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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, May 10, 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, May 11, 2018.

Current rates as of:

Thursday, May 10, 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								
CASH BUTTER FUTURES (CB)								
CB	Spec	Month 1	Decrease	USD	1,210	1,100	1,045	950
CB	Hedge/Member	Month 1	Decrease	USD	1,100	1,100	950	950
CASH CHEESE FUTURES (CSC)								
CSC	Spec	Mnth 1	Decrease	USD	468	425	424	385
CSC	Hedge/Member	Mnth 1	Decrease	USD	425	425	385	385
CSC	Spec	Mnths 2-5	Decrease	USD	853	775	770	700
CSC	Hedge/Member	Mnths 2-5	Decrease	USD	775	775	700	700
CSC	Spec	Mnths 6+	Decrease	USD	484	440	440	400
CSC	Hedge/Member	Mnths 6+	Decrease	USD	440	440	400	400
NONFAT DRY MILK FUTURES (NF)								
NF	Spec	Month 1	Decrease	USD	798	725	743	675
NF	Hedge/Member	Month 1	Decrease	USD	725	725	675	675
NF	Spec	Month 3-4	Increase	USD	1,595	1,450	1,760	1,600
NF	Hedge/Member	Month 3-4	Increase	USD	1,450	1,450	1,600	1,600
NF	Spec	Month 5+	Increase	USD	1,595	1,450	1,760	1,600
NF	Hedge/Member	Month 5+	Increase	USD	1,450	1,450	1,600	1,600
EQUITY INDEX - Outright Rates								
BTIC SP 500 UTILITIES SEL SECTOR (XUT)								
XUT	Spec		Increase	USD	1,375	1,250	1,485	1,350
XUT	Hedge/Member		Increase	USD	1,250	1,250	1,350	1,350
EMINI SP500-UTILITIES SECTOR INDEX (XAU)								
XAU	Spec		Increase	USD	1,375	1,250	1,485	1,350
XAU	Hedge/Member		Increase	USD	1,250	1,250	1,350	1,350
SP 500 UTILITIES SEL SECTOR SYNTH (1UT)								
1UT	Spec		Increase	USD	1,375	1,250	1,485	1,350
1UT	Hedge/Member		Increase	USD	1,250	1,250	1,350	1,350
FX - Outright Rates								
EC/SKR CROSS RATE FUTURES (KE)								
KE	Spec		Increase	SEK	19,250	17,500	21,450	19,500
KE	Hedge/Member		Increase	SEK	17,500	17,500	19,500	19,500

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								
SPORE FUEL OIL 180CST 6.35 DUBAI CK (STS)								
STS	Spec	Mnths 2+	Increase	USD	1,100	1,000	1,265	1,150
STS	Hedge/Member	Mnths 2+	Increase	USD	1,000	1,000	1,150	1,150

