



15-153

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, June 04, 2015

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, June 05, 2015.

Current rates as of:

Thursday, June 04, 2015.

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								
ELECTRICITY - Outright Rates								
AEP-DAYTON HUB OFF-PEAK MONTHLY (VP)								
VP	Spec	Mnth 1	Increase	USD	2,200	2,000	3,300	3,000
VP	Hedge/Member	Mnth 1	Increase	USD	2,000	2,000	3,000	3,000
AER-DAYTON HUB MONTHLY (VM)								
VM	Spec	Mnth 2	Increase	USD	2,750	2,500	4,015	3,650
VM	Hedge/Member	Mnth 2	Increase	USD	2,500	2,500	3,650	3,650
NORTHERN ILLINOIS HUB MONTHLY (UM)								
UM	Spec	Mnth 2	Increase	USD	3,025	2,750	3,300	3,000
UM	Hedge/Member	Mnth 2	Increase	USD	2,750	2,750	3,000	3,000
NORTHERN ILLINOIS OFF-PEAK MONTHLY (UO)								
UO	Spec	Mnth 1	Increase	USD	2,750	2,500	4,208	3,825
UO	Hedge/Member	Mnth 1	Increase	USD	2,500	2,500	3,825	3,825
PJM AD HUB 5MW REAL TIME O PK (V3)								
V3	Spec	Mnth 1	Increase	USD	22	20	33	30
V3	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
PJM AECO DA OFF-PEAK (X1)								
X1	Spec	Mnth 2	Increase	USD	17	15	22	20
X1	Hedge/Member	Mnth 2	Increase	USD	15	15	20	20
X1	Spec	Mnths 3-4	Increase	USD	11	10	17	15
X1	Hedge/Member	Mnths 3-4	Increase	USD	10	10	15	15
X1	Spec	Mnths 5-11	Increase	USD	11	10	17	15
X1	Hedge/Member	Mnths 5-11	Increase	USD	10	10	15	15
PJM AEP DAYTON HUB DA OP DAILY (PEO)								
PEO	Spec	Days 1 - 11	Increase	USD	39	35	61	55
PEO	Hedge/Member	Days 1 - 11	Increase	USD	35	35	55	55
PJM AEP DAYTON HUB DA PEAK DAILY (PAP)								
PAP	Spec	Days 1-11	Decrease	USD	770	700	660	600
PAP	Hedge/Member	Days 1-11	Decrease	USD	700	700	600	600
PAP	Spec	Days 12-15	Increase	USD	330	300	385	350
PAP	Hedge/Member	Days 12-15	Increase	USD	300	300	350	350
PAP	Spec	Days 16+	Increase	USD	193	175	358	325
PAP	Hedge/Member	Days 16+	Increase	USD	175	175	325	325
PJM APS ZONE DA PEAK (S4)								
S4	Spec	Mnth 1	Increase	USD	550	500	660	600
S4	Hedge/Member	Mnth 1	Increase	USD	500	500	600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
S4	Spec	Mnths 3-4	Increase	USD	275	250	330	300
S4	Hedge/Member	Mnths 3-4	Increase	USD	250	250	300	300
PJM BGE DA OFF-PEAK (R3)								
R3	Spec	Mnth 1	Decrease	USD	50	45	22	20
R3	Hedge/Member	Mnth 1	Decrease	USD	45	45	20	20
PJM BGE DA PEAK (E3)								
E3	Spec	Mnth 1	Increase	USD	715	650	825	750
E3	Hedge/Member	Mnth 1	Increase	USD	650	650	750	750
E3	Spec	Mnths 3-11	Decrease	USD	605	550	495	450
E3	Hedge/Member	Mnths 3-11	Decrease	USD	550	550	450	450
E3	Spec	Mnths 12+	Decrease	USD	495	450	330	300
E3	Hedge/Member	Mnths 12+	Decrease	USD	450	450	300	300
PJM COMED 5MW D AH PK (D8)								
D8	Spec	Mnth 2	Increase	USD	275	250	319	290
D8	Hedge/Member	Mnth 2	Increase	USD	250	250	290	290
PJM DAYTON DA PEAK (D7)								
D7	Spec	Mnth 1	Increase	USD	330	300	440	400
D7	Hedge/Member	Mnth 1	Increase	USD	300	300	400	400
D7	Spec	Mnths 3-4	Decrease	USD	605	550	270	245
D7	Hedge/Member	Mnths 3-4	Decrease	USD	550	550	245	245
PJM JCPL DA PEAK (J2)								
J2	Spec	Mnth 2	Increase	USD	440	400	495	450
J2	Hedge/Member	Mnth 2	Increase	USD	400	400	450	450
J2	Spec	Mnths 12+	Decrease	USD	440	400	303	275
J2	Hedge/Member	Mnths 12+	Decrease	USD	400	400	275	275
PJM METED ZONE OFFPK CAL MO LMP FUT (46)								
46	Spec	Mnth 2	Increase	USD	17	15	22	20
46	Hedge/Member	Mnth 2	Increase	USD	15	15	20	20
PJM METED ZONE PK CAL LMP FUTURES (47)								
47	Spec	Mnth 1	Increase	USD	605	550	880	800
47	Hedge/Member	Mnth 1	Increase	USD	550	550	800	800
PJM NI HUB 5MW REAL TIME O PK (B6)								
B6	Spec	Mnth 1	Increase	USD	22	20	33	30
B6	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
B6	Spec	Mnths 12+	Decrease	USD	17	15	11	10
B6	Hedge/Member	Mnths 12+	Decrease	USD	15	15	10	10

