78%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	86%	86%	82%	82%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	80%	80%	78%	78%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	83%	83%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
FREIGHT - Inter-commodity Spread Rates						
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			60%	60%
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME)						
Spread Credit Rate	New	+1:+1			40%	40%
Spread Credit Rate	New	+1:-1			60%	60%
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TD3C (PLATTS) FUTURES (NY-TD3 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TD7 (BALTIC) SWAP FUTURES (NY-TK - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME) vs FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME) vs FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME) vs FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	New	+1:-1			30%	30%
FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME) vs FREIGHT ROUTE TD7 (BALTIC) SWAP FUTURES (NY-TK - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME) vs FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME)						
Spread Credit Rate	New	-1:+1			40%	40%
FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME) vs FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME) vs FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME) vs FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME)						
Spread Credit Rate	New	+1:-1			25%	25%
FREIGHT ROUTE TD20 (BALTIC) FUTURES (NY-T2D - CME) vs FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	0%	0%
FREIGHT ROUTE TD3C (PLATTS) FUTURES (NY-TD3 - CME) vs FREIGHT ROUTE TC12 (BALTIC) SWAP FUTURES (NY-FRS - CME)						
Spread Credit Rate	New	+1:-1			20%	20%
FREIGHT ROUTE TD3C (PLATTS) FUTURES (NY-TD3 - CME) vs FREIGHT ROUTE TC15 (BALTIC) FUTURES (NY-T5C - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
FREIGHT ROUTE TD3C (PLATTS) FUTURES (NY-TD3 - CME) vs FREIGHT ROUTE TC6 (BALTIC) SWAP FUTURES (NY-TC6 - CME)						
Spread Credit Rate	New	+1:+1			40%	40%
FREIGHT ROUTE TD7 (BALTIC) SWAP FUTURES (NY-TK - CME) vs FREIGHT ROUTE TC9 (BALTIC) FUTURES (NY-TC9 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
FREIGHT ROUTE TD7 (BALTIC) SWAP FUTURES (NY-TK - CME) vs FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME) vs FREIGHT ROUTE TD3 (BALTIC) SWAP FUTURES (NY-TL - CME)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	0%	0%
FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME) vs FREIGHT ROUTE TD8 (BALTIC) FUTURES (NY-TD8 - CME)						
Spread Credit Rate	New	+1:-1			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
INTEREST RATES - Inter-commodity Spread Rates						
ONE-MONTH SOFR (SR1) Month 2 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+2:-1			30%	30%
ONE-MONTH SOFR (SR1) Month 2 vs 2-YEAR ERIS (LIT) Month 9						
Spread Credit Rate	New	+1:-2			35%	35%
ONE-MONTH SOFR (SR1) Month 2 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+3:-4			30%	30%
ONE-MONTH SOFR (SR1) Month 2 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+1:-1			30%	30%
ONE-MONTH SOFR (SR1) Month 2 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+4:-5			30%	30%
ONE-MONTH SOFR (SR1) Month 2 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-2			30%	30%
ONE-MONTH SOFR (SR1) Month 3 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+2:-1			30%	30%
ONE-MONTH SOFR (SR1) Month 3 vs 2-YEAR ERIS (LIT) Month 9						
Spread Credit Rate	New	+1:-2			35%	35%
ONE-MONTH SOFR (SR1) Month 3 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+3:-4			30%	30%
ONE-MONTH SOFR (SR1) Month 3 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+1:-1			30%	30%
ONE-MONTH SOFR (SR1) Month 3 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+4:-5			30%	30%
ONE-MONTH SOFR (SR1) Month 3 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-2			30%	30%
ONE-MONTH SOFR (SR1) Month 4 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+2:-1			35%	35%
ONE-MONTH SOFR (SR1) Month 4 vs 2-YEAR ERIS (LIT) Month 9						
Spread Credit Rate	New	+1:-2			35%	35%
ONE-MONTH SOFR (SR1) Month 4 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+3:-4			30%	30%
ONE-MONTH SOFR (SR1) Month 4 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+1:-1			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ONE-MONTH SOFR (SR1) Month 4 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+4:-5			35%	35%
ONE-MONTH SOFR (SR1) Month 4 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-2			30%	30%
ONE-MONTH SOFR (SR1) Month 5+ vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+2:-1			40%	40%
ONE-MONTH SOFR (SR1) Month 5+ vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+3:-4			55%	55%
ONE-MONTH SOFR (SR1) Month 5+ vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+1:-1			55%	55%
ONE-MONTH SOFR (SR1) Month 5+ vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+4:-5			35%	35%
ONE-MONTH SOFR (SR1) Month 5+ vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-2			30%	30%
ONE-MONTH SOFR (SR1) Months 5-7 vs 2-YEAR ERIS (LIT) Month 9						
Spread Credit Rate	New	+1:-2			50%	50%
THREE-MONTH SOFR (SR3) Month 1 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			50%	50%
THREE-MONTH SOFR (SR3) Month 1 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			40%	40%
THREE-MONTH SOFR (SR3) Month 1 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			40%	40%
THREE-MONTH SOFR (SR3) Month 1 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			40%	40%
THREE-MONTH SOFR (SR3) Month 1 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			40%	40%
THREE-MONTH SOFR (SR3) Month 1 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			40%	40%
THREE-MONTH SOFR (SR3) Month 13-16 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 13-16 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			70%	70%
THREE-MONTH SOFR (SR3) Month 13-16 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH SOFR (SR3) Month 13-16 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			65%	65%
THREE-MONTH SOFR (SR3) Month 13-16 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 13-16 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 17+ vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 17+ vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			70%	70%
