



18-478

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, December 06, 2018

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Friday, December 07, 2018.

Current rates as of:

Thursday, December 06, 2018.

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		Increase	USD	275	250	330	300
AWI	Hedge/Member		Increase	USD	250	250	300	300
BLOOMBERG COMMODITY INDEX FUTURES (70)								
70	Spec		Increase	USD	275	250	330	300
70	Hedge/Member		Increase	USD	250	250	300	300
BLOOMBERG ROLL SELECT COMM MARKER (DRI)								
DRI	Spec		Increase	USD	770	700	880	800
DRI	Hedge/Member		Increase	USD	700	700	800	800
BLOOMBERG ROLL SELECT COMMDTY INDEX (DRS)								
DRS	Spec		Increase	USD	770	700	880	800
DRS	Hedge/Member		Increase	USD	700	700	800	800
BTIC ON BLOOMBERG COMDITY INDEX FUT (AWT)								
AWT	Spec		Increase	USD	275	250	330	300
AWT	Hedge/Member		Increase	USD	250	250	300	300
BTIC ON BLOOMBERG ROLL SELECT INDEX (DRT)								
DRT	Spec		Increase	USD	770	700	880	800
DRT	Hedge/Member		Increase	USD	700	700	800	800
BTIC ON S&P-GSCI COMMODITY INDEX (GDT)								
GDT	Spec		Increase	USD	4,895	4,450	5,500	5,000
GDT	Hedge/Member		Increase	USD	4,450	4,450	5,000	5,000
BTIC ON S&P-GSCI EXCESS RETURN INDE (GIT)								
GIT	Spec		Increase	USD	1,100	1,000	1,210	1,100
GIT	Hedge/Member		Increase	USD	1,000	1,000	1,100	1,100
GSCI ER FUTURES (GA)								
GA	Spec		Increase	USD	1,100	1,000	1,210	1,100
GA	Hedge/Member		Increase	USD	1,000	1,000	1,100	1,100
GSCI-ER 3 MTH FOWARD INX SWPS (SE3)								
SE3	Spec		Increase	USD	1,100	1,000	1,320	1,200
SE3	Hedge/Member		Increase	USD	1,000	1,000	1,200	1,200
S&P GSCI ENHANCED ER SWAP FUT (RRE)								
RRE	Spec		Increase	USD	1,155	1,050	1,375	1,250
RRE	Hedge/Member		Increase	USD	1,050	1,050	1,250	1,250
S&P-GSCI COMMODITY INDEX FUTURE (GI)								

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GI	Spec		Increase	USD	4,895	4,450	5,500	5,000
GI	Hedge/Member		Increase	USD	4,450	4,450	5,000	5,000
S&P-GSCI COMMODITY INDEX MARKER (GDM)								
GDM	Spec		Increase	USD	4,895	4,450	5,500	5,000
GDM	Hedge/Member		Increase	USD	4,450	4,450	5,000	5,000
S&P-GSCI EXCESS RETURN INDEX FUTURE (GII)								
GII	Spec		Increase	USD	1,100	1,000	1,210	1,100
GII	Hedge/Member		Increase	USD	1,000	1,000	1,100	1,100
SP GSCI-ER 2 MTH FOWARD INX SWP (SE2)								
SE2	Spec		Increase	USD	1,100	1,000	1,320	1,200
SE2	Hedge/Member		Increase	USD	1,000	1,000	1,200	1,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL - Outright Rates								
DUBAI CRUDE OIL CALENDAR FUT (DC)								
DC	Spec	Mnth1	Increase	USD	4,840	4,400	5,500	5,000
DC	Hedge/Member	Mnth1	Increase	USD	4,400	4,400	5,000	5,000
DC	Spec	Mnth 2	Increase	USD	4,730	4,300	5,390	4,900
DC	Hedge/Member	Mnth 2	Increase	USD	4,300	4,300	4,900	4,900
DC	Spec	Mnth 3-8	Increase	USD	4,620	4,200	5,280	4,800
DC	Hedge/Member	Mnth 3-8	Increase	USD	4,200	4,200	4,800	4,800
DC	Spec	Mnth9+	Increase	USD	4,180	3,800	4,950	4,500
DC	Hedge/Member	Mnth9+	Increase	USD	3,800	3,800	4,500	4,500
EUROPE DATED BRENT FUT (UB)								
UB	Spec	Mths 7+	Increase	USD	3,300	3,000	4,400	4,000
UB	Hedge/Member	Mths 7+	Increase	USD	3,000	3,000	4,000	4,000
UB	Spec	Mths 1 - 6	Increase	USD	4,400	4,000	5,500	5,000
UB	Hedge/Member	Mths 1 - 6	Increase	USD	4,000	4,000	5,000	5,000
MINI DATED BRENT (PLATTS) FINANCIAL (MDB)								
MDB	Spec	Mths 7+	Increase	USD	330	300	440	400
MDB	Hedge/Member	Mths 7+	Increase	USD	300	300	400	400
MDB	Spec	Mths 1 - 6	Increase	USD	440	400	550	500
MDB	Hedge/Member	Mths 1 - 6	Increase	USD	400	400	500	500
MINI DUBAI CRUDE OIL (PLATTS) FUT (DBL)								
DBL	Spec	Mnth1	Increase	USD	484	440	550	500
DBL	Hedge/Member	Mnth1	Increase	USD	440	440	500	500
DBL	Spec	Mnth 2	Increase	USD	473	430	539	490
DBL	Hedge/Member	Mnth 2	Increase	USD	430	430	490	490
DBL	Spec	Mnth 3-8	Increase	USD	462	420	528	480
DBL	Hedge/Member	Mnth 3-8	Increase	USD	420	420	480	480
DBL	Spec	Mnth9+	Increase	USD	418	380	495	450
DBL	Hedge/Member	Mnth9+	Increase	USD	380	380	450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL SPREADS - Outright Rates

CANADIAN C5+ CONDENSATE MONTHLY FUT (CC5)

CC5	Spec	Mnths 1-2	Increase	USD	2,640	2,400	3,300	3,000
CC5	Hedge/Member	Mnths 1-2	Increase	USD	2,400	2,400	3,000	3,000
CC5	Spec	Mnths 3-6	Increase	USD	1,705	1,550	2,310	2,100
CC5	Hedge/Member	Mnths 3-6	Increase	USD	1,550	1,550	2,100	2,100
CC5	Spec	Mnths 7+	Increase	USD	1,320	1,200	1,650	1,500
CC5	Hedge/Member	Mnths 7+	Increase	USD	1,200	1,200	1,500	1,500

CLEARBROOK BAKKEN SWEET CRUDE OIL M (CSW)

CSW	Spec	Mnths 1-2	Increase	USD	1,320	1,200	1,760	1,600
CSW	Hedge/Member	Mnths 1-2	Increase	USD	1,200	1,200	1,600	1,600
CSW	Spec	Mnths 3-6	Increase	USD	1,320	1,200	1,650	1,500
CSW	Hedge/Member	Mnths 3-6	Increase	USD	1,200	1,200	1,500	1,500
CSW	Spec	Mnths 7+	Increase	USD	1,155	1,050	1,430	1,300
CSW	Hedge/Member	Mnths 7+	Increase	USD	1,050	1,050	1,300	1,300

DME Products - Outright Rates

DUBAI CRUDE OIL (PLATTS) (DCD)