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					
EUROPE 3.5% FUEL OIL RDAM CALFUT (UV)								
UV	Spec	Mnths 2-6	Increase	USD	12,100	11,000	13,200	12,000
UV	Hedge/Member	Mnths 2-6	Increase	USD	11,000	11,000	12,000	12,000
UV	Spec	Mnths 7-10	Increase	USD	12,650	11,500	13,200	12,000
UV	Hedge/Member	Mnths 7-10	Increase	USD	11,500	11,500	12,000	12,000
EUROPE NAPHTHA CALFUT (UN)								
UN	Spec	Mths 1	Increase	USD	17,325	15,750	18,700	17,000
UN	Hedge/Member	Mths 1	Increase	USD	15,750	15,750	17,000	17,000
UN	Spec	Mths 2-6	Increase	USD	19,250	17,500	20,350	18,500
UN	Hedge/Member	Mths 2-6	Increase	USD	17,500	17,500	18,500	18,500
UN	Spec	Mnths 7+	Increase	USD	18,700	17,000	19,800	18,000
UN	Hedge/Member	Mnths 7+	Increase	USD	17,000	17,000	18,000	18,000
GULF COAST ULSD CALENDAR FUT (LY)								
LY	Spec	Mnths 7-12	Increase	USD	2,640	2,400	2,860	2,600
LY	Hedge/Member	Mnths 7-12	Increase	USD	2,400	2,400	2,600	2,600
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnths 7+	Increase	USD	19,250	17,500	20,900	19,000
JA	Hedge/Member	Mnths 7+	Increase	USD	17,500	17,500	19,000	19,000
JET AVIA FUEL(PLTT) CRGS FOB M (1T)								
1T	Spec		Increase	USD	24,750	22,500	26,400	24,000
1T	Hedge/Member		Increase	USD	22,500	22,500	24,000	24,000
MIN EURO NPHTHA CIF NWE FUT (MNC)								
MNC	Spec	Mths 1	Increase	USD	1,733	1,575	1,870	1,700
MNC	Hedge/Member	Mths 1	Increase	USD	1,575	1,575	1,700	1,700
MNC	Spec	Mths 2-6	Increase	USD	1,925	1,750	2,035	1,850
MNC	Hedge/Member	Mths 2-6	Increase	USD	1,750	1,750	1,850	1,850
MNC	Spec	Mnths 7+	Increase	USD	1,870	1,700	1,980	1,800
MNC	Hedge/Member	Mnths 7+	Increase	USD	1,700	1,700	1,800	1,800
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnths 7+	Increase	USD	1,925	1,750	2,090	1,900
MJN	Hedge/Member	Mnths 7+	Increase	USD	1,750	1,750	1,900	1,900
MINI EURO 3.5% FUEL OIL FOB RDM FUT (0D)								
0D	Spec	Mnths 2-6	Increase	USD	1,210	1,100	1,320	1,200
0D	Hedge/Member	Mnths 2-6	Increase	USD	1,100	1,100	1,200	1,200
0D	Spec	Mnths 7-10	Increase	USD	1,265	1,150	1,320	1,200
0D	Hedge/Member	Mnths 7-10	Increase	USD	1,150	1,150	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								
MINI SINGAPORE GASOIL PLATS FUTURES (MSG)								
MSG	Spec	Mnth 1	Increase	USD	242	220	259	235
MSG	Hedge/Member	Mnth 1	Increase	USD	220	220	235	235
MSG	Spec	Mnths 2-6	Increase	USD	253	230	286	260
MSG	Hedge/Member	Mnths 2-6	Increase	USD	230	230	260	260
MSG	Spec	Mnths 7+	Increase	USD	237	215	264	240
MSG	Hedge/Member	Mnths 7+	Increase	USD	215	215	240	240
MOGAS92 UNLEADED (PLATTS) FUT (1N)								
1N	Spec	Mnth 2	Increase	USD	2,585	2,350	2,750	2,500
1N	Hedge/Member	Mnth 2	Increase	USD	2,350	2,350	2,500	2,500
1N	Spec	Mnth 1	Increase	USD	2,310	2,100	2,475	2,250
1N	Hedge/Member	Mnth 1	Increase	USD	2,100	2,100	2,250	2,250
1N	Spec	Mnths 3+	Increase	USD	2,420	2,200	2,585	2,350
1N	Hedge/Member	Mnths 3+	Increase	USD	2,200	2,200	2,350	2,350
SINGAPORE GASOIL FUT (SG)								
SG	Spec	Mnth 1	Increase	USD	2,420	2,200	2,585	2,350
SG	Hedge/Member	Mnth 1	Increase	USD	2,200	2,200	2,350	2,350
SG	Spec	Mnths 2-6	Increase	USD	2,530	2,300	2,860	2,600
SG	Hedge/Member	Mnths 2-6	Increase	USD	2,300	2,300	2,600	2,600
SG	Spec	Mnths 7+	Increase	USD	2,365	2,150	2,640	2,400
SG	Hedge/Member	Mnths 7+	Increase	USD	2,150	2,150	2,400	2,400
SYNTHETIC SINGAPORE GASOIL FUT (SSG)								
SSG	Spec	Mnth 1	Increase	USD	2,420	2,200	2,585	2,350
SSG	Hedge/Member	Mnth 1	Increase	USD	2,200	2,200	2,350	2,350
SSG	Spec	Mnths 2-6	Increase	USD	2,530	2,300	2,860	2,600
SSG	Hedge/Member	Mnths 2-6	Increase	USD	2,300	2,300	2,600	2,600
SSG	Spec	Mnths 7+	Increase	USD	2,365	2,150	2,640	2,400
SSG	Hedge/Member	Mnths 7+	Increase	USD	2,150	2,150	2,400	2,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	1,045	950	1,155	1,050
LN	Hedge/Member		Increase	USD	950	950	1,050	1,050
Month 1 vs Month 2 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	1,045	950	1,155	1,050
HET	Hedge/Member		Increase	USD	950	950	1,050	1,050
Month 1 vs Month 3 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	935	850	1,045	950
LN	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 3 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	935	850	1,045	950
HET	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 4 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	935	850	1,045	950
LN	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 4 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	935	850	1,045	950
HET	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 5 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	935	850	1,045	950
LN	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 5 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	935	850	1,045	950
HET	Hedge/Member		Increase	USD	850	850	950	950
Month 1 vs Month 6 (LEAN HOG FUTURES)								
LN	Spec		Decrease	USD	935	850	880	800
LN	Hedge/Member		Decrease	USD	850	850	800	800
Month 1 vs Month 6 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Decrease	USD	935	850	880	800
HET	Hedge/Member		Decrease	USD	850	850	800	800
Month 1 vs Month 7 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	825	750	880	800
LN	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								
Month 1 vs Month 7 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	825	750	880	800
HET	Hedge/Member		Increase	USD	750	750	800	800
Month 1 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	825	750	880	800
LN	Hedge/Member		Increase	USD	750	750	800	800
Month 1 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	825	750	880	800
HET	Hedge/Member		Increase	USD	750	750	800	800
Month 2 vs Month 3 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	715	650	770	700
LN	Hedge/Member		Increase	USD	650	650	700	700
Month 2 vs Month 3 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	715	650	770	700
HET	Hedge/Member		Increase	USD	650	650	700	700
Month 2 vs Month 4 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	715	650	880	800
LN	Hedge/Member		Increase	USD	650	650	800	800
Month 2 vs Month 4 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	715	650	880	800
HET	Hedge/Member		Increase	USD	650	650	800	800
Month 2 vs Month 5 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	880	800	990	900
LN	Hedge/Member		Increase	USD	800	800	900	900
Month 2 vs Month 5 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	880	800	990	900
HET	Hedge/Member		Increase	USD	800	800	900	900
Month 2 vs Month 6 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	880	800	1,100	1,000
LN	Hedge/Member		Increase	USD	800	800	1,000	1,000
Month 2 vs Month 6 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	880	800	1,100	1,000
HET	Hedge/Member		Increase	USD	800	800	1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 2 vs Month 7 (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	880	800	1,100	1,000
LN	Hedge/Member		Increase	USD	800	800	1,000	1,000
Month 2 vs Month 7 (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	880	800	1,100	1,000
HET	Hedge/Member		Increase	USD	800	800	1,000	1,000
Month 2 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	880	800	1,100	1,000
LN	Hedge/Member		Increase	USD	800	800	1,000	1,000
Month 2 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	880	800	1,100	1,000
HET	Hedge/Member		Increase	USD	800	800	1,000	1,000
Month 3 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	880	800	935	850
LN	Hedge/Member		Increase	USD	800	800	850	850
Month 3 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	880	800	935	850
HET	Hedge/Member		Increase	USD	800	800	850	850
Month 4 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	770	700	825	750
LN	Hedge/Member		Increase	USD	700	700	750	750
Month 4 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	770	700	825	750
HET	Hedge/Member		Increase	USD	700	700	750	750
Month 5 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	660	600	715	650
LN	Hedge/Member		Increase	USD	600	600	650	650
Month 5 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	660	600	715	650
HET	Hedge/Member		Increase	USD	600	600	650	650
Month 6 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	660	600	715	650
LN	Hedge/Member		Increase	USD	600	600	650	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 6 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	660	600	715	650
HET	Hedge/Member		Increase	USD	600	600	650	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
EQUITY INDEX - Intra Spreads								
(BTIC ON EMINI RUSSELL 2000 INDEX FU)								
RLT	Spec		Increase	USD	149	135	220	200
RLT	Hedge/Member		Increase	USD	135	135	200	200
(BTIC ON S&P 500 TOTAL RETURN INDEX)								
TRB	Spec		Increase	USD	248	225	374	340
TRB	Hedge/Member		Increase	USD	225	225	340	340
(EMINI RUSSELL 2000 INDEX FUTURES)								
RTY	Spec		Increase	USD	149	135	220	200
RTY	Hedge/Member		Increase	USD	135	135	200	200
(S&P 500 TOTAL RETURN INDEX FUTURES)								
TRI	Spec		Increase	USD	248	225	374	340
TRI	Hedge/Member		Increase	USD	225	225	340	340
(S&P 500 TOTAL RETURN INDEX MARKER)								
TRM	Spec		Increase	USD	248	225	374	340
TRM	Hedge/Member		Increase	USD	225	225	340	340
Dow Jones (CBOT) (11) - Month 1 vs 4 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	330	300	413	375
YMT	Hedge/Member		Increase	USD	300	300	375	375
Dow Jones (CBOT) (11) - Month 1 vs 4 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	330	300	413	375
YMI	Hedge/Member		Increase	USD	300	300	375	375