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

PJM NI HUB 5MW REAL TIME PK (B3)

B3	Spec	Mnth 1	Decrease	USD	880	800	715	650
B3	Hedge/Member	Mnth 1	Decrease	USD	800	800	650	650

PJM NILL DA PEAK (N3)

N3	Spec	Mnths 12+	Decrease	USD	220	200	165	150
N3	Hedge/Member	Mnths 12+	Decrease	USD	200	200	150	150

PJM OFF-PEAK LMP FUT (JP)

JP	Spec	Mnth 1	Increase	USD	3,960	3,600	4,620	4,200
JP	Hedge/Member	Mnth 1	Increase	USD	3,600	3,600	4,200	4,200

PJM PECO Z5 MW PK CLM DA LMP (4N)

4N	Spec	Mnth 1	Increase	USD	660	600	880	800
4N	Hedge/Member	Mnth 1	Increase	USD	600	600	800	800

PJM PPL DA PEAK (L5)

L5	Spec	Mnth 1	Increase	USD	715	650	825	750
L5	Hedge/Member	Mnth 1	Increase	USD	650	650	750	750
L5	Spec	Mnths 3-11	Increase	USD	275	250	330	300
L5	Hedge/Member	Mnths 3-11	Increase	USD	250	250	300	300
L5	Spec	Mnths 12+	Increase	USD	248	225	330	300
L5	Hedge/Member	Mnths 12+	Increase	USD	225	225	300	300

PJM WESTH DA OFF-PEAK (E4)

E4	Spec	Mnth 1	Decrease	USD	33	30	22	20
E4	Hedge/Member	Mnth 1	Decrease	USD	30	30	20	20

EQUITY INDEX - Outright Rates

E-MINI CNX NIFTY INDEX FUTURES (II)

II	Spec		Decrease	USD	1,210	1,100	825	750
II	Hedge/Member		Decrease	USD	1,100	1,100	750	750

FREIGHT - Outright Rates

TC5 RAS TANURA TO YOKOHAMA 55K MT (TH)