DCD	Spec	Mnth 1	Increase	USD	4,840	4,400	5,500	5,000
DCD	Hedge/Member	Mnth 1	Increase	USD	4,400	4,400	5,000	5,000
DCD	Spec	Mnths 2	Increase	USD	4,730	4,300	5,390	4,900
DCD	Hedge/Member	Mnths 2	Increase	USD	4,300	4,300	4,900	4,900
DCD	Spec	Mnths 3-8	Increase	USD	4,510	4,100	5,280	4,800
DCD	Hedge/Member	Mnths 3-8	Increase	USD	4,100	4,100	4,800	4,800
DCD	Spec	Mnths 9+	Increase	USD	4,180	3,800	4,950	4,500
DCD	Hedge/Member	Mnths 9+	Increase	USD	3,800	3,800	4,500	4,500

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 E-MINI DJIA FUTURES (YMT)								
YMT	Spec		Increase	USD	5,830	5,300	6,160	5,600
YMT	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
YMT	Spec		Increase	USD	5,830	5,300	6,160	5,600
YMT	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
BTIC ON S&P 500 TOTAL RETURN INDEX (TRB)								
TRB	Spec		Increase	USD	4,950	4,500	5,775	5,250
TRB	Hedge/Member		Increase	USD	4,500	4,500	5,250	5,250
BTIC S&P SMALLCAP 600 INDEX FUT (SMT)								
SMT	Spec		Increase	USD	4,290	3,900	4,950	4,500
SMT	Hedge/Member		Increase	USD	3,900	3,900	4,500	4,500
E-MINI DJIA FUTURES MARKER (YMI)								
YMI	Spec		Increase	USD	5,830	5,300	6,160	5,600
YMI	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
YMI	Spec		Increase	USD	5,830	5,300	6,160	5,600
YMI	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
E-MINI DOW (\$5) FUTURES (YM)								
YM	Spec		Increase	USD	5,830	5,300	6,160	5,600
YM	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
YM	Spec		Increase	USD	5,830	5,300	6,160	5,600
YM	Hedge/Member		Increase	USD	5,300	5,300	5,600	5,600
E-MINI NIKKEI 225 YEN DENOMINATED (ENY)								
ENY	Spec		Increase	JPY	114,400	104,000	123,200	112,000
ENY	Hedge/Member		Increase	JPY	104,000	104,000	112,000	112,000
E-MINI S&P SMALLCAP INDEX FUT (SMC)								
SMC	Spec		Increase	USD	4,290	3,900	4,950	4,500
SMC	Hedge/Member		Increase	USD	3,900	3,900	4,500	4,500
NASDAQ COMPOSITE FUTURES (QN)								
QN	Spec		Increase	USD	5,720	5,200	6,600	6,000
QN	Hedge/Member		Increase	USD	5,200	5,200	6,000	6,000
NIKKEI 225 DOLLAR FUTURES (NK)								
NK	Spec		Increase	USD	5,720	5,200	6,160	5,600
NK	Hedge/Member		Increase	USD	5,200	5,200	5,600	5,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NIKKEI 225 YEN FUT (N1)								
N1	Spec		Increase	JPY	572,000	520,000	616,000	560,000
N1	Hedge/Member		Increase	JPY	520,000	520,000	560,000	560,000
S&P 500 TOTAL RETURN INDEX FUTURES (TRI)								
TRI	Spec		Increase	USD	4,950	4,500	5,775	5,250
TRI	Hedge/Member		Increase	USD	4,500	4,500	5,250	5,250
S&P 500 TOTAL RETURN INDEX MARKER (TRM)								
TRM	Spec		Increase	USD	4,950	4,500	5,775	5,250
TRM	Hedge/Member		Increase	USD	4,500	4,500	5,250	5,250
S&P SMALLCAP 600 FUTURES (SMP)								
SMP	Spec		Increase	USD	21,450	19,500	24,750	22,500
SMP	Hedge/Member		Increase	USD	19,500	19,500	22,500	22,500
S&P SMALLCAP 600 INDEX SYNT MARKER (TMT)								
TMT	Spec		Increase	USD	4,290	3,900	4,950	4,500
TMT	Hedge/Member		Increase	USD	3,900	3,900	4,500	4,500
FREIGHT - Outright Rates								
FREIGHT ROUTE TD3C FUTURES (TL)								
TL	Spec	Mnth 2	Increase	USD	990	900	1,155	1,050
TL	Hedge/Member	Mnth 2	Increase	USD	900	900	1,050	1,050
TL	Spec	Mnths 3-6	Increase	USD	825	750	990	900
TL	Hedge/Member	Mnths 3-6	Increase	USD	750	750	900	900
TC5 RAS TANURA TO YOKOHAMA 55K MT (TH)								
TH	Spec	Mths 2+	Increase	USD	1,100	1,000	1,320	1,200
TH	Hedge/Member	Mths 2+	Increase	USD	1,000	1,000	1,200	1,200
TD7 NORTH SEA TO CONTINENT 80K MT (TK)								
TK	Spec	Mnth 1	Decrease	USD	1,100	1,000	990	900
TK	Hedge/Member	Mnth 1	Decrease	USD	1,000	1,000	900	900
TK	Spec	Mnth 2+	New	USD			825	750
TK	Hedge/Member	Mnth 2+	New	USD			750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
BPJY FUTURE (BY)								
BY	Spec		Increase	JPY	522,500	475,000	621,500	565,000
BY	Hedge/Member		Increase	JPY	475,000	475,000	565,000	565,000
BPSF FUTURE (BF)								
BF	Spec		Increase	CHF	5,500	5,000	5,775	5,250
BF	Hedge/Member		Increase	CHF	5,000	5,000	5,250	5,250
BRITISH POUND FUTURES (BP)								
BP	Spec	Month1-3	Increase	USD	2,420	2,200	2,640	2,400
BP	Hedge/Member	Month1-3	Increase	USD	2,200	2,200	2,400	2,400
BP	Spec	Months 4+	Increase	USD	2,420	2,200	2,640	2,400
BP	Hedge/Member	Months 4+	Increase	USD	2,200	2,200	2,400	2,400
E-MICRO GBP/USD FUTURES (M6B)								
M6B	Spec	Month1-3	Increase	USD	242	220	264	240
M6B	Hedge/Member	Month1-3	Increase	USD	220	220	240	240
M6B	Spec	Months 4+	Increase	USD	242	220	264	240
M6B	Hedge/Member	Months 4+	Increase	USD	220	220	240	240
EURO FX/BP FUTURE (RP)								
RP	Spec		Increase	GBP	3,190	2,900	3,685	3,350
RP	Hedge/Member		Increase	GBP	2,900	2,900	3,350	3,350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

INTEREST RATES - Outright Rates

2 YEAR TREASURY NOTE FUTURES (26)

26	Spec	Mnth 1	Increase	USD	451	410	539	490
26	Hedge/Member	Mnth 1	Increase	USD	410	410	490	490
26	Spec	Mnths 2+	Increase	USD	523	475	605	550
26	Hedge/Member	Mnths 2+	Increase	USD	475	475	550	550

30 YR U.S. TREASURY BOND FUTURES (17)

17	Spec	Month 1	Increase	USD	2,530	2,300	2,805	2,550
17	Hedge/Member	Month 1	Increase	USD	2,300	2,300	2,550	2,550
17	Spec	Month 2+	Increase	USD	2,530	2,300	2,805	2,550
17	Hedge/Member	Month 2+	Increase	USD	2,300	2,300	2,550	2,550

LONG TERM U.S. TREASURY BOND FUTURE (UBE)