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dow Jones (CBOT) (11) - Month 1 vs 4 (E-MINI DOW ($5) FUTURES)								
YM	Spec		Increase	USD	330	300	413	375
YM	Hedge/Member		Increase	USD	300	300	375	375
Dow Jones (CBOT) (11) - Month 2 vs 4 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	253	230	264	240
YMT	Hedge/Member		Increase	USD	230	230	240	240
Dow Jones (CBOT) (11) - Month 2 vs 4 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	253	230	264	240
YMI	Hedge/Member		Increase	USD	230	230	240	240
Dow Jones (CBOT) (11) - Month 2 vs 4 (E-MINI DOW ($5) FUTURES)								
YM	Spec		Increase	USD	253	230	264	240
YM	Hedge/Member		Increase	USD	230	230	240	240
Dow Jones (CBOT) (11) - Month 3 vs 4 (BTIC ON E-MINI DJIA FUTURES)								
YMT	Spec		Increase	USD	253	230	264	240
YMT	Hedge/Member		Increase	USD	230	230	240	240
Dow Jones (CBOT) (11) - Month 3 vs 4 (E-MINI DJIA FUTURES MARKER)								
YMI	Spec		Increase	USD	253	230	264	240
YMI	Hedge/Member		Increase	USD	230	230	240	240
Dow Jones (CBOT) (11) - Month 3 vs 4 (E-MINI DOW ($5) FUTURES)								
YM	Spec		Increase	USD	253	230	264	240
YM	Hedge/Member		Increase	USD	230	230	240	240
Nasdaq-100 Index (ND) - Month 1 vs 3 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	374	340	440	400
NQT	Hedge/Member		Increase	USD	340	340	400	400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Nasdaq-100 Index (ND) - Month 1 vs 3 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	374	340	440	400
NQ	Hedge/Member		Increase	USD	340	340	400	400
Nasdaq-100 Index (ND) - Month 1 vs 3 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	374	340	440	400
NQI	Hedge/Member		Increase	USD	340	340	400	400
Nasdaq-100 Index (ND) - Month 3 vs 4 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	374	340	539	490
NQT	Hedge/Member		Increase	USD	340	340	490	490
Nasdaq-100 Index (ND) - Month 3 vs 4 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	374	340	539	490
NQ	Hedge/Member		Increase	USD	340	340	490	490
Nasdaq-100 Index (ND) - Month 3 vs 4 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	374	340	539	490
NQI	Hedge/Member		Increase	USD	340	340	490	490
Nasdaq-100 Index (ND) - Months 1 vs 4 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	374	340	572	520
NQT	Hedge/Member		Increase	USD	340	340	520	520
Nasdaq-100 Index (ND) - Months 1 vs 4 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	374	340	572	520
NQ	Hedge/Member		Increase	USD	340	340	520	520
Nasdaq-100 Index (ND) - Months 1 vs 4 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	374	340	572	520
NQI	Hedge/Member		Increase	USD	340	340	520	520
Nasdaq-100 Index (ND) - Months 2 vs 3 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	374	340	468	425
NQT	Hedge/Member		Increase	USD	340	340	425	425
Nasdaq-100 Index (ND) - Months 2 vs 3 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	374	340	468	425
NQ	Hedge/Member		Increase	USD	340	340	425	425
Nasdaq-100 Index (ND) - Months 2 vs 3 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	374	340	468	425
NQI	Hedge/Member		Increase	USD	340	340	425	425