THREE-MONTH SOFR (SR3) Month 17+ vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			65%	65%
THREE-MONTH SOFR (SR3) Month 17+ vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			65%	65%
THREE-MONTH SOFR (SR3) Month 17+ vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 17+ vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 2 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 2 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			65%	65%
THREE-MONTH SOFR (SR3) Month 2 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			40%	40%
THREE-MONTH SOFR (SR3) Month 2 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			40%	40%
THREE-MONTH SOFR (SR3) Month 2 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 2 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 3 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 3 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH SOFR (SR3) Month 3 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			50%	50%
THREE-MONTH SOFR (SR3) Month 3 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			50%	50%
THREE-MONTH SOFR (SR3) Month 3 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 3 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 4-5 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 4-5 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			75%	75%
THREE-MONTH SOFR (SR3) Month 4-5 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			60%	60%
THREE-MONTH SOFR (SR3) Month 4-5 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			60%	60%
THREE-MONTH SOFR (SR3) Month 4-5 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 4-5 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 6-8 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 6-8 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			75%	75%
THREE-MONTH SOFR (SR3) Month 6-8 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			65%	65%
THREE-MONTH SOFR (SR3) Month 6-8 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			65%	65%
THREE-MONTH SOFR (SR3) Month 6-8 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 6-8 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
THREE-MONTH SOFR (SR3) Month 9-12 vs 10-YEAR ERIS (LIY) Month 27+						
Spread Credit Rate	New	+4:-1			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
THREE-MONTH SOFR (SR3) Month 9-12 vs 2-YEAR ERIS (LIT) Month 9+						
Spread Credit Rate	New	+4:-5			75%	75%
THREE-MONTH SOFR (SR3) Month 9-12 vs 3-YEAR ERIS (LIC) Month 13+						
Spread Credit Rate	New	+5:-4			65%	65%
THREE-MONTH SOFR (SR3) Month 9-12 vs 4-YEAR ERIS (LID) Month 14+						
Spread Credit Rate	New	+3:-2			65%	65%
THREE-MONTH SOFR (SR3) Month 9-12 vs 5-YEAR ERIS (LIW) Month 21+						
Spread Credit Rate	New	+2:-1			70%	70%
THREE-MONTH SOFR (SR3) Month 9-12 vs 7-YEAR ERIS (LIB) Month 23+						
Spread Credit Rate	New	+3:-1			60%	60%
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME) vs GULF COAST JET (PLATTS) UP-DOWN BALMO SWAP FUTURES (NY-1M - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	89%	89%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	72%	72%	69%	69%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	82%	82%	79%	79%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+2:-15	90%	90%	88%	88%
Spread Credit Rate	Decrease	+2:-15	88%	88%	86%	86%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+2:-15	87%	87%	84%	84%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+2:-15	75%	75%	69%	69%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+3:-19	90%	90%	88%	88%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	68%	68%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	67%	67%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+3:-25	76%	76%	73%	73%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+1:-1	79%	79%	75%	75%
GROUP THREE ULSD (PLATTS) SWAP FUTURES (NY-A7 - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	73%	73%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	76%	76%	74%	74%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	71%	71%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-9	76%	76%	71%	71%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% SULFUR (PLATTS) SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	78%	78%
NEW YORK HARBOR 1.0% FUEL OIL (PLATTS) BALMO SWAP FUTURES (NY-VK - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	67%	67%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	77%	77%	72%	72%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	86%	86%	82%	82%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	71%	71%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	73%	73%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	74%	74%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-MM - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% SULFUR (PLATTS) SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	72%	72%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	80%	80%	78%	78%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+3:-25	75%	75%	73%	73%
RBOB GASOLINE FUTURES (NY-RB - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	66%	66%	64%	64%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+1:-1	92%	92%	90%	90%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	74%	74%	69%	69%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	83%	83%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	82%	82%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	80%	80%	78%	78%

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

AGRICULTURE - Volatility Scan (volScan) Rate

CASH SETTLED CHEESE (CSC, CSC) - volScan

Clearing Member Rate	Mnths 2-4	Increase		20.000%		25.000%
Clearing Member Rate	Mnths 5	Increase		15.000%		18.000%
Clearing Member Rate	Month 6	Increase		10.000%		13.000%
Clearing Member Rate	Months 7+	Increase		10.000%		13.000%

NONFAT DRY MILK (NF, NF) - volScan

Clearing Member Rate	Month 3-4	Increase		20.000%		23.000%
Clearing Member Rate	Month 5+	Increase		8.000%		13.000%
Clearing Member Rate	Month 2	Increase		25.000%		30.000%