UBE	Spec		Increase	USD	3,630	3,300	4,015	3,650
UBE	Hedge/Member		Increase	USD	3,300	3,300	3,650	3,650

ULTRA 10-YEAR U S TREASURY NOTE FUT (TN)

TN	Spec		Increase	USD	1,485	1,350	1,705	1,550
TN	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550

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

ANR OKLAHOMA (NE)

NE	Spec	Mnth 1	Increase	USD	495	450	715	650
NE	Hedge/Member	Mnth 1	Increase	USD	450	450	650	650
NE	Spec	Mnth 2	Increase	USD	495	450	715	650
NE	Hedge/Member	Mnth 2	Increase	USD	450	450	650	650
NE	Spec	Mnths 3-7	Increase	USD	495	450	715	650
NE	Hedge/Member	Mnths 3-7	Increase	USD	450	450	650	650
NE	Spec	Mnths 8-14	Increase	USD	495	450	715	650
NE	Hedge/Member	Mnths 8-14	Increase	USD	450	450	650	650
NE	Spec	Mnths 15+	Increase	USD	495	450	715	650
NE	Hedge/Member	Mnths 15+	Increase	USD	450	450	650	650

CIG BASIS (CI)

CI	Spec	Mnth 1	Increase	USD	605	550	825	750
CI	Hedge/Member	Mnth 1	Increase	USD	550	550	750	750
CI	Spec	Mnths 2-6	Increase	USD	605	550	825	750
CI	Hedge/Member	Mnths 2-6	Increase	USD	550	550	750	750
CI	Spec	Mnths 7-12	Increase	USD	462	420	660	600
CI	Hedge/Member	Mnths 7-12	Increase	USD	420	420	600	600
CI	Spec	Mnths 13-32	Increase	USD	462	420	660	600
CI	Hedge/Member	Mnths 13-32	Increase	USD	420	420	600	600
CI	Spec	Mnths 33+	Increase	USD	462	420	660	600
CI	Hedge/Member	Mnths 33+	Increase	USD	420	420	600	600

ENABLE NAT GAS BASIS FUT (PW)

PW	Spec	Mnth 1	Increase	USD	187	170	242	220
PW	Hedge/Member	Mnth 1	Increase	USD	170	170	220	220
PW	Spec	Mnths 2-2	Increase	USD	187	170	242	220
PW	Hedge/Member	Mnths 2-2	Increase	USD	170	170	220	220
PW	Spec	Mnths 3-6	Increase	USD	187	170	242	220
PW	Hedge/Member	Mnths 3-6	Increase	USD	170	170	220	220

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HENRY HUB BASIS FUT (HB)								
HB	Spec	Mnth 1	Increase	USD	19	17	21	19
HB	Hedge/Member	Mnth 1	Increase	USD	17	17	19	19
HB	Spec	Mnth 2	Increase	USD	9	8	11	10
HB	Hedge/Member	Mnth 2	Increase	USD	8	8	10	10
HB	Spec	Mnths 3-7	Increase	USD	9	8	11	10
HB	Hedge/Member	Mnths 3-7	Increase	USD	8	8	10	10
HB	Spec	Mnths 8-14	Increase	USD	7	6	9	8
HB	Hedge/Member	Mnths 8-14	Increase	USD	6	6	8	8
HB	Spec	Mnths 15+	Increase	USD	7	6	9	8
HB	Hedge/Member	Mnths 15+	Increase	USD	6	6	8	8
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 1	Increase	USD	550	500	660	600
NL	Hedge/Member	Mnth 1	Increase	USD	500	500	600	600
NL	Spec	Mnth 2	Increase	USD	550	500	660	600
NL	Hedge/Member	Mnth 2	Increase	USD	500	500	600	600
NL	Spec	Mnths 3-6	Increase	USD	550	500	660	600
NL	Hedge/Member	Mnths 3-6	Increase	USD	500	500	600	600
NL	Spec	Mnths 7-12	Increase	USD	495	450	605	550
NL	Hedge/Member	Mnths 7-12	Increase	USD	450	450	550	550
NL	Spec	Mnths 13-25	Increase	USD	495	450	605	550
NL	Hedge/Member	Mnths 13-25	Increase	USD	450	450	550	550
NL	Spec	Mnths 26-49	Increase	USD	495	450	605	550
NL	Hedge/Member	Mnths 26-49	Increase	USD	450	450	550	550
NL	Spec	Mnths 50+	Increase	USD	495	450	605	550
NL	Hedge/Member	Mnths 50+	Increase	USD	450	450	550	550
NORTHERN NATURAL GAS DEMAR BASIS FU (PE)								
PE	Spec	Mnths 2-5	Increase	USD	550	500	825	750
PE	Hedge/Member	Mnths 2-5	Increase	USD	500	500	750	750
PE	Spec	Mnths 6+	Increase	USD	550	500	825	750
PE	Hedge/Member	Mnths 6+	Increase	USD	500	500	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ONEOK OKLAHOMA NG BASIS (8X)								
8X	Spec	Mnth 1	Increase	USD	578	525	688	625
8X	Hedge/Member	Mnth 1	Increase	USD	525	525	625	625
8X	Spec	Mnth 2	Increase	USD	578	525	688	625
8X	Hedge/Member	Mnth 2	Increase	USD	525	525	625	625
8X	Spec	Mnths 3-7	Increase	USD	578	525	688	625
8X	Hedge/Member	Mnths 3-7	Increase	USD	525	525	625	625
8X	Spec	Mnths 8-20	Increase	USD	440	400	605	550
8X	Hedge/Member	Mnths 8-20	Increase	USD	400	400	550	550
8X	Spec	Mnths 21+	Increase	USD	440	400	605	550
8X	Hedge/Member	Mnths 21+	Increase	USD	400	400	550	550
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 2	Increase	USD	1,155	1,050	1,650	1,500
PM	Hedge/Member	Mths 2	Increase	USD	1,050	1,050	1,500	1,500
PM	Spec	Mths 3-6	Increase	USD	1,155	1,050	1,650	1,500
PM	Hedge/Member	Mths 3-6	Increase	USD	1,050	1,050	1,500	1,500
SAN JUAN BASIS FUT (NJ)								
NJ	Spec	Mths 7-12	Increase	USD	550	500	715	650
NJ	Hedge/Member	Mths 7-12	Increase	USD	500	500	650	650
NJ	Spec	Mths 13+	Increase	USD	550	500	715	650
NJ	Hedge/Member	Mths 13+	Increase	USD	500	500	650	650
SOUTH STAR TEX OKLHM KNS NG B (8Z)								
8Z	Spec	Mnth 2-2	Increase	USD	495	450	605	550
8Z	Hedge/Member	Mnth 2-2	Increase	USD	450	450	550	550
8Z	Spec	Mnths 3-7	Increase	USD	495	450	605	550
8Z	Hedge/Member	Mnths 3-7	Increase	USD	450	450	550	550
8Z	Spec	Mnths 8+	Increase	USD	352	320	495	450
8Z	Hedge/Member	Mnths 8+	Increase	USD	320	320	450	450
SUMAS BASIS FUT (NK)								
NK	Spec	Mnths 15-34	Increase	USD	638	580	825	750
NK	Hedge/Member	Mnths 15-34	Increase	USD	580	580	750	750
NK	Spec	Mnths 35+	Increase	USD	638	580	825	750
NK	Hedge/Member	Mnths 35+	Increase	USD	580	580	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Summer 2019	Increase	USD	1,045	950	1,320	1,200
NZ	Hedge/Member	Summer 2019	Increase	USD	950	950	1,200	1,200
NZ	Spec	Winter 2019/2020	Increase	USD	1,045	950	1,320	1,200
NZ	Hedge/Member	Winter 2019/2020	Increase	USD	950	950	1,200	1,200
NZ	Spec	Summer 2020	Increase	USD	1,045	950	1,320	1,200
NZ	Hedge/Member	Summer 2020	Increase	USD	950	950	1,200	1,200
NZ	Spec	Apr 2021+	Increase	USD	1,045	950	1,320	1,200
NZ	Hedge/Member	Apr 2021+	Increase	USD	950	950	1,200	1,200
TRANSCO ZONE 6 NON NY BASIS FUT (TZ6)								
TZ6	Spec	Winter 2018/2019	Increase	USD	935	850	1,210	1,100
TZ6	Hedge/Member	Winter 2018/2019	Increase	USD	850	850	1,100	1,100
TZ6	Spec	Summer 2019	Increase	USD	935	850	1,210	1,100
TZ6	Hedge/Member	Summer 2019	Increase	USD	850	850	1,100	1,100
TZ6	Spec	Winter 2019/2020	Increase	USD	935	850	1,210	1,100
TZ6	Hedge/Member	Winter 2019/2020	Increase	USD	850	850	1,100	1,100
TZ6	Spec	Summer 2020	Increase	USD	935	850	1,210	1,100
TZ6	Hedge/Member	Summer 2020	Increase	USD	850	850	1,100	1,100
TZ6	Spec	APR 2021+	Increase	USD	935	850	1,210	1,100
TZ6	Hedge/Member	APR 2021+	Increase	USD	850	850	1,100	1,100
VENTURA BASIS FUT (PF)								
PF	Spec	Mnth 1	Increase	USD	1,100	1,000	1,430	1,300
PF	Hedge/Member	Mnth 1	Increase	USD	1,000	1,000	1,300	1,300
PF	Spec	Mnths 2-5	Increase	USD	935	850	1,100	1,000
PF	Hedge/Member	Mnths 2-5	Increase	USD	850	850	1,000	1,000
PF	Spec	Mnths 6+	Increase	USD	429	390	605	550
PF	Hedge/Member	Mnths 6+	Increase	USD	390	390	550	550
NGL/PETROCHEMICALS - Outright Rates								
MT. BELVIEU PHSCL ETHANE OPIS (3Q)								
3Q	Spec		Increase	USD	715	650	990	900
3Q	Hedge/Member		Increase	USD	650	650	900	900