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Nasdaq-100 Index (ND) - Months 2 vs 4 (BTIC ON E-MINI NASDAQ-100 FUTURES)								
NQT	Spec		Increase	USD	374	340	589	535
NQT	Hedge/Member		Increase	USD	340	340	535	535
Nasdaq-100 Index (ND) - Months 2 vs 4 (E-MINI NASDAQ 100 FUTURES)								
NQ	Spec		Increase	USD	374	340	589	535
NQ	Hedge/Member		Increase	USD	340	340	535	535
Nasdaq-100 Index (ND) - Months 2 vs 4 (E-MINI NASDAQ-100 FUTURES MARKER)								
NQI	Spec		Increase	USD	374	340	589	535
NQI	Hedge/Member		Increase	USD	340	340	535	535
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 1 vs 2 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Decrease	USD	374	340	237	215
SDI	Hedge/Member		Decrease	USD	340	340	215	215
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 1 vs 3 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Decrease	USD	374	340	220	200
SDI	Hedge/Member		Decrease	USD	340	340	200	200
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 1 vs 5 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	561	510
SDI	Hedge/Member		Increase	USD	340	340	510	510
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 2 vs 3 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	462	420
SDI	Hedge/Member		Increase	USD	340	340	420	420
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 2 vs 4 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	561	510
SDI	Hedge/Member		Increase	USD	340	340	510	510
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 2 vs 5 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	561	510
SDI	Hedge/Member		Increase	USD	340	340	510	510
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 3 vs 4 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	385	350
SDI	Hedge/Member		Increase	USD	340	340	350	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 3 vs 5 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	550	500
SDI	Hedge/Member		Increase	USD	340	340	500	500
S&P 500 QUARTERLY DIVIDEND INDEX (SDI) - Months 4 vs 5 (S&P 500 QUARLY DIVIDEND INDEX FUT)								
SDI	Spec		Increase	USD	374	340	561	510
SDI	Hedge/Member		Increase	USD	340	340	510	510

