CME Group

Advisory Number: 19-286

TO:	Clearing Member Firms Chief Financial Officers Back Office Managers Margin Managers
FROM:	CME Clearing
SUBJECT:	Performance Bond Requirements
DATE:	Thursday, August 29, 2019

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Tuesday, September 3, 2019.

Current rates as of:

Thursday, August 29, 2019.

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

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

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL SPREADS - Outright Rates								
BRENT OIL VS DME OMAN PLATT DUBAI (DBR)								
DBR	Spec	Mnth 1	Decrease	USD	880	800	743	675
DBR	Hedge/Member	Mnth 1	Decrease	USD	800	800	675	675
DBR	Spec	Mnths 2+	Decrease	USD	880	800	743	675
DBR	Hedge/Member	Mnths 2+	Decrease	USD	800	800	675	675
WTI HOUSTON VS. DUBAI CAL MO FUT (WDB)								
WDB	Spec	Mnth 1	Increase	USD	1,980	1,800	2,530	2,300
WDB	Hedge/Member	Mnth 1	Increase	USD	1,800	1,800	2,300	2,300
WDB	Spec	Mnths 2-7	Increase	USD	1,980	1,800	2,530	2,300
WDB	Hedge/Member	Mnths 2-7	Increase	USD	1,800	1,800	2,300	2,300
WTI HOUSTON VS. DUBAI TRADE MO FUT (WHD)								
WHD	Spec	Mnth 1	Increase	USD	1,980	1,800	2,530	2,300
WHD	Hedge/Member	Mnth 1	Increase	USD	1,800	1,800	2,300	2,300
WHD	Spec	Mnths 2-7	Increase	USD	1,980	1,800	2,530	2,300
WHD	Hedge/Member	Mnths 2-7	Increase	USD	1,800	1,800	2,300	2,300
DME Products - Outright Rates								
DME OMAN CRUDE CAL FUT (ODO)								
ODO	Spec	Mnth 1	Decrease	USD	5,060	4,600	4,510	4,100
ODO	Hedge/Member	Mnth 1	Decrease	USD	4,600	4,600	4,100	4,100
ODO	Spec	Mnths 2-3	Decrease	USD	5,060	4,600	4,400	4,000
ODO	Hedge/Member	Mnths 2-3	Decrease	USD	4,600	4,600	4,000	4,000
ODO	Spec	Mnths 4-8	Decrease	USD	4,840	4,400	4,290	3,900
ODO	Hedge/Member	Mnths 4-8	Decrease	USD	4,400	4,400	3,900	3,900
ODO	Spec	Mnths 9+	Decrease	USD	4,840	4,400	4,180	3,800
ODO	Hedge/Member	Mnths 9+	Decrease	USD	4,400	4,400	3,800	3,800
DME OMAN CRUDE VS DUBAI PLATTS FUT (DDO)								
DDO	Spec	Mnth 1	Decrease	USD	1,925	1,750	1,540	1,400
DDO	Hedge/Member	Mnth 1	Decrease	USD	1,750	1,750	1,400	1,400
DDO	Spec	Mnths 2+	Decrease	USD	1,375	1,250	1,210	1,100
DDO	Hedge/Member	Mnths 2+	Decrease	USD	1,250	1,250	1,100	1,100
SINGAPORE FUEL OIL 380CST PLATT FUT (DSE)								
DSE	Spec	Mnths 2	Increase	USD	31,900	29,000	34,650	31,500
DSE	Hedge/Member	Mnths 2	Increase	USD	29,000	29,000	31,500	31,500
DSE	Spec	Mnths 3-13	Increase	USD	28,050	25,500	29,150	26,500
DSE	Hedge/Member	Mnths 3-13	Increase	USD	25,500	25,500	26,500	26,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE FUEL OIL180CST PLATTS FUT (DUP)								
DUP	Spec	Mnth 1	Increase	USD	37,400	34,000	41,800	38,000
DUP	Hedge/Member	Mnth 1	Increase	USD	34,000	34,000	38,000	38,000
DUP	Spec	Mnth 2	Increase	USD	36,300	33,000	40,700	37,000
DUP	Hedge/Member	Mnth 2	Increase	USD	33,000	33,000	37,000	37,000
DUP	Spec	Mnths 3-7	Increase	USD	31,900	29,000	35,200	32,000
DUP	Hedge/Member	Mnths 3-7	Increase	USD	29,000	29,000	32,000	32,000
DUP	Spec	Mnths 8+	Increase	USD	26,950	24,500	30,250	27,500
DUP	Hedge/Member	Mnths 8+	Increase	USD	24,500	24,500	27,500	27,500
SPORE JET KEROSENE VS DME OMAN (DKR)								
DKR	Spec	Mnth 1	Increase	USD	1,870	1,700	2,475	2,250
DKR	Hedge/Member	Mnth 1	Increase	USD	1,700	1,700	2,250	2,250
DKR	Spec	Mnths 2-6	Increase	USD	1,760	1,600	2,090	1,900
DKR	Hedge/Member	Mnths 2-6	Increase	USD	1,600	1,600	1,900	1,900
DKR	Spec	Mnths 7+	Increase	USD	1,540	1,400	1,870	1,700
DKR	Hedge/Member	Mnths 7+	Increase	USD	1,400	1,400	1,700	1,700
SPORE MOGAS 92UNLD(PLTS)VS DME OMAN (DDE)								
DDE	Spec	Month 1	Decrease	USD	3,740	3,400	2,860	2,600
DDE	Hedge/Member	Month 1	Decrease	USD	3,400	3,400	2,600	2,600
DDE	Spec	Month 2+	Decrease	USD	3,410	3,100	2,640	2,400
DDE	Hedge/Member	Month 2+	Decrease	USD	3,100	3,100	2,400	2,400
ELECTRICITY - Outright Rates								
GERMAN POWER BASELOAD CAL MONTH FUT (DEB)								
DEB	Spec	Mnth 3	Increase	EUR	2,310	2,100	2,640	2,400
DEB	Hedge/Member	Mnth 3	Increase	EUR	2,100	2,100	2,400	2,400
DEB	Spec	Mnths 4-9	Increase	EUR	2,090	1,900	2,420	2,200
DEB	Hedge/Member	Mnths 4-9	Increase	EUR	1,900	1,900	2,200	2,200
ITALIAN POWER BASELOAD GME CAL FUT (ITB)								
ITB	Spec	Mnth 1	Increase	EUR	2,750	2,500	3,080	2,800
ITB	Hedge/Member	Mnth 1	Increase	EUR	2,500	2,500	2,800	2,800
ITB	Spec	Mnth 3	Increase	EUR	2,475	2,250	2,750	2,500
ITB	Hedge/Member	Mnth 3	Increase	EUR	2,250	2,250	2,500	2,500
ITB	Spec	Mnths 4-9	Increase	EUR	2,310	2,100	2,530	2,300
ITB	Hedge/Member	Mnths 4-9	Increase	EUR	2,100	2,100	2,300	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
			FX - Outright Rates					
BRAZILIAN REAL FUTURES (BR)								
BR	Spec	Contracts 1-12	Increase	USD	1,238	1,125	1,375	1,250
BR	Hedge/Member	Contracts 1-12	Increase	USD	1,125	1,125	1,250	1,250
BR	Spec	Contracts 13-24	Increase	USD	1,403	1,275	1,540	1,400
BR	Hedge/Member	Contracts 13-24	Increase	USD	1,275	1,275	1,400	1,400
BR	Spec	Contracts 25-36	Increase	USD	1,568	1,425	1,705	1,550
BR	Hedge/Member	Contracts 25-36	Increase	USD	1,425	1,425	1,550	1,550
BR	Spec	Contracts 37+	Increase	USD	1,568	1,425	1,705	1,550
BR	Hedge/Member	Contracts 37+	Increase	USD	1,425	1,425	1,550	1,550
E-MICRO CHF/USD FUTURES (MSF)								
MSF	Spec	Month 1-3	Increase	USD	308	280	341	310
MSF	Hedge/Member	Month 1-3	Increase	USD	280	280	310	310
MSF	Spec	Months 4+	Increase	USD	308	280	341	310
MSF	Hedge/Member	Months 4+	Increase	USD	280	280	310	310
E-MICRO INR/USD FUTURE (MIR)								
MIR	Spec		Increase	USD	352	320	418	380
MIR	Hedge/Member		Increase	USD	320	320	380	380
E-MICRO USD/CNH FUTURES (MNH)								
MNH	Spec	Months 1-12	Increase	CNH	1,320	1,200	1,650	1,500
MNH	Hedge/Member	Months 1-12	Increase	CNH	1,200	1,200	1,500	1,500
MNH	Spec	Months 13+	Increase	CNH	1,650	1,500	1,980	1,800
MNH	Hedge/Member	Months 13+	Increase	CNH	1,500	1,500	1,800	1,800
EURO FX/BP FUTURE (RP)								
RP	Spec		Increase	GBP	2,640	2,400	2,970	2,700
RP	Hedge/Member		Increase	GBP	2,400	2,400	2,700	2,700
EURO\RENMINBI FUTURE (RME)								
RME	Spec		Increase	EUR	2,970	2,700	4,400	4,000
RME	Hedge/Member		Increase	EUR	2,700	2,700	4,000	4,000
INR/USD FUTURE (SIR)								
SIR	Spec		Increase	USD	1,760	1,600	2,090	1,900
SIR	Hedge/Member		Increase	USD	1,600	1,600	1,900	1,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ISRAELI SHEKEL FUTURES (IS)								
IS	Spec		Increase	USD	4,620	4,200	5,280	4,800
IS	Hedge/Member		Increase	USD	4,200	4,200	4,800	4,800
POLISH ZLOTY/EURO CROSS RATE FUT (Z)								
Z	Spec		Increase	EUR	1,760	1,600	2,200	2,000
Z	Hedge/Member		Increase	EUR	1,600	1,600	2,000	2,000
SFJY FUTURES (SJ)								
SJ	Spec		Increase	JPY	715,000	650,000	770,000	700,000
SJ	Hedge/Member		Increase	JPY	650,000	650,000	700,000	700,000
SWISS FRANC FUTURES (SF)								
SF	Spec	Month 1-3	Increase	USD	3,080	2,800	3,410	3,100
SF	Hedge/Member	Month 1-3	Increase	USD	2,800	2,800	3,100	3,100
SF	Spec	Months 4+	Increase	USD	3,080	2,800	3,410	3,100
SF	Hedge/Member	Months 4+	Increase	USD	2,800	2,800	3,100	3,100
U.S. DOLLAR\RENMINBI FUTURES (RMB)								
RMB	Spec	Mnth 1	Increase	USD	2,750	2,500	3,025	2,750
RMB	Hedge/Member	Mnth 1	Increase	USD	2,500	2,500	2,750	2,750
RMB	Spec	Mnths 2+	Increase	USD	2,750	2,500	3,025	2,750
RMB	Hedge/Member	Mnths 2+	Increase	USD	2,500	2,500	2,750	2,750
USD/CNH FUTURES (CNH)								
CNH	Spec	Months 1-12	Increase	CNH	13,200	12,000	16,500	15,000
CNH	Hedge/Member	Months 1-12	Increase	CNH	12,000	12,000	15,000	15,000
CNH	Spec	Months 13+	Increase	CNH	16,500	15,000	19,800	18,000
CNH	Hedge/Member	Months 13+	Increase	CNH	15,000	15,000	18,000	18,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