TH	Spec	Mth 1	Increase	USD	3,630	3,300	4,400	4,000
TH	Hedge/Member	Mth 1	Increase	USD	3,300	3,300	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								
FX - Outright Rates								
AD/JY FUTURES (AJ)								
AJ	Spec		Decrease	JPY	632,500	575,000	577,500	525,000
AJ	Hedge/Member		Decrease	JPY	575,000	575,000	525,000	525,000
AD/NE CROSS RATE FUTURES (AN)								
AN	Spec		Increase	NZD	3,960	3,600	4,730	4,300
AN	Hedge/Member		Increase	NZD	3,600	3,600	4,300	4,300
BRITISH POUND FUTURES (BP)								
BP	Spec		Decrease	USD	2,145	1,950	2,035	1,850
BP	Hedge/Member		Decrease	USD	1,950	1,950	1,850	1,850
CZECH KORUNA/EURO CROSS RATE FUT (K)								
K	Spec		Increase	EUR	2,530	2,300	2,860	2,600
K	Hedge/Member		Increase	EUR	2,300	2,300	2,600	2,600
EC/CD CROSS RATE FUTURE (CC)								
CC	Spec		Decrease	CAD	5,060	4,600	4,510	4,100
CC	Hedge/Member		Decrease	CAD	4,600	4,600	4,100	4,100
EC/NKR FUTURES (CN)								
CN	Spec		Increase	NOK	31,350	28,500	36,300	33,000
CN	Hedge/Member		Increase	NOK	28,500	28,500	33,000	33,000
E-MICRO GBP/USD FUTURES (M6B)								
M6B	Spec		Decrease	USD	215	195	204	185
M6B	Hedge/Member		Decrease	USD	195	195	185	185
EURO FX/BP FUTURE (RP)								
RP	Spec		Increase	GBP	1,980	1,800	2,310	2,100
RP	Hedge/Member		Increase	GBP	1,800	1,800	2,100	2,100
EURO FX/JY FUTURE (RY)								
RY	Spec		Decrease	JPY	550,000	500,000	495,000	450,000
RY	Hedge/Member		Decrease	JPY	500,000	500,000	450,000	450,000
EURORENMINBI FUTURE (RME)								
RME	Spec		Increase	EUR	3,630	3,300	4,400	4,000
RME	Hedge/Member		Increase	EUR	3,300	3,300	4,000	4,000
MEXICAN PESO FUTURES (MP)								
MP	Spec		Decrease	USD	2,310	2,100	2,035	1,850
MP	Hedge/Member		Decrease	USD	2,100	2,100	1,850	1,850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

METALS - Outright Rates

IRON ORE FUTURES (TIO)