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

PETROLEUM CRACKS AND SPREADS - Outright Rates

EAST/WEST FUEL OIL SPREAD FUT (EW)

EW	Spec	Mths 2	Increase	USD	3,190	2,900	4,400	4,000
EW	Hedge/Member	Mths 2	Increase	USD	2,900	2,900	4,000	4,000
EW	Spec	Mths 3-9	Increase	USD	3,025	2,750	3,520	3,200
EW	Hedge/Member	Mths 3-9	Increase	USD	2,750	2,750	3,200	3,200

MINI EAST-WEST FUEL OIL FUTURES (MEW)

MEW	Spec	Mths 2	Increase	USD	319	290	440	400
MEW	Hedge/Member	Mths 2	Increase	USD	290	290	400	400
MEW	Spec	Mths 3-9	Increase	USD	303	275	352	320
MEW	Hedge/Member	Mths 3-9	Increase	USD	275	275	320	320

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
REFINED PRODUCTS - Outright Rates								
EIA FLAT TAX ONHWAY DIESEL FUT (A5)								
A5	Spec	Mnth 1	Increase	USD	4,510	4,100	4,840	4,400
A5	Hedge/Member	Mnth 1	Increase	USD	4,100	4,100	4,400	4,400
A5	Spec	Mnths 2-6	Increase	USD	4,510	4,100	4,840	4,400
A5	Hedge/Member	Mnths 2-6	Increase	USD	4,100	4,100	4,400	4,400
A5	Spec	Mnths 7+	Increase	USD	4,070	3,700	4,400	4,000
A5	Hedge/Member	Mnths 7+	Increase	USD	3,700	3,700	4,000	4,000
EIA FLAT TAX US RETAIL GASOLINE FUT (JE)								
JE	Spec	Mths 8+	Increase	USD	4,400	4,000	4,730	4,300
JE	Hedge/Member	Mths 8+	Increase	USD	4,000	4,000	4,300	4,300
EUR 0.5% VS. EUR 3.5% (R53)								
R53	Spec	Month 1	New	USD			15,675	14,250
R53	Hedge/Member	Month 1	New	USD			14,250	14,250
R53	Spec	Month 2	New	USD			15,675	14,250
R53	Hedge/Member	Month 2	New	USD			14,250	14,250
R53	Spec	Month 3+	New	USD			15,400	14,000
R53	Hedge/Member	Month 3+	New	USD			14,000	14,000
EUROPEAN FOB RDAM MARINE FUEL 0.5% (R5F)								
R5F	Spec	Month 1	New	USD			33,000	30,000
R5F	Hedge/Member	Month 1	New	USD			30,000	30,000
R5F	Spec	Month 2	New	USD			33,000	30,000
R5F	Hedge/Member	Month 2	New	USD			30,000	30,000
R5F	Spec	Month 3+	New	USD			31,900	29,000
R5F	Hedge/Member	Month 3+	New	USD			29,000	29,000
GROUP THREE ULSD (PLATTS) FUT (A7)								
A7	Spec	Mnth 1	Increase	USD	4,400	4,000	4,620	4,200
A7	Hedge/Member	Mnth 1	Increase	USD	4,000	4,000	4,200	4,200
A7	Spec	Mnths 2-6	Increase	USD	4,400	4,000	4,620	4,200
A7	Hedge/Member	Mnths 2-6	Increase	USD	4,000	4,000	4,200	4,200
A7	Spec	Mnths 7+	Increase	USD	4,180	3,800	4,400	4,000
A7	Hedge/Member	Mnths 7+	Increase	USD	3,800	3,800	4,000	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnth 1	Increase	USD	43,450	39,500	46,200	42,000
JA	Hedge/Member	Mnth 1	Increase	USD	39,500	39,500	42,000	42,000
JA	Spec	Mnths 2-6	Increase	USD	43,450	39,500	46,200	42,000
JA	Hedge/Member	Mnths 2-6	Increase	USD	39,500	39,500	42,000	42,000
JA	Spec	Mnths 7+	Increase	USD	41,250	37,500	44,000	40,000
JA	Hedge/Member	Mnths 7+	Increase	USD	37,500	37,500	40,000	40,000
MICRO EURO MARINE 0.5% FO BARGES (R5O)								
R5O	Spec	Month 1	New	USD			330	300
R5O	Hedge/Member	Month 1	New	USD			300	300
R5O	Spec	Month 2	New	USD			330	300
R5O	Hedge/Member	Month 2	New	USD			300	300
R5O	Spec	Month 3+	New	USD			319	290
R5O	Hedge/Member	Month 3+	New	USD			290	290
MICRO SINGAPORE FOB MARINE FUEL 0.5 (S5O)								
S5O	Spec	Month 1	New	USD			330	300
S5O	Hedge/Member	Month 1	New	USD			300	300
S5O	Spec	Month 2	New	USD			330	300
S5O	Hedge/Member	Month 2	New	USD			300	300
S5O	Spec	Month 3+	New	USD			330	300
S5O	Hedge/Member	Month 3+	New	USD			300	300
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnth 1	Increase	USD	4,345	3,950	4,620	4,200
MJN	Hedge/Member	Mnth 1	Increase	USD	3,950	3,950	4,200	4,200
MJN	Spec	Mnths 2-6	Increase	USD	4,345	3,950	4,620	4,200
MJN	Hedge/Member	Mnths 2-6	Increase	USD	3,950	3,950	4,200	4,200
MJN	Spec	Mnths 7+	Increase	USD	4,125	3,750	4,400	4,000
MJN	Hedge/Member	Mnths 7+	Increase	USD	3,750	3,750	4,000	4,000
MINI EUROPEAN FOB RDAM MARINE FUEL (R5M)								
R5M	Spec	Month 1	New	USD			3,300	3,000
R5M	Hedge/Member	Month 1	New	USD			3,000	3,000
R5M	Spec	Month 2	New	USD			3,300	3,000
R5M	Hedge/Member	Month 2	New	USD			3,000	3,000
R5M	Spec	Month 3+	New	USD			3,190	2,900