INTEREST RATES - Outright Rates

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
10-YEAR ERIS SWAP FUTURES (LIY)								
LIY	Spec	Month 1	Increase	USD	869	790	908	825
LIY	Hedge/Member	Month 1	Increase	USD	790	790	825	825
LIY	Spec	Month 2	Increase	USD	908	825	963	875
LIY	Hedge/Member	Month 2	Increase	USD	825	825	875	875
LIY	Spec	Month 3	Increase	USD	963	875	1,034	940
LIY	Hedge/Member	Month 3	Increase	USD	875	875	940	940
LIY	Spec	Month 4	Increase	USD	1,007	915	1,100	1,000
LIY	Hedge/Member	Month 4	Increase	USD	915	915	1,000	1,000
LIY	Spec	Month 5	Increase	USD	1,067	970	1,177	1,070
LIY	Hedge/Member	Month 5	Increase	USD	970	970	1,070	1,070
LIY	Spec	Month 6	Increase	USD	1,122	1,020	1,238	1,125
LIY	Hedge/Member	Month 6	Increase	USD	1,020	1,020	1,125	1,125
LIY	Spec	Month 7	Increase	USD	1,166	1,060	1,304	1,185
LIY	Hedge/Member	Month 7	Increase	USD	1,060	1,060	1,185	1,185
LIY	Spec	Month 8	Increase	USD	1,210	1,100	1,364	1,240
LIY	Hedge/Member	Month 8	Increase	USD	1,100	1,100	1,240	1,240
LIY	Spec	Month 9	Increase	USD	1,265	1,150	1,430	1,300
LIY	Hedge/Member	Month 9	Increase	USD	1,150	1,150	1,300	1,300
LIY	Spec	Month 10	Increase	USD	1,304	1,185	1,491	1,355
LIY	Hedge/Member	Month 10	Increase	USD	1,185	1,185	1,355	1,355
LIY	Spec	Month 11	Increase	USD	1,342	1,220	1,540	1,400
LIY	Hedge/Member	Month 11	Increase	USD	1,220	1,220	1,400	1,400
LIY	Spec	Month 12	Increase	USD	1,359	1,235	1,601	1,455
LIY	Hedge/Member	Month 12	Increase	USD	1,235	1,235	1,455	1,455
LIY	Spec	Month 13	Increase	USD	1,392	1,265	1,650	1,500
LIY	Hedge/Member	Month 13	Increase	USD	1,265	1,265	1,500	1,500
LIY	Spec	Month 14	Increase	USD	1,452	1,320	1,705	1,550
LIY	Hedge/Member	Month 14	Increase	USD	1,320	1,320	1,550	1,550
LIY	Spec	Month 15	Increase	USD	1,518	1,380	1,749	1,590
LIY	Hedge/Member	Month 15	Increase	USD	1,380	1,380	1,590	1,590
LIY	Spec	Month 16	Increase	USD	1,584	1,440	1,804	1,640
LIY	Hedge/Member	Month 16	Increase	USD	1,440	1,440	1,640	1,640
LIY	Spec	Month 17	Increase	USD	1,639	1,490	1,826	1,660
LIY	Hedge/Member	Month 17	Increase	USD	1,490	1,490	1,660	1,660
LIY	Spec	Month 18	Increase	USD	1,705	1,550	1,892	1,720
LIY	Hedge/Member	Month 18	Increase	USD	1,550	1,550	1,720	1,720
LIY	Spec	Month 19	Increase	USD	1,766	1,605	1,953	1,775
LIY	Hedge/Member	Month 19	Increase	USD	1,605	1,605	1,775	1,775
LIY	Spec	Month 20	Increase	USD	1,832	1,665	2,074	1,885