TIO	Spec	Mnths 2-4	Increase	USD	2,090	1,900	2,365	2,150
TIO	Hedge/Member	Mnths 2-4	Increase	USD	1,900	1,900	2,150	2,150
TIO	Spec	Mnths 5+	New	USD			2,090	1,900
TIO	Hedge/Member	Mnths 5+	New	USD			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								
NATURAL GAS - Outright Rates								
ALGON CITY GATES NAT GAS INDEX FUT (N7)								
N7	Spec	Mths 1 - 2	Decrease	USD	28,050	25,500	22,000	20,000
N7	Hedge/Member	Mths 1 - 2	Decrease	USD	25,500	25,500	20,000	20,000
ALGONQUIN CITYGATES BASIS (B4)								
B4	Spec	Mnth 1	Decrease	USD	3,300	3,000	2,420	2,200
B4	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,200	2,200
B4	Spec	Winter 2015/2016	Decrease	USD	2,750	2,500	2,475	2,250
B4	Hedge/Member	Winter 2015/2016	Decrease	USD	2,500	2,500	2,250	2,250
B4	Spec	APR 2016+	Decrease	USD	3,300	3,000	2,970	2,700
B4	Hedge/Member	APR 2016+	Decrease	USD	3,000	3,000	2,700	2,700
ALGONQUIN CITY-GATES NAT SWING FUT (C8)								
C8	Spec		Decrease	USD	28,050	25,500	22,000	20,000
C8	Hedge/Member		Decrease	USD	25,500	25,500	20,000	20,000
ANR LOUISIANA BASIS FUT (ND)								
ND	Spec	Mth 1	Decrease	USD	204	185	182	165
ND	Hedge/Member	Mth 1	Decrease	USD	185	185	165	165
ND	Spec	Mths 2 - 5	Decrease	USD	165	150	149	135
ND	Hedge/Member	Mths 2 - 5	Decrease	USD	150	150	135	135
ND	Spec	Mths 6+	Decrease	USD	149	135	132	120
ND	Hedge/Member	Mths 6+	Decrease	USD	135	135	120	120
ANR OKLAHOMA (NE)								
NE	Spec	Mnth 1	Decrease	USD	330	300	220	200
NE	Hedge/Member	Mnth 1	Decrease	USD	300	300	200	200
NE	Spec	Mnth 2	Decrease	USD	215	195	193	175
NE	Hedge/Member	Mnth 2	Decrease	USD	195	195	175	175
NE	Spec	Mnths 8-14	Decrease	USD	138	125	121	110
NE	Hedge/Member	Mnths 8-14	Decrease	USD	125	125	110	110
NE	Spec	Mnths 15+	Decrease	USD	248	225	220	200
NE	Hedge/Member	Mnths 15+	Decrease	USD	225	225	200	200
ANR, OKLA. INDEX (IQ)								
IQ	Spec	Mnths 1-2	Decrease	USD	2,090	1,900	1,650	1,500
IQ	Hedge/Member	Mnths 1-2	Decrease	USD	1,900	1,900	1,500	1,500
CHICAGO INDEX FUT (IS)								
IS	Spec	Mnths 1-2	Decrease	USD	5,500	5,000	4,400	4,000
IS	Hedge/Member	Mnths 1-2	Decrease	USD	5,000	5,000	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								
CHICAGO SWING FUTURE (SS)								
SS	Spec		Decrease	USD	5,500	5,000	4,400	4,000
SS	Hedge/Member		Decrease	USD	5,000	5,000	4,000	4,000
CIG BASIS (CI)								
CI	Spec	Mnth 1	Decrease	USD	413	375	303	275
CI	Hedge/Member	Mnth 1	Decrease	USD	375	375	275	275
CI	Spec	Mnths 2-6	Decrease	USD	149	135	110	100
CI	Hedge/Member	Mnths 2-6	Decrease	USD	135	135	100	100
CI	Spec	Mnths 7-12	Decrease	USD	116	105	94	85
CI	Hedge/Member	Mnths 7-12	Decrease	USD	105	105	85	85
CIG ROCKIES NG INDEX FUT (Z8)								
Z8	Spec	Mnths 1-2	Decrease	USD	2,750	2,500	1,650	1,500
Z8	Hedge/Member	Mnths 1-2	Decrease	USD	2,500	2,500	1,500	1,500
CIG ROCKIES NG SWING (U8)								
U8	Spec		Decrease	USD	2,750	2,500	1,650	1,500
U8	Hedge/Member		Decrease	USD	2,500	2,500	1,500	1,500
COLUMB GULF MAINLINE NG BASIS (5Z)								
5Z	Spec	Mnth 1	Decrease	USD	44	40	39	35
5Z	Hedge/Member	Mnth 1	Decrease	USD	40	40	35	35
5Z	Spec	Mnths 2-5	Decrease	USD	39	35	33	30
5Z	Hedge/Member	Mnths 2-5	Decrease	USD	35	35	30	30
5Z	Spec	Mnths 6-12	Decrease	USD	33	30	28	25
5Z	Hedge/Member	Mnths 6-12	Decrease	USD	30	30	25	25
5Z	Spec	Mnths 25+	Decrease	USD	28	25	22	20
5Z	Hedge/Member	Mnths 25+	Decrease	USD	25	25	20	20
COLUMBIA GULF ONSHORE BASIS FUT (GL)								
GL	Spec	Mnth 1	Decrease	USD	110	100	99	90
GL	Hedge/Member	Mnth 1	Decrease	USD	100	100	90	90
GL	Spec	Mnth 2	Decrease	USD	105	95	94	85
GL	Hedge/Member	Mnth 2	Decrease	USD	95	95	85	85
GL	Spec	Mnths 3-7	Decrease	USD	99	90	88	80
GL	Hedge/Member	Mnths 3-7	Decrease	USD	90	90	80	80
GL	Spec	Mnths 8-19	Decrease	USD	72	65	66	60
GL	Hedge/Member	Mnths 8-19	Decrease	USD	65	65	60	60
GL	Spec	Mnths 19+	Decrease	USD	66	60	55	50
GL	Hedge/Member	Mnths 19+	Decrease	USD	60	60	50	50