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
FX - Intra Spreads								
Brazilian Real (BR) - Tier 1 vs. Tier 1 (BRAZILIAN REAL FUTURES)								
BR	Spec		Decrease	USD	385	350	308	280
BR	Hedge/Member		Decrease	USD	350	350	280	280
British Pound (BP) - Contracts 1-4 vs. 5-8 (BRITISH POUND FUTURES)								
BP	Spec		Decrease	USD	132	120	110	100
BP	Hedge/Member		Decrease	USD	120	120	100	100
British Pound (BP) - Contracts 1-4 vs. 5-8 (E-MICRO GBP/USD FUTURES)								
M6B	Spec		Decrease	USD	13	12	11	10
M6B	Hedge/Member		Decrease	USD	12	12	10	10
CME Korean Won/US Dollar (KRW) - All Months (KOREAN WON\U.S. DOLLAR FUTURE)								
KRW	Spec		Decrease	USD	578	525	523	475
KRW	Hedge/Member		Decrease	USD	525	525	475	475
Euro Future (EC) - All Months Consecutive Spreads (E-MICRO EUR/USD FUTURES)								
M6E	Spec		Decrease	USD	6	6	6	5
M6E	Hedge/Member		Decrease	USD	6	6	5	5
Euro Future (EC) - All Months Consecutive Spreads (E-MINI EURO FX FUTURE)								
E7	Spec		Decrease	USD	31	28	28	25
E7	Hedge/Member		Decrease	USD	28	28	25	25
Euro Future (EC) - All Months Consecutive Spreads (EURO FUTURE)								
EC	Spec		Decrease	USD	62	56	55	50
EC	Hedge/Member		Decrease	USD	56	56	50	50
Japanese Yen (JY) - All Months Consecutive Spreads (E-MICRO JPY/USD)								
MJY	Spec		Decrease	USD	6	6	6	5
MJY	Hedge/Member		Decrease	USD	6	6	5	5
Japanese Yen (JY) - All Months Consecutive Spreads (E-MINI J-YEN FUTURE)								
J7	Spec		Decrease	USD	31	28	28	25
J7	Hedge/Member		Decrease	USD	28	28	25	25
Japanese Yen (JY) - All Months Consecutive Spreads (JAPANESE YEN FUTURES)								
JY	Spec		Decrease	USD	62	56	55	50
JY	Hedge/Member		Decrease	USD	56	56	50	50
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 1 vs. TIER 1 (E-MICRO USD/CNH FUTURES)								
MNH	Spec		Decrease	CNH	297	270	242	220
MNH	Hedge/Member		Decrease	CNH	270	270	220	220