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LIY	Hedge/Member	Month 20	Increase	USD	1,665	1,665	1,885	1,885
LIY	Spec	Month 21	Increase	USD	1,898	1,725	2,134	1,940
LIY	Hedge/Member	Month 21	Increase	USD	1,725	1,725	1,940	1,940
LIY	Spec	Month 22	Increase	USD	1,958	1,780	2,145	1,950
LIY	Hedge/Member	Month 22	Increase	USD	1,780	1,780	1,950	1,950
LIY	Spec	Month 23	Increase	USD	2,024	1,840	2,200	2,000
LIY	Hedge/Member	Month 23	Increase	USD	1,840	1,840	2,000	2,000
LIY	Spec	Month 24	Increase	USD	2,090	1,900	2,310	2,100
LIY	Hedge/Member	Month 24	Increase	USD	1,900	1,900	2,100	2,100
LIY	Spec	Month 25	Increase	USD	2,151	1,955	2,420	2,200
LIY	Hedge/Member	Month 25	Increase	USD	1,955	1,955	2,200	2,200
LIY	Spec	Month 26	Increase	USD	2,217	2,015	2,497	2,270
LIY	Hedge/Member	Month 26	Increase	USD	2,015	2,015	2,270	2,270
LIY	Spec	Month 27	Increase	USD	2,217	2,015	2,640	2,400
LIY	Hedge/Member	Month 27	Increase	USD	2,015	2,015	2,400	2,400
LIY	Spec	Month 28	Increase	USD	2,217	2,015	2,640	2,400
LIY	Hedge/Member	Month 28	Increase	USD	2,015	2,015	2,400	2,400
LIY	Spec	Months 29+	Increase	USD	2,217	2,015	2,640	2,400
LIY	Hedge/Member	Months 29+	Increase	USD	2,015	2,015	2,400	2,400
10-YEAR USD MAC SWAP FUTURES (N1U)								
N1U	Spec		Increase	USD	1,870	1,700	2,200	2,000
N1U	Hedge/Member		Increase	USD	1,700	1,700	2,000	2,000
12-YEAR ERIS SWAP FUTURES (LII)								
LII	Spec	All Months	Increase	USD	2,530	2,300	2,750	2,500
LII	Hedge/Member	All Months	Increase	USD	2,300	2,300	2,500	2,500
15-YEAR ERIS SWAP FUTURES (LIL)								
LIL	Spec	All Months	Increase	USD	3,009	2,735	3,300	3,000
LIL	Hedge/Member	All Months	Increase	USD	2,735	2,735	3,000	3,000
20-YEAR ERIS SWAP FUTURES (LIO)								
LIO	Spec	Months 1-12	Increase	USD	3,322	3,020	3,960	3,600
LIO	Hedge/Member	Months 1-12	Increase	USD	3,020	3,020	3,600	3,600
LIO	Spec	Months 13+	Increase	USD	3,322	3,020	3,960	3,600
LIO	Hedge/Member	Months 13+	Increase	USD	3,020	3,020	3,600	3,600
20-YEAR USD MAC SWAP FUTURES (E1U)								
E1U	Spec		Increase	USD	2,750	2,500	3,300	3,000
E1U	Hedge/Member		Increase	USD	2,500	2,500	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
2-YEAR ERIS SWAP FUTURE (LIT)								
LIT	Spec	Month 3	Increase	USD	77	70	94	85
LIT	Hedge/Member	Month 3	Increase	USD	70	70	85	85
LIT	Spec	Month 4	Increase	USD	138	125	165	150
LIT	Hedge/Member	Month 4	Increase	USD	125	125	150	150
LIT	Spec	Month 5	Increase	USD	215	195	259	235
LIT	Hedge/Member	Month 5	Increase	USD	195	195	235	235
LIT	Spec	Month 6	Increase	USD	314	285	358	325
LIT	Hedge/Member	Month 6	Increase	USD	285	285	325	325
LIT	Spec	Month 7	Increase	USD	407	370	429	390
LIT	Hedge/Member	Month 7	Increase	USD	370	370	390	390
2-YEAR USD MAC SWAP FUTURES (T1U)								
T1U	Spec		Increase	USD	495	450	594	540
T1U	Hedge/Member		Increase	USD	450	450	540	540
30 YR U.S. TREASURY BOND FUTURES (17)								
17	Spec	Month 1	Increase	USD	3,080	2,800	3,300	3,000
17	Hedge/Member	Month 1	Increase	USD	2,800	2,800	3,000	3,000
17	Spec	Month 2+	Increase	USD	3,080	2,800	3,300	3,000
17	Hedge/Member	Month 2+	Increase	USD	2,800	2,800	3,000	3,000
30-YEAR ERIS SWAP FUTURES (LIE)								
LIE	Spec	All Months	Increase	USD	4,433	4,030	5,280	4,800
LIE	Hedge/Member	All Months	Increase	USD	4,030	4,030	4,800	4,800
30-YEAR USD MAC SWAP FUTURES (B1U)								
B1U	Spec		Increase	USD	3,740	3,400	4,400	4,000
B1U	Hedge/Member		Increase	USD	3,400	3,400	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								
3-YEAR ERIS SWAP FUTURES (LIC)								
LIC	Spec	Months 7	Increase	USD	407	370	451	410
LIC	Hedge/Member	Months 7	Increase	USD	370	370	410	410
LIC	Spec	Months 8	Increase	USD	473	430	523	475
LIC	Hedge/Member	Months 8	Increase	USD	430	430	475	475
LIC	Spec	Months 9	Increase	USD	517	470	572	520
LIC	Hedge/Member	Months 9	Increase	USD	470	470	520	520
LIC	Spec	Months 10	Increase	USD	572	520	638	580
LIC	Hedge/Member	Months 10	Increase	USD	520	520	580	580
LIC	Spec	Months 11	Increase	USD	633	575	710	645
LIC	Hedge/Member	Months 11	Increase	USD	575	575	645	645
LIC	Spec	Months 12	Increase	USD	693	630	792	720
LIC	Hedge/Member	Months 12	Increase	USD	630	630	720	720
LIC	Spec	Months 13	Increase	USD	759	690	858	780
LIC	Hedge/Member	Months 13	Increase	USD	690	690	780	780
LIC	Spec	Months 14	Increase	USD	759	690	858	780
LIC	Hedge/Member	Months 14	Increase	USD	690	690	780	780
LIC	Spec	Months 15+	Increase	USD	759	690	858	780
LIC	Hedge/Member	Months 15+	Increase	USD	690	690	780	780
4-YEAR ERIS SWAP FUTURES (LID)								
LID	Spec	Month 9	Increase	USD	693	630	726	660
LID	Hedge/Member	Month 9	Increase	USD	630	630	660	660
LID	Spec	Month 10	Increase	USD	759	690	798	725
LID	Hedge/Member	Month 10	Increase	USD	690	690	725	725
LID	Spec	Month 11	Increase	USD	814	740	858	780
LID	Hedge/Member	Month 11	Increase	USD	740	740	780	780
LID	Spec	Month 12	Increase	USD	869	790	924	840
LID	Hedge/Member	Month 12	Increase	USD	790	790	840	840
LID	Spec	Month 13	Increase	USD	930	845	990	900
LID	Hedge/Member	Month 13	Increase	USD	845	845	900	900
LID	Spec	Month 14	Increase	USD	990	900	1,056	960
LID	Hedge/Member	Month 14	Increase	USD	900	900	960	960
LID	Spec	Month 15+	Increase	USD	990	900	1,128	1,025
LID	Hedge/Member	Month 15+	Increase	USD	900	900	1,025	1,025