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
DEMARC INDEX FUTURE (DI)								
DI	Spec	Mnths 1-2	Decrease	USD	3,850	3,500	2,750	2,500
DI	Hedge/Member	Mnths 1-2	Decrease	USD	3,500	3,500	2,500	2,500
DOMINION TRAN INC - APP INDEX (IH)								
IH	Spec	Mnths 1-2	Decrease	USD	4,400	4,000	2,200	2,000
IH	Hedge/Member	Mnths 1-2	Decrease	USD	4,000	4,000	2,000	2,000
DOMINION-APPALACHIA SWING FUT (SH)								
SH	Spec		Decrease	USD	4,400	4,000	2,200	2,000
SH	Hedge/Member		Decrease	USD	4,000	4,000	2,000	2,000
ENABLE NAT GAS BASIS FUT (PW)								
PW	Spec	Mnth 1	Decrease	USD	176	160	132	120
PW	Hedge/Member	Mnth 1	Decrease	USD	160	160	120	120
PW	Spec	Mnths 2-2	Decrease	USD	132	120	99	90
PW	Hedge/Member	Mnths 2-2	Decrease	USD	120	120	90	90
PW	Spec	Mnths 3-6	Decrease	USD	121	110	94	85
PW	Hedge/Member	Mnths 3-6	Decrease	USD	110	110	85	85
PW	Spec	Mnths 7-19	Decrease	USD	154	140	132	120
PW	Hedge/Member	Mnths 7-19	Decrease	USD	140	140	120	120
PW	Spec	Mnths 20+	Increase	USD	165	150	176	160
PW	Hedge/Member	Mnths 20+	Increase	USD	150	150	160	160
FL GAS ZONE 1 NAT GAS SWING FUT (Y9)								
Y9	Spec		Decrease	USD	3,080	2,800	2,200	2,000
Y9	Hedge/Member		Decrease	USD	2,800	2,800	2,000	2,000
FLORIDA GAS ZONE3 BASIS FUT (FP)								
FP	Spec	Mnth 1	Decrease	USD	143	130	77	70
FP	Hedge/Member	Mnth 1	Decrease	USD	130	130	70	70
FP	Spec	Mnth 2	Decrease	USD	83	75	66	60
FP	Hedge/Member	Mnth 2	Decrease	USD	75	75	60	60
FP	Spec	Mnths 3-6	Decrease	USD	77	70	55	50
FP	Hedge/Member	Mnths 3-6	Decrease	USD	70	70	50	50
FP	Spec	Mnths 7-12	Decrease	USD	83	75	77	70
FP	Hedge/Member	Mnths 7-12	Decrease	USD	75	75	70	70
FP	Spec	Mnths 13+	Decrease	USD	83	75	77	70
FP	Hedge/Member	Mnths 13+	Decrease	USD	75	75	70	70

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HENRY HUB BASIS FUT (HB)								
HB	Spec	Mnth 1	Decrease	USD	17	15	14	13
HB	Hedge/Member	Mnth 1	Decrease	USD	15	15	13	13
HB	Spec	Mnth 2	Decrease	USD	14	13	12	11
HB	Hedge/Member	Mnth 2	Decrease	USD	13	13	11	11
HB	Spec	Mnths 3-7	Decrease	USD	13	12	11	10
HB	Hedge/Member	Mnths 3-7	Decrease	USD	12	12	10	10
HB	Spec	Mnths 8-14	Decrease	USD	11	10	9	8
HB	Hedge/Member	Mnths 8-14	Decrease	USD	10	10	8	8
HB	Spec	Mnths 15+	Decrease	USD	11	10	9	8
HB	Hedge/Member	Mnths 15+	Decrease	USD	10	10	8	8
HENRY HUB INDEX FUT (IN)								
IN	Spec	Mnth 1-2	Decrease	USD	1,100	1,000	880	800
IN	Hedge/Member	Mnth 1-2	Decrease	USD	1,000	1,000	800	800
HENRY HUB SWING FUTURE (SN)								
SN	Spec	All Months	Decrease	USD	1,100	1,000	880	800
SN	Hedge/Member	All Months	Decrease	USD	1,000	1,000	800	800
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnth 1	Decrease	USD	165	150	132	120
NH	Hedge/Member	Mnth 1	Decrease	USD	150	150	120	120
NH	Spec	Mnth 2	Decrease	USD	110	100	88	80
NH	Hedge/Member	Mnth 2	Decrease	USD	100	100	80	80
NH	Spec	Mnths 3-6	Decrease	USD	99	90	77	70
NH	Hedge/Member	Mnths 3-6	Decrease	USD	90	90	70	70
NH	Spec	Mnths 7-12	Decrease	USD	116	105	72	65
NH	Hedge/Member	Mnths 7-12	Decrease	USD	105	105	65	65
NH	Spec	Mnths 13+	Decrease	USD	143	130	132	120
NH	Hedge/Member	Mnths 13+	Decrease	USD	130	130	120	120
KERN RIVER OPAL PLANT SWING FUT (SR)								
SR	Spec		Decrease	USD	2,200	2,000	1,650	1,500
SR	Hedge/Member		Decrease	USD	2,000	2,000	1,500	1,500
MICHCON NG INDEX FUT (Y8)								
Y8	Spec	Mnths 1-2	Decrease	USD	4,950	4,500	2,970	2,700
Y8	Hedge/Member	Mnths 1-2	Decrease	USD	4,500	4,500	2,700	2,700
MICHCON NG SWING (T8)								
T8	Spec		Decrease	USD	4,950	4,500	2,970	2,700
T8	Hedge/Member		Decrease	USD	4,500	4,500	2,700	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICHIGAN BASIS (NF)								
NF	Spec	Mnth 1	Decrease	USD	440	400	330	300
NF	Hedge/Member	Mnth 1	Decrease	USD	400	400	300	300
NF	Spec	Mnth 2	Decrease	USD	385	350	275	250
NF	Hedge/Member	Mnth 2	Decrease	USD	350	350	250	250
NF	Spec	Mnths 3-4	Decrease	USD	281	255	253	230
NF	Hedge/Member	Mnths 3-4	Decrease	USD	255	255	230	230
NF	Spec	Mnths 5-12	Decrease	USD	226	205	204	185
NF	Hedge/Member	Mnths 5-12	Decrease	USD	205	205	185	185
NF	Spec	Mnths 13+	Decrease	USD	253	230	220	200
NF	Hedge/Member	Mnths 13+	Decrease	USD	230	230	200	200
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnth 1	Decrease	USD	99	90	77	70
PD	Hedge/Member	Mnth 1	Decrease	USD	90	90	70	70
PD	Spec	Mnths 2	Decrease	USD	83	75	55	50
PD	Hedge/Member	Mnths 2	Decrease	USD	75	75	50	50
PD	Spec	Mnths 3-6	Decrease	USD	77	70	50	45
PD	Hedge/Member	Mnths 3-6	Decrease	USD	70	70	45	45
PD	Spec	Mnths 7-12	Decrease	USD	77	70	50	45
PD	Hedge/Member	Mnths 7-12	Decrease	USD	70	70	45	45
PD	Spec	Mnths 13+	Decrease	USD	110	100	88	80
PD	Hedge/Member	Mnths 13+	Decrease	USD	100	100	80	80
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 1	Decrease	USD	220	200	154	140
NL	Hedge/Member	Mnth 1	Decrease	USD	200	200	140	140
NL	Spec	Mnth 2	Decrease	USD	176	160	143	130
NL	Hedge/Member	Mnth 2	Decrease	USD	160	160	130	130
NL	Spec	Mnths 3-6	Decrease	USD	165	150	138	125
NL	Hedge/Member	Mnths 3-6	Decrease	USD	150	150	125	125
NL	Spec	Mnths 7-12	Decrease	USD	110	100	99	90
NL	Hedge/Member	Mnths 7-12	Decrease	USD	100	100	90	90
NL	Spec	Mnths 13+	Decrease	USD	198	180	143	130
NL	Hedge/Member	Mnths 13+	Decrease	USD	180	180	130	130