R5M	Hedge/Member	Month 3+	New	USD			2,900	2,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINI SINGAPORE FOB MARINE FUEL 0.5% (\$5M)								
S5M	Spec	Month 1	New	USD			3,300	3,000
S5M	Hedge/Member	Month 1	New	USD			3,000	3,000
S5M	Spec	Month 2	New	USD			3,300	3,000
S5M	Hedge/Member	Month 2	New	USD			3,000	3,000
S5M	Spec	Month 3+	New	USD			3,300	3,000
S5M	Hedge/Member	Month 3+	New	USD			3,000	3,000
MINI SINGP FUEL OIL 180CST FUTURES (0F)								
0F	Spec	Mnth 1	Increase	USD	2,723	2,475	3,080	2,800
0F	Hedge/Member	Mnth 1	Increase	USD	2,475	2,475	2,800	2,800
0F	Spec	Mnth 2	Increase	USD	2,723	2,475	3,080	2,800
0F	Hedge/Member	Mnth 2	Increase	USD	2,475	2,475	2,800	2,800
0F	Spec	Mnths 3-7	Increase	USD	2,596	2,360	2,970	2,700
0F	Hedge/Member	Mnths 3-7	Increase	USD	2,360	2,360	2,700	2,700
0F	Spec	Mnths 8+	Increase	USD	2,530	2,300	2,915	2,650
0F	Hedge/Member	Mnths 8+	Increase	USD	2,300	2,300	2,650	2,650
NY HARBOR RESIDUAL FUEL 1.0% S FUT (MM)								
MM	Spec	Mnth 1	Increase	USD	4,565	4,150	5,060	4,600
MM	Hedge/Member	Mnth 1	Increase	USD	4,150	4,150	4,600	4,600
MM	Spec	Mnths 2-6	Increase	USD	4,510	4,100	4,950	4,500
MM	Hedge/Member	Mnths 2-6	Increase	USD	4,100	4,100	4,500	4,500
SIN FOB 0.5% (PLT) VS EUR FOB RDAM (SR5)								
SR5	Spec	Month 1	New	USD			5,940	5,400
SR5	Hedge/Member	Month 1	New	USD			5,400	5,400
SR5	Spec	Month 2	New	USD			4,400	4,000
SR5	Hedge/Member	Month 2	New	USD			4,000	4,000
SR5	Spec	Month 3+	New	USD			3,300	3,000
SR5	Hedge/Member	Month 3+	New	USD			3,000	3,000
SINGAPORE FOB MARINE 0.5% (PLATTS) (\$53)								
S53	Spec	Month 1	New	USD			15,675	14,250
S53	Hedge/Member	Month 1	New	USD			14,250	14,250
S53	Spec	Month 2	New	USD			15,400	14,000
S53	Hedge/Member	Month 2	New	USD			14,000	14,000
S53	Spec	Month 3+	New	USD			15,400	14,000
S53	Hedge/Member	Month 3+	New	USD			14,000	14,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SINGAPORE FOB MARINE FUEL 0.5% (PLA (S5F))

S5F	Spec	Month 1	New	USD			33,000	30,000
S5F	Hedge/Member	Month 1	New	USD			30,000	30,000
S5F	Spec	Month 2	New	USD			33,000	30,000
S5F	Hedge/Member	Month 2	New	USD			30,000	30,000
S5F	Spec	Month 3+	New	USD			33,000	30,000
S5F	Hedge/Member	Month 3+	New	USD			30,000	30,000

SINGAPORE FUEL 180CST CALFUT (UA)

UA	Spec	Mnth 1	Increase	USD	27,225	24,750	30,800	28,000
UA	Hedge/Member	Mnth 1	Increase	USD	24,750	24,750	28,000	28,000
UA	Spec	Mnth 2	Increase	USD	27,225	24,750	30,800	28,000
UA	Hedge/Member	Mnth 2	Increase	USD	24,750	24,750	28,000	28,000
UA	Spec	Mnths 3-7	Increase	USD	25,960	23,600	29,700	27,000
UA	Hedge/Member	Mnths 3-7	Increase	USD	23,600	23,600	27,000	27,000
UA	Spec	Mnths 8+	Increase	USD	25,300	23,000	29,150	26,500
UA	Hedge/Member	Mnths 8+	Increase	USD	23,000	23,000	26,500	26,500

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

H5F	Spec	Month 1	New	USD			5,280	4,800
H5F	Hedge/Member	Month 1	New	USD			4,800	4,800
H5F	Spec	Month 2	New	USD			5,280	4,800
H5F	Hedge/Member	Month 2	New	USD			4,800	4,800
H5F	Spec	Month 3+	New	USD			5,280	4,800
H5F	Hedge/Member	Month 3+	New	USD			4,800	4,800

USGC MARINE FUEL 0.5% (PLATTS) VS. (H5G)

H5G	Spec	Month 1	New	USD			1,925	1,750
H5G	Hedge/Member	Month 1	New	USD			1,750	1,750
H5G	Spec	Month 2	New	USD			1,925	1,750
H5G	Hedge/Member	Month 2	New	USD			1,750	1,750
H5G	Spec	Month 3+	New	USD			1,650	1,500
H5G	Hedge/Member	Month 3+	New	USD			1,500	1,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
COAL - Intra Spreads								
Consecutive Spread (COAL (ICI4) INDONESIAN COAL INDEX)								
ICI	Spec		New	USD			1,100	1,000
ICI	Hedge/Member		New	USD			1,000	1,000
Mnth 1 vs Mnth 2 (COAL (ICI4) INDONESIAN COAL INDEX)								
ICI	Spec		Decrease	USD	3,388	3,080	3,300	3,000
ICI	Hedge/Member		Decrease	USD	3,080	3,080	3,000	3,000
Mnth 1 vs Mnth 2+ (COAL (ICI4) INDONESIAN COAL INDEX)								
ICI	Spec		New	USD			2,970	2,700
ICI	Hedge/Member		New	USD			2,700	2,700
Mnth 2 vs Mnth 2+ (COAL (ICI4) INDONESIAN COAL INDEX)								
ICI	Spec		New	USD			2,035	1,850
ICI	Hedge/Member		New	USD			1,850	1,850