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
5-YEAR ERIS SWAP FUTURES (LIW)								
LIW	Spec	Month 3	Increase	USD	88	80	105	95
LIW	Hedge/Member	Month 3	Increase	USD	80	80	95	95
LIW	Spec	Month 4	Increase	USD	138	125	165	150
LIW	Hedge/Member	Month 4	Increase	USD	125	125	150	150
LIW	Spec	Month 5	Increase	USD	237	215	275	250
LIW	Hedge/Member	Month 5	Increase	USD	215	215	250	250
LIW	Spec	Month 6	Increase	USD	336	305	374	340
LIW	Hedge/Member	Month 6	Increase	USD	305	305	340	340
LIW	Spec	Month 7	Increase	USD	407	370	451	410
LIW	Hedge/Member	Month 7	Increase	USD	370	370	410	410
LIW	Spec	Month 8	Increase	USD	473	430	528	480
LIW	Hedge/Member	Month 8	Increase	USD	430	430	480	480
LIW	Spec	Month 9	Increase	USD	517	470	578	525
LIW	Hedge/Member	Month 9	Increase	USD	470	470	525	525
LIW	Spec	Month 10	Increase	USD	567	515	633	575
LIW	Hedge/Member	Month 10	Increase	USD	515	515	575	575
LIW	Spec	Month 12	Increase	USD	677	615	770	700
LIW	Hedge/Member	Month 12	Increase	USD	615	615	700	700
LIW	Spec	Month 13	Increase	USD	737	670	847	770
LIW	Hedge/Member	Month 13	Increase	USD	670	670	770	770
LIW	Spec	Month 14	Increase	USD	803	730	919	835
LIW	Hedge/Member	Month 14	Increase	USD	730	730	835	835
LIW	Spec	Month 15	Increase	USD	869	790	979	890
LIW	Hedge/Member	Month 15	Increase	USD	790	790	890	890
LIW	Spec	Month 16	Increase	USD	930	845	1,045	950
LIW	Hedge/Member	Month 16	Increase	USD	845	845	950	950
LIW	Spec	Month 17	Increase	USD	990	900	1,122	1,020
LIW	Hedge/Member	Month 17	Increase	USD	900	900	1,020	1,020
LIW	Spec	Month 18	Increase	USD	1,029	935	1,177	1,070
LIW	Hedge/Member	Month 18	Increase	USD	935	935	1,070	1,070
LIW	Spec	Month 19	Increase	USD	1,067	970	1,232	1,120
LIW	Hedge/Member	Month 19	Increase	USD	970	970	1,120	1,120
LIW	Spec	Month 20	Increase	USD	1,106	1,005	1,298	1,180
LIW	Hedge/Member	Month 20	Increase	USD	1,005	1,005	1,180	1,180
LIW	Spec	Month 21	Increase	USD	1,188	1,080	1,375	1,250
LIW	Hedge/Member	Month 21	Increase	USD	1,080	1,080	1,250	1,250
LIW	Spec	Month 22	Increase	USD	1,188	1,080	1,375	1,250
LIW	Hedge/Member	Month 22	Increase	USD	1,080	1,080	1,250	1,250
LIW	Spec	Months 23+	Increase	USD	1,188	1,080	1,375	1,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LIW	Hedge/Member	Months 23+	Increase	USD	1,080	1,080	1,250	1,250
5-YEAR USD MAC SWAP FUTURES (F1U)								
F1U	Spec		Increase	USD	1,018	925	1,210	1,100
F1U	Hedge/Member		Increase	USD	925	925	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
7-YEAR ERIS SWAP FUTURES (LIB)								
LIB	Spec	Month 6	Increase	USD	693	630	726	660
LIB	Hedge/Member	Month 6	Increase	USD	630	630	660	660
LIB	Spec	Month 7	Increase	USD	748	680	798	725
LIB	Hedge/Member	Month 7	Increase	USD	680	680	725	725
LIB	Spec	Month 8	Increase	USD	803	730	858	780
LIB	Hedge/Member	Month 8	Increase	USD	730	730	780	780
LIB	Spec	Month 9	Increase	USD	869	790	924	840
LIB	Hedge/Member	Month 9	Increase	USD	790	790	840	840
LIB	Spec	Month 10	Increase	USD	952	865	1,012	920
LIB	Hedge/Member	Month 10	Increase	USD	865	865	920	920
LIB	Spec	Month 11	Increase	USD	963	875	1,034	940
LIB	Hedge/Member	Month 11	Increase	USD	875	875	940	940
LIB	Spec	Month 12	Increase	USD	1,007	915	1,100	1,000
LIB	Hedge/Member	Month 12	Increase	USD	915	915	1,000	1,000
LIB	Spec	Month 13	Increase	USD	1,056	960	1,155	1,050
LIB	Hedge/Member	Month 13	Increase	USD	960	960	1,050	1,050
LIB	Spec	Month 14	Increase	USD	1,106	1,005	1,210	1,100
LIB	Hedge/Member	Month 14	Increase	USD	1,005	1,005	1,100	1,100
LIB	Spec	Month 15	Increase	USD	1,144	1,040	1,254	1,140
LIB	Hedge/Member	Month 15	Increase	USD	1,040	1,040	1,140	1,140
LIB	Spec	Month 16	Increase	USD	1,188	1,080	1,342	1,220
LIB	Hedge/Member	Month 16	Increase	USD	1,080	1,080	1,220	1,220
LIB	Spec	Month 17	Increase	USD	1,227	1,115	1,408	1,280
LIB	Hedge/Member	Month 17	Increase	USD	1,115	1,115	1,280	1,280
LIB	Spec	Month 18	Increase	USD	1,265	1,150	1,452	1,320
LIB	Hedge/Member	Month 18	Increase	USD	1,150	1,150	1,320	1,320
LIB	Spec	Month 19	Increase	USD	1,304	1,185	1,513	1,375
LIB	Hedge/Member	Month 19	Increase	USD	1,185	1,185	1,375	1,375
LIB	Spec	Month 20	Increase	USD	1,342	1,220	1,579	1,435
LIB	Hedge/Member	Month 20	Increase	USD	1,220	1,220	1,435	1,435
LIB	Spec	Month 21	Increase	USD	1,386	1,260	1,650	1,500
LIB	Hedge/Member	Month 21	Increase	USD	1,260	1,260	1,500	1,500
LIB	Spec	Month 22	Increase	USD	1,425	1,295	1,716	1,560
LIB	Hedge/Member	Month 22	Increase	USD	1,295	1,295	1,560	1,560
LIB	Spec	Month 23	Increase	USD	1,463	1,330	1,760	1,600
LIB	Hedge/Member	Month 23	Increase	USD	1,330	1,330	1,600	1,600
LIB	Spec	Month 24	Increase	USD	1,463	1,330	1,760	1,600
LIB	Hedge/Member	Month 24	Increase	USD	1,330	1,330	1,600	1,600
LIB	Spec	Month 25	Increase	USD	1,463	1,330	1,760	1,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LIB	Hedge/Member	Month 25	Increase	USD	1,330	1,330	1,600	1,600
7-YEAR USD MAC SWAP FUTURES (S1U)								
S1U	Spec		Increase	USD	1,238	1,125	1,485	1,350
S1U	Hedge/Member		Increase	USD	1,125	1,125	1,350	1,350
LONG TERM U.S. TREASURY BOND FUTURE (UBE)								
UBE	Spec		Increase	USD	4,620	4,200	5,280	4,800
UBE	Hedge/Member		Increase	USD	4,200	4,200	4,800	4,800
ONE MONTH EURODOLLAR FUTURES (EM)								
EM	Spec	Mnth 1-4	Increase	USD	231	210	286	260
EM	Hedge/Member	Mnth 1-4	Increase	USD	210	210	260	260
EM	Spec	Mnth 5+	Increase	USD	396	360	495	450
EM	Hedge/Member	Mnth 5+	Increase	USD	360	360	450	450
ULTRA 10-YEAR U S TREASURY NOTE FUT (TN)								
TN	Spec		Increase	USD	1,705	1,550	1,925	1,750
TN	Hedge/Member		Increase	USD	1,550	1,550	1,750	1,750
METALS - Outright Rates								
PLATINUM FUTURES NYMEX (PL)								
PL	Spec	Mths 1	Increase	USD	2,090	1,900	2,475	2,250
PL	Hedge/Member	Mths 1	Increase	USD	1,900	1,900	2,250	2,250
PL	Spec	Mths 2+	Increase	USD	2,090	1,900	2,475	2,250
PL	Hedge/Member	Mths 2+	Increase	USD	1,900	1,900	2,250	2,250
PLATINUM FUTURES TAS (PLT)								
PLT	Spec	Mths 1	Increase	USD	2,090	1,900	2,475	2,250
PLT	Hedge/Member	Mths 1	Increase	USD	1,900	1,900	2,250	2,250
PLT	Spec	Mths 2+	Increase	USD	2,090	1,900	2,475	2,250
PLT	Hedge/Member	Mths 2+	Increase	USD	1,900	1,900	2,250	2,250
NATURAL GAS - Outright Rates								
DUTCH TTF NATURAL GAS DAILY FUTURES (TTD)								
TTD	Spec	Day 4-7	Increase	EUR	55	50	64	58
TTD	Hedge/Member	Day 4-7	Increase	EUR	50	50	58	58
TTD	Spec	Day 8-14	Increase	EUR	50	45	61	55
TTD	Hedge/Member	Day 8-14	Increase	EUR	45	45	55	55
TTD	Spec	Day 15+	Increase	EUR	50	45	61	55
TTD	Hedge/Member	Day 15+	Increase	EUR	45	45	55	55