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Decrease	USD	347	315	275	250
NR	Hedge/Member	Mnth 1	Decrease	USD	315	315	250	250
NR	Spec	Mnths 2-6	Decrease	USD	237	215	187	170
NR	Hedge/Member	Mnths 2-6	Decrease	USD	215	215	170	170
NR	Spec	Mnths 7-9	Decrease	USD	143	130	116	105
NR	Hedge/Member	Mnths 7-9	Decrease	USD	130	130	105	105
NR	Spec	Mnths 10-16	Decrease	USD	138	125	110	100
NR	Hedge/Member	Mnths 10-16	Decrease	USD	125	125	100	100
PANHANDLE BASIS FUT (PH)								
PH	Spec	Mnth 1	Decrease	USD	176	160	143	130
PH	Hedge/Member	Mnth 1	Decrease	USD	160	160	130	130
PH	Spec	Mnth 2	Decrease	USD	132	120	121	110
PH	Hedge/Member	Mnth 2	Decrease	USD	120	120	110	110
PH	Spec	Summer 2015	Decrease	USD	132	120	116	105
PH	Hedge/Member	Summer 2015	Decrease	USD	120	120	105	105
PH	Spec	Winter 2015/2016	Decrease	USD	127	115	116	105
PH	Hedge/Member	Winter 2015/2016	Decrease	USD	115	115	105	105
PH	Spec	APR 2016+	Decrease	USD	176	160	143	130
PH	Hedge/Member	APR 2016+	Decrease	USD	160	160	130	130
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 1	Decrease	USD	330	300	220	200
PM	Hedge/Member	Mths 1	Decrease	USD	300	300	200	200
PM	Spec	Mths 2	Decrease	USD	121	110	99	90
PM	Hedge/Member	Mths 2	Decrease	USD	110	110	90	90
PM	Spec	Mths 3-6	Decrease	USD	110	100	94	85
PM	Hedge/Member	Mths 3-6	Decrease	USD	100	100	85	85
PM	Spec	Mths 7-12	Decrease	USD	105	95	88	80
PM	Hedge/Member	Mths 7-12	Decrease	USD	95	95	80	80
ROCKIES KERN OPAL - NW INDEX (IR)								
IR	Spec	Mnths 1-2	Decrease	USD	2,200	2,000	1,650	1,500
IR	Hedge/Member	Mnths 1-2	Decrease	USD	2,000	2,000	1,500	1,500
SOCAL BASIS FUT (NS)								
NS	Spec	Mnth 1	Decrease	USD	363	330	253	230
NS	Hedge/Member	Mnth 1	Decrease	USD	330	330	230	230