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								
(EUR 0.5% VS. EUR 3.5%)								
R53	Spec		New	USD			7,700	7,000
R53	Spec		New	USD			8,250	7,500
R53	Spec		New	USD			11,550	10,500
R53	Hedge/Member		New	USD			7,000	7,000
R53	Hedge/Member		New	USD			7,500	7,500
R53	Hedge/Member		New	USD			10,500	10,500
(EUROPEAN FOB RDAM MARINE FUEL 0.5%)								
R5F	Spec		New	USD			9,900	9,000
R5F	Spec		New	USD			20,350	18,500
R5F	Hedge/Member		New	USD			9,000	9,000
R5F	Hedge/Member		New	USD			18,500	18,500
(MICRO EURO MARINE 0.5% FO BARGES)								
R5O	Spec		New	USD			99	90
R5O	Spec		New	USD			204	185
R5O	Hedge/Member		New	USD			90	90
R5O	Hedge/Member		New	USD			185	185
(MICRO SINGAPORE FOB MARINE FUEL 0.5)								
S5O	Spec		New	USD			198	180
S5O	Spec		New	USD			66	60
S5O	Hedge/Member		New	USD			60	60
S5O	Hedge/Member		New	USD			180	180
(MINI EUROPEAN FOB RDAM MARINE FUEL)								
R5M	Spec		New	USD			990	900
R5M	Spec		New	USD			2,035	1,850
R5M	Hedge/Member		New	USD			1,850	1,850
R5M	Hedge/Member		New	USD			900	900
(MINI SINGAPORE FOB MARINE FUEL 0.5%)								
S5M	Spec		New	USD			660	600
S5M	Spec		New	USD			1,980	1,800
S5M	Hedge/Member		New	USD			1,800	1,800
S5M	Hedge/Member		New	USD			600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
(SIN FOB 0.5% (PLT) VS EUR FOB RDAM)								
SR5	Spec		New	USD			2,200	2,000
SR5	Spec		New	USD			3,575	3,250
SR5	Spec		New	USD			4,400	4,000
SR5	Hedge/Member		New	USD			2,000	2,000
SR5	Hedge/Member		New	USD			3,250	3,250
SR5	Hedge/Member		New	USD			4,000	4,000
(SINGAPORE FOB MARINE 0.5% (PLATTS))								
S53	Spec		New	USD			7,700	7,000
S53	Spec		New	USD			11,000	10,000
S53	Hedge/Member		New	USD			7,000	7,000
S53	Hedge/Member		New	USD			10,000	10,000
(SINGAPORE FOB MARINE FUEL 0.5% (PLA))								
S5F	Spec		New	USD			19,800	18,000
S5F	Spec		New	USD			6,600	6,000
S5F	Hedge/Member		New	USD			18,000	18,000
S5F	Hedge/Member		New	USD			6,000	6,000
(USGC MARINE FUEL 0.5% (PLATTS) VS.)								
H5G	Spec		New	USD			1,100	1,000
H5G	Spec		New	USD			1,210	1,100
H5G	Hedge/Member		New	USD			1,000	1,000
H5G	Hedge/Member		New	USD			1,100	1,100
Month 2 vs 3+ (USGC MARINE FUEL 0.5% (PLATTS) FUTU)								
H5F	Spec		New	USD			1,320	1,200
H5F	Hedge/Member		New	USD			1,200	1,200
Month 3 vs 3+ (USGC MARINE FUEL 0.5% (PLATTS) FUTU)								
H5F	Spec		New	USD			1,100	1,000
H5F	Hedge/Member		New	USD			1,000	1,000
Months 1 v 2 (USGC MARINE FUEL 0.5% (PLATTS) FUTU)								
H5F	Spec		New	USD			3,300	3,000
H5F	Hedge/Member		New	USD			3,000	3,000
Months 1 vs 3+ (USGC MARINE FUEL 0.5% (PLATTS) FUTU)								
H5F	Spec		New	USD			3,300	3,000
H5F	Hedge/Member		New	USD			3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
(NY-R5F - CME) vs (NY-CL - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	New	+3:-19			65%	65%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
Spread Credit Rate	New	+3:-19			55%	55%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - 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						
DME Products - Inter-commodity Spread Rates						
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
ELECTRICITY - Inter-commodity Spread Rates						
ISO New England North East Massachusetts Zone 5 MW Off-Peak Calendar-Month Day-Ahead LMP Futures (NY-P8-CME) vs ISO New England North East Massachusetts Zone 5 MW Peak Calendar-Month Day-Ahead LMP Futures (NY-P7-CME)						
Spread Credit Rate	Decrease	+16:-1	90%	90%	84%	84%
INTEREST RATES - Inter-commodity Spread Rates						
U.S. Treasury Bond (17) vs. 2-Year T-Note (26)						
Spread Credit Rate	Decrease	+1:-6	65%	65%	60%	60%
ULTRA LONG TREASURY BOND (UBE - CME) vs 2 YR NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:-8	65%	65%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NATURAL GAS - Inter-commodity Spread Rates

HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)

Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
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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						
(NY-R5F - CME) vs (NY-CL - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	New	+3:-19			65%	65%
(NY-R5F - CME) vs (NY-HO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
Spread Credit Rate	New	+3:-19			55%	55%
(NY-R5F - CME) vs (NY-LY - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
Spread Credit Rate	New	+3:-19			65%	65%
(NY-R5F - CME) vs (NY-MF - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
(NY-R5F - CME) vs (NY-UV - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:-1			70%	70%
(NY-R5F - CME) vs (NY-VL - CME)						
Spread Credit Rate	New	+3:-19			85%	85%
EUROPEAN FOB RDAM MARINE FUEL 0.5% (PLATTS) VS EUROPEAN 3.5% FOB BARGES (PLATTS) FUTURES (NY-R53 - CME) vs EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (						
Spread Credit Rate	New	+1:-1:+1			100%	100%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME)						
Spread Credit Rate	New	+1:-1			90%	90%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
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	New	+1:-1			70%	70%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+3:-19			75%	75%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:+1			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:-1			80%	80%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+3:-19			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+3:-19			75%	75%
Spread Credit Rate	New	+3:-19			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
Spread Credit Rate	New	+3:-19			55%	55%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-19			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+3:-19			85%	85%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-SR5 - CME) vs SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F -						
Spread Credit Rate	New	+1:-1:+1			100%	100%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS SINGAPORE 380 CST FUEL OIL (PLATTS) FUTURES (NY-S53 - CME) vs SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1:+1			100%	100%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+19:-3			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME)						
Spread Credit Rate	New	+19:-3			70%	70%
Spread Credit Rate	New	+19:-3			65%	65%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			80%	80%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:-3			75%	75%
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	New	+19:-3			80%	80%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:-1			70%	70%
USGC MARINE FUEL 0.5% (PLATTS) VS GULF COAST HSFO (PLATTS) FUTURES (NY-H5G - CME) vs USGC MARINE FUEL 0.5% (PLATTS) FUTURES (NY-H5F - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1:+1			100%	100%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
REFINED PRODUCTS - Short Option Minimum (SOM) Rate						
EUROPEAN FOB RDAM MARINE FUEL 0.5% (PLATTS) VS EUROPEAN 3.5% FOB BARGES (PLATTS) FUTURES (R53) - SOM						
Clearing Member Rate		New			275.00	250.00
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (R5F, R5M, R5O) - SOM						
Clearing Member Rate		New			275.00	250.00
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (S5F, S5M, S5O) - SOM						
Clearing Member Rate		New			275.00	250.00
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (SR5) - SOM						
Clearing Member Rate		New			275.00	250.00
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS SINGAPORE 380 CST FUEL OIL (PLATTS) FUTURES (S53) - SOM						
Clearing Member Rate		New			275.00	250.00
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (H5F) - SOM						
Clearing Member Rate		New			275.00	250.00
USGC MARINE FUEL 0.5% (PLATTS) VS GULF COAST HSFO (PLATTS) FUTURES (H5G) - SOM						
Clearing Member Rate		New			275.00	250.00