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
				NGL/PETROCHEMICALS - Outright Rates				
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Spec	Mth 1	Increase	USD	2,420	2,200	2,750	2,500
8K	Hedge/Member	Mth 1	Increase	USD	2,200	2,200	2,500	2,500
8K	Spec	Mth 2	Increase	USD	2,310	2,100	2,640	2,400
8K	Hedge/Member	Mth 2	Increase	USD	2,100	2,100	2,400	2,400
8K	Spec	Mth 3	Increase	USD	2,310	2,100	2,640	2,400
8K	Hedge/Member	Mth 3	Increase	USD	2,100	2,100	2,400	2,400
8K	Spec	Mths 4-11	Increase	USD	2,200	2,000	2,420	2,200
8K	Hedge/Member	Mths 4-11	Increase	USD	2,000	2,000	2,200	2,200
8K	Spec	Mths 12-24	Increase	USD	2,090	1,900	2,310	2,100
8K	Hedge/Member	Mths 12-24	Increase	USD	1,900	1,900	2,100	2,100
8K	Spec	Mnths 25+	Increase	USD	2,090	1,900	2,310	2,100
8K	Hedge/Member	Mnths 25+	Increase	USD	1,900	1,900	2,100	2,100
CONWAY PROPNE (OPIS) BALMO FUT (CPB)								
CPB	Spec	Tier 3	Increase	USD	2,888	2,625	3,300	3,000
CPB	Hedge/Member	Tier 3	Increase	USD	2,625	2,625	3,000	3,000
CPB	Spec	Tier 1	Increase	USD	3,025	2,750	3,438	3,125
CPB	Hedge/Member	Tier 1	Increase	USD	2,750	2,750	3,125	3,125
CPB	Spec	Tier 2	Increase	USD	2,888	2,625	3,300	3,000
CPB	Hedge/Member	Tier 2	Increase	USD	2,625	2,625	3,000	3,000
MONT BELVIEU ETHYLENE FIN BALMO FUT (MBB)								
MBB	Spec		Increase	USD	2,200	2,000	3,300	3,000
MBB	Hedge/Member		Increase	USD	2,000	2,000	3,000	3,000
MT BELVIEU ETHYLENE IN-WELL(PCW) (MBE)								
MBE	Spec	Month 1	Increase	USD	2,200	2,000	2,640	2,400
MBE	Hedge/Member	Month 1	Increase	USD	2,000	2,000	2,400	2,400
MBE	Spec	Months 2+	Increase	USD	2,090	1,900	2,530	2,300
MBE	Hedge/Member	Months 2+	Increase	USD	1,900	1,900	2,300	2,300
MT. BELVIEU ETHYLENE(PCW) FIN FUT (MBN)								
MBN	Spec	Mnth 1	Increase	USD	2,090	1,900	2,640	2,400
MBN	Hedge/Member	Mnth 1	Increase	USD	1,900	1,900	2,400	2,400
MBN	Spec	Mnths 2+	Increase	USD	2,090	1,900	2,640	2,400
MBN	Hedge/Member	Mnths 2+	Increase	USD	1,900	1,900	2,400	2,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
1% FUEL OIL RDM VS 1% OIL NWE PLTS (33)								
33	Spec	Mnth 1	Increase	USD	2,145	1,950	2,530	2,300
33	Hedge/Member	Mnth 1	Increase	USD	1,950	1,950	2,300	2,300
ARGS PRPANE FR EST VS EURO CIF ARA (91)								
91	Spec	Mths 2-3	Increase	USD	9,350	8,500	10,450	9,500
91	Hedge/Member	Mths 2-3	Increase	USD	8,500	8,500	9,500	9,500
91	Spec	Mths 4+	Increase	USD	6,600	6,000	7,700	7,000
91	Hedge/Member	Mths 4+	Increase	USD	6,000	6,000	7,000	7,000
ARGUS PROPANE FAR EAST INDEX VS. JA (3NA)								
3NA	Spec	Mnth 1	Increase	USD	23,100	21,000	26,400	24,000
3NA	Hedge/Member	Mnth 1	Increase	USD	21,000	21,000	24,000	24,000
3NA	Spec	Mnth 2	Increase	USD	23,100	21,000	24,750	22,500
3NA	Hedge/Member	Mnth 2	Increase	USD	21,000	21,000	22,500	22,500
3NA	Spec	Mnths 3+	Increase	USD	18,700	17,000	20,350	18,500
3NA	Hedge/Member	Mnths 3+	Increase	USD	17,000	17,000	18,500	18,500
E/W NAPHTHA JAPAN CF VS CRGOES CIF (EWN)								
EWN	Spec	Mnth 1	Decrease	USD	3,960	3,600	358	325
EWN	Hedge/Member	Mnth 1	Decrease	USD	3,600	3,600	325	325
EWN	Spec	Mnths 2-4	Decrease	USD	3,960	3,600	3,575	3,250
EWN	Hedge/Member	Mnths 2-4	Decrease	USD	3,600	3,600	3,250	3,250
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Spec	Mth 1	Increase	USD	10,725	9,750	12,925	11,750
EW	Hedge/Member	Mth 1	Increase	USD	9,750	9,750	11,750	11,750
EW	Spec	Mths 2	Increase	USD	8,360	7,600	9,240	8,400
EW	Hedge/Member	Mths 2	Increase	USD	7,600	7,600	8,400	8,400
EURO DIESEL 10PPM VS. ICE (ET)								
ET	Spec	Mnths 1	Decrease	USD	2,200	2,000	1,925	1,750
ET	Hedge/Member	Mnths 1	Decrease	USD	2,000	2,000	1,750	1,750
ET	Spec	Mnth 2	Decrease	USD	1,650	1,500	1,485	1,350
ET	Hedge/Member	Mnth 2	Decrease	USD	1,500	1,500	1,350	1,350
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Spec	Mnth 2	Increase	USD	7,700	7,000	8,800	8,000
FS	Hedge/Member	Mnth 2	Increase	USD	7,000	7,000	8,000	8,000
FS	Spec	Mnths 3-8	Increase	USD	6,875	6,250	7,700	7,000
FS	Hedge/Member	Mnths 3-8	Increase	USD	6,250	6,250	7,000	7,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GAS EUROBOB NON-OXY VS OXY NWE FUT (GES)								
GES	Spec	Mnth 1	Decrease	USD	8,800	8,000	7,425	6,750
GES	Hedge/Member	Mnth 1	Decrease	USD	8,000	8,000	6,750	6,750
GES	Spec	Mnths 2-6	Decrease	USD	8,250	7,500	6,875	6,250
GES	Hedge/Member	Mnths 2-6	Decrease	USD	7,500	7,500	6,250	6,250
GES	Spec	Mnths 7+	Decrease	USD	8,250	7,500	6,875	6,250
GES	Hedge/Member	Mnths 7+	Decrease	USD	7,500	7,500	6,250	6,250
GLFCST JET PLATTS UP/DN FUT (ME)								
ME	Spec	Mnth 1	Decrease	USD	880	800	770	700
ME	Hedge/Member	Mnth 1	Decrease	USD	800	800	700	700
ME	Spec	Mnth 2	Decrease	USD	578	525	495	450
ME	Hedge/Member	Mnth 2	Decrease	USD	525	525	450	450
ME	Spec	Mnths 3-5	Decrease	USD	495	450	413	375
ME	Hedge/Member	Mnths 3-5	Decrease	USD	450	450	375	375
ME	Spec	Mnths 6+	Decrease	USD	413	375	352	320
ME	Hedge/Member	Mnths 6+	Decrease	USD	375	375	320	320
GRP3 ULSD VS NY HRBR ULSD FUT (A6)								
A6	Spec	Mnth 2	Decrease	USD	688	625	605	550
A6	Hedge/Member	Mnth 2	Decrease	USD	625	625	550	550
A6	Spec	Mnths 3-5	Decrease	USD	440	400	396	360
A6	Hedge/Member	Mnths 3-5	Decrease	USD	400	400	360	360
A6	Spec	Mnths 6+	Decrease	USD	303	275	264	240
A6	Hedge/Member	Mnths 6+	Decrease	USD	275	275	240	240
LA CARBD (OPIS) VS. NY HRBR ULSD (KL)								
KL	Spec	Mnth 2	Increase	USD	2,860	2,600	3,630	3,300
KL	Hedge/Member	Mnth 2	Increase	USD	2,600	2,600	3,300	3,300
KL	Spec	Mnths 3+	Increase	USD	2,860	2,600	3,630	3,300
KL	Hedge/Member	Mnths 3+	Increase	USD	2,600	2,600	3,300	3,300
LA CARBOB GASOLINE(OPIS)FUT (JL)								
JL	Spec	Mths 2+	Decrease	USD	5,280	4,800	4,620	4,200
JL	Hedge/Member	Mths 2+	Decrease	USD	4,800	4,800	4,200	4,200
LA JT FL(PLATTS) VS.NY HRBR ULSD FU (MQ)								
MQ	Spec		Decrease	USD	3,025	2,750	2,640	2,400
MQ	Hedge/Member		Decrease	USD	2,750	2,750	2,400	2,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINI EAST-WEST FUEL OIL FUTURES (MEW)								
MEW	Spec	Mth 1	Increase	USD	1,073	975	1,293	1,175
MEW	Hedge/Member	Mth 1	Increase	USD	975	975	1,175	1,175
MEW	Spec	Mths 2	Increase	USD	836	760	924	840
MEW	Hedge/Member	Mths 2	Increase	USD	760	760	840	840
MINI EUR DIESEL10PPM VS ICE GS FUT (MUD)								
MUD	Spec	Mnths 1	Decrease	USD	220	200	193	175
MUD	Hedge/Member	Mnths 1	Decrease	USD	200	200	175	175
MUD	Spec	Mnth 2	Decrease	USD	165	150	149	135
MUD	Hedge/Member	Mnth 2	Decrease	USD	150	150	135	135
NEW YORK FUEL OIL 1% V. EURO 1% FO (NYF)								
NYF	Spec	Mnth 2	Increase	USD	1,650	1,500	1,925	1,750
NYF	Hedge/Member	Mnth 2	Increase	USD	1,500	1,500	1,750	1,750
NYF	Spec	Mnths 3+	Increase	USD	1,320	1,200	1,650	1,500
NYF	Hedge/Member	Mnths 3+	Increase	USD	1,200	1,200	1,500	1,500
NY 3% FUEL OIL V GULF COAST NO6 3% (FOC)								
FOC	Spec	Mnth 1	Increase	USD	688	625	770	700
FOC	Hedge/Member	Mnth 1	Increase	USD	625	625	700	700
NY BUCKEYE JET FUEL VS NY HARB ULSD (JET)								
JET	Spec	Mnth 1	Decrease	USD	770	700	688	625
JET	Hedge/Member	Mnth 1	Decrease	USD	700	700	625	625
JET	Spec	Mnth 2	Decrease	USD	770	700	688	625
JET	Hedge/Member	Mnth 2	Decrease	USD	700	700	625	625
JET	Spec	Mnths 3+	Decrease	USD	770	700	688	625
JET	Hedge/Member	Mnths 3+	Decrease	USD	700	700	625	625
RBOB SPREAD (PLATTS) FUT (RI)								
RI	Spec		Increase	USD	1,375	1,250	1,760	1,600
RI	Hedge/Member		Increase	USD	1,250	1,250	1,600	1,600
SING FUEL OIL PLATT VS DME OMAM CRK (DUA)								
DUA	Spec	Mth 1	Increase	USD	19,800	18,000	21,450	19,500
DUA	Hedge/Member	Mth 1	Increase	USD	18,000	18,000	19,500	19,500
DUA	Spec	Mths 2+	Increase	USD	16,775	15,250	19,250	17,500
DUA	Hedge/Member	Mths 2+	Increase	USD	15,250	15,250	17,500	17,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE JET KERO GASOIL FUT (RK)								
RK	Spec	Mnth 2	Decrease	USD	550	500	440	400
RK	Hedge/Member	Mnth 2	Decrease	USD	500	500	400	400
RK	Spec	Mnth 3+	Decrease	USD	358	325	303	275
RK	Hedge/Member	Mnth 3+	Decrease	USD	325	325	275	275
SINGPORE GASOIL V SINGAGSOL 500 PPM (STZ)								
STZ	Spec	Mnth 1	Decrease	USD	275	250	220	200
STZ	Hedge/Member	Mnth 1	Decrease	USD	250	250	200	200
STZ	Spec	Mnth 2+	Decrease	USD	248	225	193	175
STZ	Hedge/Member	Mnth 2+	Decrease	USD	225	225	175	175
SPORE FUEL OIL 180CST 6.35 DUBAI CK (STS)								
STS	Spec	Mnth 1	Increase	USD	3,630	3,300	4,070	3,700
STS	Hedge/Member	Mnth 1	Increase	USD	3,300	3,300	3,700	3,700