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 1 vs. TIER 1 (USD/CNH FUTURES)								
CNH	Spec		Decrease	CNH	2,970	2,700	2,420	2,200
CNH	Hedge/Member		Decrease	CNH	2,700	2,700	2,200	2,200
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 1 vs. TIER 2 (E-MICRO USD/CNH FUTURES)								
MNH	Spec		Decrease	CNH	297	270	242	220
MNH	Hedge/Member		Decrease	CNH	270	270	220	220
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 1 vs. TIER 2 (USD/CNH FUTURES)								
CNH	Spec		Decrease	CNH	2,970	2,700	2,420	2,200
CNH	Hedge/Member		Decrease	CNH	2,700	2,700	2,200	2,200
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 2 vs. TIER 2 (E-MICRO USD/CNH FUTURES)								
MNH	Spec		Decrease	CNH	297	270	242	220
MNH	Hedge/Member		Decrease	CNH	270	270	220	220
USD/OFFSHORE RMB (CNH) FUTURES SPREAD TIER 2 vs. TIER 2 (USD/CNH FUTURES)								
CNH	Spec		Decrease	CNH	2,970	2,700	2,420	2,200
CNH	Hedge/Member		Decrease	CNH	2,700	2,700	2,200	2,200
METALS - Intra Spreads								
All Months (ALUMINIUM EURO PREM DUTY-PAID FUT)								
EDP	Spec		Increase	USD	880	800	1,045	950
EDP	Hedge/Member		Increase	USD	800	800	950	950
Consecutive Spread - Months 2+ (ALUMINIUM EURO PREM DUTY-PAID FUT)								
EDP	Spec		Increase	USD	605	550	715	650
EDP	Hedge/Member		Increase	USD	550	550	650	650

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						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	81%	81%	77%	77%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	80%	80%	76%	76%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	80%	80%	78%	78%
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%	80%	80%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	76%	76%	73%	73%
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	78%	78%	75%	75%
Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	72%	72%
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	78%	78%	74%	74%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+5:-33	75%	75%	73%	73%
DME Products - Inter-commodity Spread Rates						
DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Decrease	+19:-3	81%	81%	77%	77%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ETHANOL - Inter-commodity Spread Rates

SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	40%	40%	25%	25%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	25%	25%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	81%	81%	77%	77%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	80%	80%	76%	76%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	25%	25%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DUBAI CRUDE OIL (PLATTS) FUTURES (NY-DCD - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Decrease	+19:-3	81%	81%	77%	77%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+3:-19	80%	80%	78%	78%
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	95%	95%	94%	94%
GULF COAST NO. 6 FUEL OIL 3.0% SULFUR (PLATTS) SWAP (NYM-MF - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% SULFUR (PLATTS) SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	94%	94%	92%	92%
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%	80%	80%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+19:-3	76%	76%	73%	73%
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	78%	78%	75%	75%
Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - 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						
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	78%	78%	74%	74%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+5:-33	75%	75%	73%	73%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	25%	25%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
SINGAPORE GASOIL SWAP (NY-SG) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	54%	54%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
CRUDE OIL - Volatility Scan (volScan) Rate						
BRENT (ICE) CALENDAR SWAP FUTURES (BA, CY, IBS, MBC) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (BB, BE, BZ, BZL, BZO, BZS, BZT, IBS, OS, OSW) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (BB, BBT, MBZ, ODB, SBB) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
CRUDE OIL FINANCIAL FUTURES (MCL, QM, WS) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.025		0.020
Clearing Member Rate	Mnth9	Decrease		0.025		0.020
Clearing Member Rate	Mnth10	Decrease		0.025		0.020
CRUDE OIL LAST DAY FINANCIAL FUTURES (26, S26) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025

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	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.025		0.020
Clearing Member Rate	Mnth9	Decrease		0.025		0.020
Clearing Member Rate	Mnth10	Decrease		0.025		0.020
LIGHT SWEET CRUDE OIL FUTURES (C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, CD, CL, CLL, CLS, CLT, LC, LM1, LM2, LM3, LM4, LM5, LO, LOW, XC, XCT) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.025		0.020
Clearing Member Rate	Mnth9	Decrease		0.025		0.020
Clearing Member Rate	Mnth10	Decrease		0.025		0.020
WTI CALENDAR SWAP FUTURES (AO, CS) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.080		0.060
Clearing Member Rate	Mnth2	Decrease		0.045		0.030
Clearing Member Rate	Mnth3	Decrease		0.035		0.025
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.025		0.020
Clearing Member Rate	Mnth9	Decrease		0.025		0.020
Clearing Member Rate	Mnth10	Decrease		0.025		0.020

INTEREST RATES - Volatility Scan (volScan) Rate

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
FED FUNDS (41, 41) - volScan						
Clearing Member Rate	Month 1	Change to % of vol		0.001		40.000%
Clearing Member Rate	Months 2-4	Change to % of vol		0.001		35.000%
Clearing Member Rate	Months 5-10	Change to % of vol		0.001		25.000%
Clearing Member Rate	Months 11-15	Change to % of vol		0.001		25.000%
Clearing Member Rate	Months 16+	Change to % of vol		0.001		25.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Volatility Scan (volScan) Rate

METALS - Volatility Scan (volScan) Rate

COPPER FUTURES (HG, HG0, HGT, HX, HXW, QC) - volScan

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Clearing Member Rate	Mnth1	Change to % of vol		0.048		35.000%
Clearing Member Rate	Mnth2	Change to % of vol		0.045		30.000%
Clearing Member Rate	Mnth3	Change to % of vol		0.045		30.000%
Clearing Member Rate	Mnth4	Change to % of vol		0.045		30.000%
Clearing Member Rate	Mnth5	Change to % of vol		0.035		25.000%
Clearing Member Rate	Mnth6	Change to % of vol		0.035		25.000%
Clearing Member Rate	Mnth7	Change to % of vol		0.035		25.000%
Clearing Member Rate	Mnth8	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth9	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth10	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth11	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth12	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth13	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth14	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth15	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth16	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth17	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth18	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth19	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth20	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth21+	Change to % of vol		0.020		15.000%

SILVER FUTURES (6Q, QI, SI, SIL, SIT, SO, SOW) - volScan

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Clearing Member Rate	Mnth1	Change to % of vol		0.048		30.000%
Clearing Member Rate	Mnth2	Change to % of vol		0.048		30.000%
Clearing Member Rate	Mnth3	Change to % of vol		0.040		25.000%
Clearing Member Rate	Mnth4	Change to % of vol		0.040		25.000%
Clearing Member Rate	Mnth5	Change to % of vol		0.025		20.000%
Clearing Member Rate	Mnth6	Change to % of vol		0.025		20.000%
Clearing Member Rate	Mnth7	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth8	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth9	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth10	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth11	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth12	Change to % of vol		0.020		15.000%
Clearing Member Rate	Mnth13+	Change to % of vol		0.020		15.000%