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
EQUITY INDEX - Volatility Scan (volScan) Rate						
E-MINI DOW (\$5) FUTURES (11, 11, DO, EYM, EZD, YM, YM, YMI, YMT) - volScan						
Clearing Member Rate		Increase		35.000%		40.000%
E-MINI NASDAQ-100 FUTURES (7H, DN, ND, ND, NQ, NQ, NQI, NQT, QN, YH) - volScan						
Clearing Member Rate		Increase		40.000%		45.000%
FREIGHT - Volatility Scan (volScan) Rate						
FREIGHT ROUTE TD7 (BALTIC) SWAP FUTURES (TK) - volScan						
Clearing Member Rate	Mnth 2+	New				5.000%
Clearing Member Rate	Mnth 1	New				5.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
NATURAL GAS - Volatility Scan (volScan) Rate						
HENRY HUB NATURAL GAS FUTURES (HHE, HHQ, KD, LN, LNW, MNG, NG, NGT, ON, ONW, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31) - volScan						
Clearing Member Rate	Mnth17	Increase		8.000%		10.000%
Clearing Member Rate	Mnth18	Increase		8.000%		10.000%
Clearing Member Rate	Mnth19	Increase		8.000%		10.000%
Clearing Member Rate	Mnth20	Increase		8.000%		10.000%
Clearing Member Rate	Mnth21	Increase		8.000%		10.000%
Clearing Member Rate	Mnth22	Increase		8.000%		10.000%
Clearing Member Rate	Mnth23	Increase		8.000%		10.000%
Clearing Member Rate	Mnth24	Increase		8.000%		10.000%
Clearing Member Rate	Mnth25	Increase		8.000%		10.000%
Clearing Member Rate	Mnth26	Increase		8.000%		10.000%
Clearing Member Rate	Mnth27	Increase		8.000%		10.000%
Clearing Member Rate	Mnth28	Increase		8.000%		10.000%
Clearing Member Rate	Mnth29	Increase		8.000%		10.000%
Clearing Member Rate	Mnth30	Increase		8.000%		10.000%
Clearing Member Rate	Mnth31	Increase		8.000%		10.000%
Clearing Member Rate	Mnth32	Increase		8.000%		10.000%
Clearing Member Rate	Mnth33	Increase		8.000%		10.000%
Clearing Member Rate	Mnth34	Increase		8.000%		10.000%
Clearing Member Rate	Mnth35	Increase		8.000%		10.000%
Clearing Member Rate	Mnth36	Increase		8.000%		10.000%
Clearing Member Rate	Mnth37	Increase		8.000%		10.000%
Clearing Member Rate	Mnth38	Increase		8.000%		10.000%
Clearing Member Rate	Mnth39	Increase		8.000%		10.000%
Clearing Member Rate	Mnth40	Increase		8.000%		10.000%
Clearing Member Rate	Mnth41	Increase		8.000%		10.000%
Clearing Member Rate	Mnth42	Increase		8.000%		10.000%
Clearing Member Rate	Mnth43	Increase		8.000%		10.000%
Clearing Member Rate	Mnth44	Increase		8.000%		10.000%
Clearing Member Rate	Mnth45	Increase		8.000%		10.000%
Clearing Member Rate	Mnth46	Increase		8.000%		10.000%
Clearing Member Rate	Mnth47	Increase		8.000%		10.000%
Clearing Member Rate	Mnth48	Increase		8.000%		10.000%
Clearing Member Rate	Mnth49	Increase		8.000%		10.000%
Clearing Member Rate	Mnth50	Increase		8.000%		10.000%
Clearing Member Rate	Mnth51	Increase		8.000%		10.000%
Clearing Member Rate	Mnth52	Increase		8.000%		10.000%
Clearing Member Rate	Mnth53	Increase		8.000%		10.000%
Clearing Member Rate	Mnth54	Increase		8.000%		10.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth55	Increase		8.000%		10.000%
Clearing Member Rate	Mnth56	Increase		8.000%		10.000%
Clearing Member Rate	Mnth57	Increase		8.000%		10.000%
Clearing Member Rate	Mnth58	Increase		8.000%		10.000%
Clearing Member Rate	Mnth59	Increase		8.000%		10.000%
Clearing Member Rate	Mnth60	Increase		8.000%		10.000%
Clearing Member Rate	Mnth61	Increase		8.000%		10.000%
Clearing Member Rate	Mnth62	Increase		8.000%		10.000%
Clearing Member Rate	Mnth63	Increase		8.000%		10.000%
Clearing Member Rate	Mnth64	Increase		8.000%		10.000%
Clearing Member Rate	Mnth65	Increase		8.000%		10.000%
Clearing Member Rate	Mnth66	Increase		8.000%		10.000%
Clearing Member Rate	Mnth67	Increase		8.000%		10.000%
Clearing Member Rate	Mnth68	Increase		8.000%		10.000%
Clearing Member Rate	Mnth69	Increase		8.000%		10.000%
Clearing Member Rate	Mnth70	Increase		8.000%		10.000%
Clearing Member Rate	Mnth71	Increase		8.000%		10.000%
Clearing Member Rate	Mnth72	Increase		8.000%		10.000%
Clearing Member Rate	Mnth73+	Increase		8.000%		10.000%
HENRY HUB NATURAL GAS PENULTIMATE FINANCIAL FUTURES (E7, HH, HP, NP, QG) - volScan						
Clearing Member Rate	Mnth17	Increase		8.000%		10.000%
Clearing Member Rate	Mnth18	Increase		8.000%		10.000%
Clearing Member Rate	Mnth19	Increase		8.000%		10.000%
Clearing Member Rate	Mnth20	Increase		8.000%		10.000%
Clearing Member Rate	Mnth21	Increase		8.000%		10.000%
Clearing Member Rate	Mnth22	Increase		8.000%		10.000%
Clearing Member Rate	Mnth23	Increase		8.000%		10.000%
Clearing Member Rate	Mnth24	Increase		8.000%		10.000%
Clearing Member Rate	Mnth25	Increase		8.000%		10.000%
Clearing Member Rate	Mnth26	Increase		8.000%		10.000%
Clearing Member Rate	Mnth27	Increase		8.000%		10.000%
Clearing Member Rate	Mnth28	Increase		8.000%		10.000%
Clearing Member Rate	Mnth29	Increase		8.000%		10.000%
Clearing Member Rate	Mnth30	Increase		8.000%		10.000%
Clearing Member Rate	Mnth31	Increase		8.000%		10.000%
Clearing Member Rate	Mnth32	Increase		8.000%		10.000%
Clearing Member Rate	Mnth33	Increase		8.000%		10.000%
Clearing Member Rate	Mnth34	Increase		8.000%		10.000%
Clearing Member Rate	Mnth35	Increase		8.000%		10.000%
Clearing Member Rate	Mnth36	Increase		8.000%		10.000%
Clearing Member Rate	Mnth37	Increase		8.000%		10.000%
Clearing Member Rate	Mnth38	Increase		8.000%		10.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth39	Increase		8.000%		10.000%
Clearing Member Rate	Mnth40	Increase		8.000%		10.000%
Clearing Member Rate	Mnth41	Increase		8.000%		10.000%
Clearing Member Rate	Mnth42	Increase		8.000%		10.000%
Clearing Member Rate	Mnth43	Increase		8.000%		10.000%
Clearing Member Rate	Mnth44	Increase		8.000%		10.000%