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								
3.5% FUEL OIL CID MED FUT (7D)								
7D	Spec		Increase	USD	32,450	29,500	41,250	37,500
7D	Hedge/Member		Increase	USD	29,500	29,500	37,500	37,500
EIA FLAT TAX ONHWAY DIESEL FUT (A5)								
A5	Spec	Mnth 1	Increase	USD	6,325	5,750	7,700	7,000
A5	Hedge/Member	Mnth 1	Increase	USD	5,750	5,750	7,000	7,000
EIA FLAT TAX US RETAIL GASOLINE FUT (JE)								
JE	Spec	Month 1	Increase	USD	5,060	4,600	5,280	4,800
JE	Hedge/Member	Month 1	Increase	USD	4,600	4,600	4,800	4,800
EUROPE 1% FUEL OIL NWE CALFUT (UF)								
UF	Spec	Mnth 1	Increase	USD	36,850	33,500	40,700	37,000
UF	Hedge/Member	Mnth 1	Increase	USD	33,500	33,500	37,000	37,000
UF	Spec	Mnths 2-6	Increase	USD	33,550	30,500	37,400	34,000
UF	Hedge/Member	Mnths 2-6	Increase	USD	30,500	30,500	34,000	34,000
UF	Spec	Mnths 7+	Increase	USD	30,800	28,000	34,100	31,000
UF	Hedge/Member	Mnths 7+	Increase	USD	28,000	28,000	31,000	31,000
EUROPE 3.5% FUEL OIL MED CALFUT (UI)								
UI	Spec		Increase	USD	34,100	31,000	38,500	35,000
UI	Hedge/Member		Increase	USD	31,000	31,000	35,000	35,000
GROUP THREE SUB-OCT GAS (PLATTS) (A9)								
A9	Spec		Increase	USD	4,620	4,200	5,170	4,700
A9	Hedge/Member		Increase	USD	4,200	4,200	4,700	4,700
GROUP THREE ULSD (PLATTS) FUT (A7)								
A7	Spec	Mnth 1	Increase	USD	4,290	3,900	5,060	4,600
A7	Hedge/Member	Mnth 1	Increase	USD	3,900	3,900	4,600	4,600
A7	Spec	Mnths 2-6	Increase	USD	4,290	3,900	5,060	4,600
A7	Hedge/Member	Mnths 2-6	Increase	USD	3,900	3,900	4,600	4,600
A7	Spec	Mnths 7+	Increase	USD	3,960	3,600	4,400	4,000
A7	Hedge/Member	Mnths 7+	Increase	USD	3,600	3,600	4,000	4,000
JAPAN C&F NAPHTHA FUT (JA)								
JA	Spec	Mnth 1	Increase	USD	36,850	33,500	40,150	36,500
JA	Hedge/Member	Mnth 1	Increase	USD	33,500	33,500	36,500	36,500
JA	Spec	Mnths 2-6	Increase	USD	36,850	33,500	40,150	36,500
JA	Hedge/Member	Mnths 2-6	Increase	USD	33,500	33,500	36,500	36,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICRO EURO 3.5% FO CAR MED PLATTS (M35)								
M35	Spec		Increase	USD	341	310	385	350
M35	Hedge/Member		Increase	USD	310	310	350	350
MICRO SINGAPORE FUEL OIL 380CST (PL (MAF)								
MAF	Spec	Mnths 2	Increase	USD	314	285	347	315
MAF	Hedge/Member	Mnths 2	Increase	USD	285	285	315	315
MIN EUR 1% FUEL OIL CRGO FOBNWE FUT (0B)								
0B	Spec	Mnth 1	Increase	USD	3,685	3,350	4,070	3,700
0B	Hedge/Member	Mnth 1	Increase	USD	3,350	3,350	3,700	3,700
0B	Spec	Mnths 2-6	Increase	USD	3,355	3,050	3,740	3,400
0B	Hedge/Member	Mnths 2-6	Increase	USD	3,050	3,050	3,400	3,400
0B	Spec	Mnths 7+	Increase	USD	3,080	2,800	3,410	3,100
0B	Hedge/Member	Mnths 7+	Increase	USD	2,800	2,800	3,100	3,100
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Spec	Mnth 1	Increase	USD	3,685	3,350	4,015	3,650
MJN	Hedge/Member	Mnth 1	Increase	USD	3,350	3,350	3,650	3,650
MJN	Spec	Mnths 2-6	Increase	USD	3,685	3,350	4,015	3,650
MJN	Hedge/Member	Mnths 2-6	Increase	USD	3,350	3,350	3,650	3,650
MINI 3.5% FUEL OIL CAR MED FUT (MMF)								
MMF	Spec		Increase	USD	3,410	3,100	3,850	3,500
MMF	Hedge/Member		Increase	USD	3,100	3,100	3,500	3,500
MINI SINGAPORE 380CST FUEL OIL FUT (MTS)								
MTS	Spec	Mnths 2	Increase	USD	3,135	2,850	3,465	3,150
MTS	Hedge/Member	Mnths 2	Increase	USD	2,850	2,850	3,150	3,150
MINI SINGAPORE GASOIL 500 PPM (PLAT (MGO)								
MGO	Spec	Mnth 1	Increase	USD	418	380	473	430
MGO	Hedge/Member	Mnth 1	Increase	USD	380	380	430	430
MGO	Spec	Mnths 2-6	Increase	USD	418	380	473	430
MGO	Hedge/Member	Mnths 2-6	Increase	USD	380	380	430	430
MGO	Spec	Mnths 7+	Increase	USD	363	330	418	380
MGO	Hedge/Member	Mnths 7+	Increase	USD	330	330	380	380

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MINI SINGP FUEL OIL 180CST FUTURES (0F)								
0F	Spec	Mnth 1	Increase	USD	3,740	3,400	4,180	3,800
0F	Hedge/Member	Mnth 1	Increase	USD	3,400	3,400	3,800	3,800
0F	Spec	Mnth 2	Increase	USD	3,630	3,300	4,070	3,700
0F	Hedge/Member	Mnth 2	Increase	USD	3,300	3,300	3,700	3,700
0F	Spec	Mnths 3-7	Increase	USD	3,190	2,900	3,520	3,200
0F	Hedge/Member	Mnths 3-7	Increase	USD	2,900	2,900	3,200	3,200
0F	Spec	Mnths 8+	Increase	USD	2,695	2,450	3,025	2,750
0F	Hedge/Member	Mnths 8+	Increase	USD	2,450	2,450	2,750	2,750
MOGAS92 UNLEADED (PLATTS) FUT (1N)								
1N	Spec	Mnth 2	Increase	USD	4,400	4,000	4,840	4,400
1N	Hedge/Member	Mnth 2	Increase	USD	4,000	4,000	4,400	4,400
1N	Spec	Mnth 1	Increase	USD	4,400	4,000	4,840	4,400
1N	Hedge/Member	Mnth 1	Increase	USD	4,000	4,000	4,400	4,400
1N	Spec	Mnths 3+	Increase	USD	4,400	4,000	4,840	4,400
1N	Hedge/Member	Mnths 3+	Increase	USD	4,000	4,000	4,400	4,400
PREM UNL GAS 10 PPM (PLTS) RDM (7L)								
7L	Spec		Increase	USD	37,950	34,500	44,000	40,000
7L	Hedge/Member		Increase	USD	34,500	34,500	40,000	40,000
PREMIUM UNLD 10P FOB MED FUT (3G)								
3G	Spec	Mnth 1	Increase	USD	40,700	37,000	45,100	41,000
3G	Hedge/Member	Mnth 1	Increase	USD	37,000	37,000	41,000	41,000
3G	Spec	Mnths 2+	Increase	USD	40,700	37,000	44,000	40,000
3G	Hedge/Member	Mnths 2+	Increase	USD	37,000	37,000	40,000	40,000
PREMIUM UNLD 10PPM CARGOES CIF (4G)								
4G	Spec		Increase	USD	40,700	37,000	44,000	40,000
4G	Hedge/Member		Increase	USD	37,000	37,000	40,000	40,000
SINGAPORE 380CST FUEL OIL FUT (SE)								
SE	Spec	Mnths 2	Increase	USD	31,350	28,500	34,650	31,500
SE	Hedge/Member	Mnths 2	Increase	USD	28,500	28,500	31,500	31,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE FUEL 180CST CALFUT (UA)								
UA	Spec	Mnth 1	Increase	USD	37,400	34,000	41,800	38,000
UA	Hedge/Member	Mnth 1	Increase	USD	34,000	34,000	38,000	38,000
UA	Spec	Mnth 2	Increase	USD	36,300	33,000	40,700	37,000
UA	Hedge/Member	Mnth 2	Increase	USD	33,000	33,000	37,000	37,000
UA	Spec	Mnths 3-7	Increase	USD	31,900	29,000	35,200	32,000
UA	Hedge/Member	Mnths 3-7	Increase	USD	29,000	29,000	32,000	32,000
UA	Spec	Mnths 8+	Increase	USD	26,950	24,500	30,250	27,500
UA	Hedge/Member	Mnths 8+	Increase	USD	24,500	24,500	27,500	27,500
SINGAPORE GASOIL 500 PPM (PLATTS) F (GHS)								
GHS	Spec	Mnth 1	Increase	USD	4,180	3,800	4,730	4,300
GHS	Hedge/Member	Mnth 1	Increase	USD	3,800	3,800	4,300	4,300
GHS	Spec	Mnths 2-6	Increase	USD	4,180	3,800	4,730	4,300
GHS	Hedge/Member	Mnths 2-6	Increase	USD	3,800	3,800	4,300	4,300
GHS	Spec	Mnths 7+	Increase	USD	3,630	3,300	4,180	3,800
GHS	Hedge/Member	Mnths 7+	Increase	USD	3,300	3,300	3,800	3,800
SINGAPORE JET KEROSENE FUT (KS)								
KS	Spec	Mnth 1	Increase	USD	3,850	3,500	4,235	3,850
KS	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	3,850	3,850
KS	Spec	Mnths 2-6	Increase	USD	3,850	3,500	4,235	3,850
KS	Hedge/Member	Mnths 2-6	Increase	USD	3,500	3,500	3,850	3,850
SYNTHETI SINGAPORE JET KEROSENE FUT (SKS)								
SKS	Spec	Mnth 1	Increase	USD	3,850	3,500	4,235	3,850
SKS	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	3,850	3,850
SKS	Spec	Mnths 2-6	Increase	USD	3,850	3,500	4,235	3,850
SKS	Hedge/Member	Mnths 2-6	Increase	USD	3,500	3,500	3,850	3,850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
				METALS - Intra Spreads				
Consecutive Spread - Months 2+ (ALUMINUM MW TRANS PREM PLATTS FUT)								
AUP	Spec		Decrease	USD	770	700	660	600
AUP	Hedge/Member		Decrease	USD	700	700	600	600
Consecutive Spread - Months 2+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	468	425	578	525
HR	Hedge/Member		Increase	USD	425	425	525	525
Month 1 vs. Months 11+ (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	468	425	578	525
HR	Hedge/Member		Increase	USD	425	425	525	525
Month 1 vs. Months 2-10 (NYMEX HOT ROLLED STEEL FUTURES)								
HR	Spec		Increase	USD	468	425	578	525
HR	Hedge/Member		Increase	USD	425	425	525	525
Mths 1-4 vs Mths 1-4 (ALUMINUM A-380 ALLOY PLATTS FUTURES)								
A38	Spec		Increase	USD	1,210	1,100	1,650	1,500
A38	Hedge/Member		Increase	USD	1,100	1,100	1,500	1,500
Mths 1-4 vs Mths 1-4 (ALUMINUM FUTURES)								
ALI	Spec		Increase	USD	495	450	605	550
ALI	Hedge/Member		Increase	USD	450	450	550	550
Mths 1-4 vs Mths 5+ (ALUMINUM A-380 ALLOY PLATTS FUTURES)								
A38	Spec		Increase	USD	1,210	1,100	1,650	1,500
A38	Hedge/Member		Increase	USD	1,100	1,100	1,500	1,500
Mths 1-4 vs Mths 5+ (ALUMINUM FUTURES)								
ALI	Spec		Increase	USD	605	550	715	650
ALI	Hedge/Member		Increase	USD	550	550	650	650
Mths 5+ vs Mths 5+ (ALUMINUM A-380 ALLOY PLATTS FUTURES)								
A38	Spec		Increase	USD	1,210	1,100	1,650	1,500
A38	Hedge/Member		Increase	USD	1,100	1,100	1,500	1,500
Mths 5+ vs Mths 5+ (ALUMINUM FUTURES)								
ALI	Spec		Increase	USD	605	550	715	650
ALI	Hedge/Member		Increase	USD	550	550	650	650
U.S. Midwest #1 Busheling Ferrous Scrap (AMM) Futures - All Months (U.S. MIDWEST BUSHELING SCRAP)								
BUS	Spec		Decrease	USD	578	525	495	450
BUS	Hedge/Member		Decrease	USD	525	525	450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
East/West Fuel Oil Spread Swap - Tier 2 vs Tier 2 (EAST/WEST FUEL OIL SPREAD FUT)								
EW	Spec		Increase	USD	3,465	3,150	4,180	3,800
EW	Hedge/Member		Increase	USD	3,150	3,150	3,800	3,800
East/West Fuel Oil Spread Swap - Tier 2 vs Tier 2 (MINI EAST-WEST FUEL OIL FUTURES)								
MEW	Spec		Increase	USD	347	315	418	380
MEW	Hedge/Member		Increase	USD	315	315	380	380