Clearing Member Rate	Mnth45	Increase		8.000%		10.000%
Clearing Member Rate	Mnth46	Increase		8.000%		10.000%
Clearing Member Rate	Mnth47	Increase		8.000%		10.000%
Clearing Member Rate	Mnth48	Increase		8.000%		10.000%
Clearing Member Rate	Mnth49	Increase		8.000%		10.000%
Clearing Member Rate	Mnth50	Increase		8.000%		10.000%
Clearing Member Rate	Mnth51	Increase		8.000%		10.000%
Clearing Member Rate	Mnth52	Increase		8.000%		10.000%
Clearing Member Rate	Mnth53	Increase		8.000%		10.000%
Clearing Member Rate	Mnth54	Increase		8.000%		10.000%
Clearing Member Rate	Mnth55	Increase		8.000%		10.000%
Clearing Member Rate	Mnth56	Increase		8.000%		10.000%
Clearing Member Rate	Mnth57	Increase		8.000%		10.000%
Clearing Member Rate	Mnth58	Increase		8.000%		10.000%
Clearing Member Rate	Mnth59	Increase		8.000%		10.000%
Clearing Member Rate	Mnth60	Increase		8.000%		10.000%
Clearing Member Rate	Mnth61	Increase		8.000%		10.000%
Clearing Member Rate	Mnth62	Increase		8.000%		10.000%
Clearing Member Rate	Mnth63	Increase		8.000%		10.000%
Clearing Member Rate	Mnth64	Increase		8.000%		10.000%
Clearing Member Rate	Mnth65	Increase		8.000%		10.000%
Clearing Member Rate	Mnth66	Increase		8.000%		10.000%
Clearing Member Rate	Mnth67	Increase		8.000%		10.000%
Clearing Member Rate	Mnth68	Increase		8.000%		10.000%
Clearing Member Rate	Mnth69	Increase		8.000%		10.000%
Clearing Member Rate	Mnth70	Increase		8.000%		10.000%
Clearing Member Rate	Mnth71	Increase		8.000%		10.000%
Clearing Member Rate	Mnth72	Increase		8.000%		10.000%
Clearing Member Rate	Mnth73+	Increase		8.000%		10.000%
NYMEX NATURAL GAS (H.HUB LTD) FUT (E7, HH, HHT, NN, NNT) - volScan						
Clearing Member Rate	Mnth17	Increase		8.000%		10.000%
Clearing Member Rate	Mnth18	Increase		8.000%		10.000%
Clearing Member Rate	Mnth19	Increase		8.000%		10.000%
Clearing Member Rate	Mnth20	Increase		8.000%		10.000%
Clearing Member Rate	Mnth21	Increase		8.000%		10.000%
Clearing Member Rate	Mnth22	Increase		8.000%		10.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth23	Increase		8.000%		10.000%
Clearing Member Rate	Mnth24	Increase		8.000%		10.000%
Clearing Member Rate	Mnth25	Increase		8.000%		10.000%
Clearing Member Rate	Mnth26	Increase		8.000%		10.000%
Clearing Member Rate	Mnth27	Increase		8.000%		10.000%
Clearing Member Rate	Mnth28	Increase		8.000%		10.000%
Clearing Member Rate	Mnth29	Increase		8.000%		10.000%
Clearing Member Rate	Mnth30	Increase		8.000%		10.000%
Clearing Member Rate	Mnth31	Increase		8.000%		10.000%
Clearing Member Rate	Mnth32	Increase		8.000%		10.000%
Clearing Member Rate	Mnth33	Increase		8.000%		10.000%
Clearing Member Rate	Mnth34	Increase		8.000%		10.000%
Clearing Member Rate	Mnth35	Increase		8.000%		10.000%
Clearing Member Rate	Mnth36	Increase		8.000%		10.000%
Clearing Member Rate	Mnth37	Increase		8.000%		10.000%
Clearing Member Rate	Mnth38	Increase		8.000%		10.000%
Clearing Member Rate	Mnth39	Increase		8.000%		10.000%
Clearing Member Rate	Mnth40	Increase		8.000%		10.000%
Clearing Member Rate	Mnth41	Increase		8.000%		10.000%
Clearing Member Rate	Mnth42	Increase		8.000%		10.000%
Clearing Member Rate	Mnth43	Increase		8.000%		10.000%
Clearing Member Rate	Mnth44	Increase		8.000%		10.000%
Clearing Member Rate	Mnth45	Increase		8.000%		10.000%
Clearing Member Rate	Mnth46	Increase		8.000%		10.000%
Clearing Member Rate	Mnth47	Increase		8.000%		10.000%
Clearing Member Rate	Mnth48	Increase		8.000%		10.000%
Clearing Member Rate	Mnth49	Increase		8.000%		10.000%
Clearing Member Rate	Mnth50	Increase		8.000%		10.000%
Clearing Member Rate	Mnth51	Increase		8.000%		10.000%
Clearing Member Rate	Mnth52	Increase		8.000%		10.000%
Clearing Member Rate	Mnth53	Increase		8.000%		10.000%
Clearing Member Rate	Mnth54	Increase		8.000%		10.000%
Clearing Member Rate	Mnth55	Increase		8.000%		10.000%
Clearing Member Rate	Mnth56	Increase		8.000%		10.000%
Clearing Member Rate	Mnth57	Increase		8.000%		10.000%
Clearing Member Rate	Mnth58	Increase		8.000%		10.000%
Clearing Member Rate	Mnth59	Increase		8.000%		10.000%
Clearing Member Rate	Mnth60	Increase		8.000%		10.000%
Clearing Member Rate	Mnth61	Increase		8.000%		10.000%
Clearing Member Rate	Mnth62	Increase		8.000%		10.000%
Clearing Member Rate	Mnth63	Increase		8.000%		10.000%
Clearing Member Rate	Mnth64	Increase		8.000%		10.000%
Clearing Member Rate	Mnth65	Increase		8.000%		10.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth66	Increase		8.000%		10.000%
Clearing Member Rate	Mnth67	Increase		8.000%		10.000%
Clearing Member Rate	Mnth68	Increase		8.000%		10.000%
Clearing Member Rate	Mnth69	Increase		8.000%		10.000%
Clearing Member Rate	Mnth70	Increase		8.000%		10.000%
Clearing Member Rate	Mnth71	Increase		8.000%		10.000%
Clearing Member Rate	Mnth72	Increase		8.000%		10.000%
Clearing Member Rate	Mnth73+	Increase		8.000%		10.000%
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
EUROPEAN FOB RDAM MARINE FUEL 0.5% (PLATTS) VS EUROPEAN 3.5% FOB BARGES (PLATTS) FUTURES (R53) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (R5F, R5M, R5O) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (S5F, S5M, S5O) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (SR5) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) VS SINGAPORE 380 CST FUEL OIL (PLATTS) FUTURES (S53) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
USGC MARINE FUEL 0.5% (PLATTS) FUTURES (H5F) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%
USGC MARINE FUEL 0.5% (PLATTS) VS GULF COAST HSFO (PLATTS) FUTURES (H5G) - volScan						
Clearing Member Rate	Month 1	New				7.000%
Clearing Member Rate	Month 2	New				2.500%
Clearing Member Rate	Month 3+	New				2.500%