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
Dow Jones - UBS Commodity Index Excess Return (70) vs. S&P GSCI Excess Return (GA)						
Spread Credit Rate	Decrease	+10:-1	50%	50%	45%	45%
GSCI ER Futures (GA) vs. Goldman Sachs Commodity Index (GI)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%
CRUDE OIL - Inter-commodity Spread Rates						
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs E-MINI NASDAQ (NQ - CME)						
Spread Credit Rate	Increase	+2:-1	40%	40%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+2:-1			40%	40%
EQUITY INDEX - Inter-commodity Spread Rates						
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 30 DAY FED FUNDS FUTURES (41 - CME)						
Spread Credit Rate	Increase	+1:+10	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:+8	30%	30%	40%	40%
2-YEAR T-NOTE (26 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+50:+1	45%	45%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
E-MINI DOW ($5) FUTURES (YM - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Increase	+1:+3	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Increase	+1:+9	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs 5-YEAR T-NOTE (25 - CME)						
Spread Credit Rate	Increase	+1:+5	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+5:-1	85%	85%	90%	90%
E-MINI DOW ($5) FUTURES (YM - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+1	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	Increase	+1:+2	35%	35%	50%	50%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+5:-1	75%	75%	80%	80%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+1	0%	0%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Increase	+1:+2	0%	0%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Increase	+5:+4	0%	0%	30%	30%
E-MINI REAL ESTATE SELECT SECTOR FUTURES (XAR - CME) vs S&P SELECT SECTOR - COMMUNICATION SERVICES (XAZ - CME)						
Spread Credit Rate	Increase	+2:-1	0%	0%	25%	25%
E-MINI REAL ESTATE SELECT SECTOR FUTURES (XAR - CME) vs S&P SELECT SECTOR - INDUSTRIAL (XAI - CME)						
Spread Credit Rate	Increase	+1:-1	25%	25%	35%	35%
E-MINI S&P MIDCAP 400 (ME - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+2:-3	65%	65%	70%	70%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
EURODOLLAR (ED - CME) Tier 10 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 11 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 2 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+100:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 3 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 4 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 5 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EURODOLLAR (ED - CME) Tier 6 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 7 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 8 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 9 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+14:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+11:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+8:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+7:+1	40%	40%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs E-MINI NASDAQ (NQ - CME)						
Spread Credit Rate	Increase	+2:-1	40%	40%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs E-MINI NASDAQ (NQ - CME)						
Spread Credit Rate	Increase	+2:-1	40%	40%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+10:-1	40%	40%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME)						
Spread Credit Rate	Increase	-2:+1	40%	40%	45%	45%
NIKKEI 225 DOLLAR-BASED (NK - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+2:-5	40%	40%	45%	45%
NIKKEI 225 YEN-BASED (N1 - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Decrease	+2:-5	62%	62%	45%	45%
RBOB GASOLINE FUTURES (NY-RB - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)						
Spread Credit Rate	Increase	-1:+1	35%	35%	40%	40%
RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	-10:-1	35%	35%	40%	40%
RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME)						
Spread Credit Rate	Increase	-2:+1	35%	35%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
S&P 500 (SP - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Increase	+1:+70	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:+50	35%	35%	50%	50%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Increase	+1:+5	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+2:-1			40%	40%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs EURODOLLAR (ED - CME)						
Spread Credit Rate	Increase	+1:+20	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:+12	40%	40%	50%	50%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Increase	+1:+20	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:+14	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:+10	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs S&P 500 GROWTH (SG - CME)						
Spread Credit Rate	Increase	+3:-1	75%	75%	85%	85%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs S&P SELECT SECTOR - ENERGY (XAE - CME)						
Spread Credit Rate	New	+2:-1			50%	50%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs S&P SELECT SECTOR - UTILITIES (XAU - CME)						
Spread Credit Rate	New	+2:-1			35%	35%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+2	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Increase	+1:+4	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Increase	+1:+2	35%	35%	45%	45%
S&P Midcap 400 (MD) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Increase	+5:-2	70%	70%	75%	75%
S&P SELECT SECTOR - INDUSTRIAL (XAI - CME) vs S&P SELECT SECTOR - COMMUNICATION SERVICES (XAZ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
U.S. TREASURY BOND (17 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+10:+1	35%	35%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+20:+2	35%	35%	50%	50%
ULTRA LONG TREASURY BOND (UBE - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+4:+5	35%	35%	50%	50%
ULTRA LONG TREASURY BOND (UBE - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+10:+1	35%	35%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
INTEREST RATES - Inter-commodity Spread Rates						
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs 30 DAY FED FUNDS FUTURES (41 - CME)						
Spread Credit Rate	Increase	+1:+10	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:+8	30%	30%	40%	40%
10 YR NOTE (21 - CME) vs 2 YR NOTE (26 - CME)						
Spread Credit Rate	Decrease	+1:-2	70%	70%	65%	65%
2-YEAR T-NOTE (26 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+50:+1	45%	45%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Increase	+1:+3	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Increase	+1:+9	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs 5-YEAR T-NOTE (25 - CME)						
Spread Credit Rate	Increase	+1:+5	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+1	35%	35%	50%	50%
E-MINI DOW ($5) FUTURES (YM - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Increase	+1:+2	35%	35%	50%	50%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+1	0%	0%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Increase	+1:+2	0%	0%	30%	30%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Increase	+5:+4	0%	0%	30%	30%
EURODOLLAR (ED - CME) Tier 10 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 11 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 2 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+100:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 3 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 4 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EURODOLLAR (ED - CME) Tier 5 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 6 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 7 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 8 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) Tier 9 vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+60:+1	40%	40%	50%	50%
EURODOLLAR (ED - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+14:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+11:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+8:+1	40%	40%	50%	50%
Spread Credit Rate	Increase	+7:+1	40%	40%	50%	50%
S&P 500 (SP - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Increase	+1:+70	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:+50	35%	35%	50%	50%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs 10-YEAR T-NOTE (21 - CME)						
Spread Credit Rate	Increase	+1:+5	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs EURODOLLAR (ED - CME)						
Spread Credit Rate	Increase	+1:+20	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:+12	40%	40%	50%	50%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs FED FUNDS (41 - CME)						
Spread Credit Rate	Increase	+1:+20	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:+14	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:+10	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs U.S. TREASURY BOND (17 - CME)						
Spread Credit Rate	Increase	+1:+2	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME)						
Spread Credit Rate	Increase	+1:+4	35%	35%	45%	45%
S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME) vs ULTRA LONG TREASURY BOND (UBE - CME)						
Spread Credit Rate	Increase	+1:+2	35%	35%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
U.S. TREASURY BOND (17 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+10:+1	35%	35%	45%	45%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+20:+2	35%	35%	50%	50%
ULTRA LONG TREASURY BOND (UBE - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+4:+5	35%	35%	50%	50%
ULTRA LONG TREASURY BOND (UBE - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+10:+1	35%	35%	50%	50%

INTEREST RATES - Inter-commodity Spread - Scanning Based Spread

CC	Name	Current Delta Per Leg	New Delta Per Leg
25 - CME	5-YEAR T-NOTE	20	18
21 - CME	10-YEAR T-NOTE	12	12
TN - CME	ULTRA 10-YEAR T-NOTE	8	8
17 - CME	U.S. TREASURY BOND	4	5
UBE - CME	ULTRA LONG TREASURY BOND	3	3

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 EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)

Spread Credit Rate	Decrease	+1:-1	88%	88%	86%	86%

1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)

Spread Credit Rate	Decrease	+3:-19	88%	88%	86%	86%

1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)

Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%

EUROPEAN 1% FUEL OIL CARGOES FOB MED (PLATTS) SWAP FUTURES (NY-EFM - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)

Spread Credit Rate	Decrease	+1:-1	88%	88%	86%	86%

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	92%	92%	90%	90%

NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs NY HARBOR RESIDUAL FUEL 1.0% SWAP (NYM-MM - CME)

Spread Credit Rate	Decrease	+1:-1	88%	88%	86%	86%

NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs E-MINI NASDAQ (NQ - CME)

Spread Credit Rate	Increase	+2:-1	40%	40%	45%	45%

NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)

Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%

NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P 500 (SP - CME)

Spread Credit Rate	Increase	+10:-1	40%	40%	45%	45%

NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME)

Spread Credit Rate	Increase	-2:+1	40%	40%	45%	45%

RBOB GASOLINE FUTURES (NY-RB - CME) vs E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME)

Spread Credit Rate	Increase	-1:+1	35%	35%	40%	40%

RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P 500 (SP - CME)

Spread Credit Rate	Increase	-10:-1	35%	35%	40%	40%

RBOB GASOLINE FUTURES (NY-RB - CME) vs S&P 500 TOTAL RETURN INDEX FUTURES (TRF - CME)

Spread Credit Rate	Increase	-2:+1	35%	35%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
			AGRICULTURE - Volatility Scan (volScan) Rate			
NONFAT DRY MILK (NF, NF) - volScan						
Clearing Member Rate	Month 3-4	Increase		23.000%		28.000%
			FX - Volatility Scan (volScan) Rate			
JAPANESE YEN (J7, JPU, JY, JY, MJY, V6J, V6J, VXJ, WJY, YJ) - volScan						
Clearing Member Rate	Month 1-3	Increase		20.000%		25.000%
Clearing Member Rate	Months 4+	Increase		12.000%		18.000%
			METALS - Volatility Scan (volScan) Rate			
SILVER FUTURES (6Q, QI, SI, SIL, SIT, SO, SOW) - volScan						
Clearing Member Rate	Mnth1	Increase		25.000%		29.000%
Clearing Member Rate	Mnth2	Increase		20.000%		24.000%
Clearing Member Rate	Mnth3	Increase		20.000%		24.000%
Clearing Member Rate	Mnth4	Increase		20.000%		24.000%
Clearing Member Rate	Mnth5	Increase		13.000%		18.000%
Clearing Member Rate	Mnth6	Increase		13.000%		18.000%
Clearing Member Rate	Mnth7	Increase		13.000%		18.000%
Clearing Member Rate	Mnth8	Increase		13.000%		18.000%
Clearing Member Rate	Mnth9	Increase		13.000%		18.000%
Clearing Member Rate	Mnth10	Increase		13.000%		18.000%
Clearing Member Rate	Mnth11	Increase		13.000%		18.000%
Clearing Member Rate	Mnth12	Increase		13.000%		18.000%
Clearing Member Rate	Mnth13+	Increase		13.000%		18.000%