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

SONAT BASIS FUT (SZ)

SZ	Spec	Mnth 1	Decrease	USD	44	40	39	35
SZ	Hedge/Member	Mnth 1	Decrease	USD	40	40	35	35
SZ	Spec	Mnth 2	Decrease	USD	44	40	39	35
SZ	Hedge/Member	Mnth 2	Decrease	USD	40	40	35	35
SZ	Spec	Mnths 3-7	Decrease	USD	44	40	39	35
SZ	Hedge/Member	Mnths 3-7	Decrease	USD	40	40	35	35
SZ	Spec	Mnths 8-14	Decrease	USD	44	40	39	35
SZ	Hedge/Member	Mnths 8-14	Decrease	USD	40	40	35	35
SZ	Spec	Mnths 15+	Decrease	USD	44	40	39	35
SZ	Hedge/Member	Mnths 15+	Decrease	USD	40	40	35	35

SUMAS BASIS FUT (NK)

NK	Spec	Mnth 1	Decrease	USD	407	370	363	330
NK	Hedge/Member	Mnth 1	Decrease	USD	370	370	330	330

TCO BASIS FUT (TC)

TC	Spec	Mnth 1	Decrease	USD	160	145	132	120
TC	Hedge/Member	Mnth 1	Decrease	USD	145	145	120	120
TC	Spec	Mnth 2-2	Decrease	USD	154	140	127	115
TC	Hedge/Member	Mnth 2-2	Decrease	USD	140	140	115	115
TC	Spec	Mnths 3-7	Decrease	USD	149	135	121	110
TC	Hedge/Member	Mnths 3-7	Decrease	USD	135	135	110	110
TC	Spec	Mnths 8-19	Decrease	USD	182	165	149	135
TC	Hedge/Member	Mnths 8-19	Decrease	USD	165	165	135	135
TC	Spec	Mnths 20+	Decrease	USD	275	250	220	200
TC	Hedge/Member	Mnths 20+	Decrease	USD	250	250	200	200

TCO NG INDEX FUT (Q1)

Q1	Spec	Mnth 1-2	Decrease	USD	1,650	1,500	1,100	1,000
Q1	Hedge/Member	Mnth 1-2	Decrease	USD	1,500	1,500	1,000	1,000

TENN 800 LEG NAT GAS INDEX FUT (L4)

L4	Spec	Mnths 1-2	Decrease	USD	1,650	1,500	1,100	1,000
L4	Hedge/Member	Mnths 1-2	Decrease	USD	1,500	1,500	1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TENNESSEE 500 LEG BASIS FUT (NM)								
NM	Spec	Mnth 1	Decrease	USD	127	115	72	65
NM	Hedge/Member	Mnth 1	Decrease	USD	115	115	65	65
NM	Spec	Mths 2-2	Decrease	USD	121	110	66	60
NM	Hedge/Member	Mths 2-2	Decrease	USD	110	110	60	60
NM	Spec	Mths 3-7	Decrease	USD	121	110	66	60
NM	Hedge/Member	Mths 3-7	Decrease	USD	110	110	60	60
NM	Spec	Mths 8-19	Decrease	USD	121	110	66	60
NM	Hedge/Member	Mths 8-19	Decrease	USD	110	110	60	60
NM	Spec	Mths 20+	Decrease	USD	121	110	66	60
NM	Hedge/Member	Mths 20+	Decrease	USD	110	110	60	60
TEXAS EASTERN ZONE M-3 BASIS FUT (NX)								
NX	Spec	Mth 1	Decrease	USD	1,320	1,200	880	800
NX	Hedge/Member	Mth 1	Decrease	USD	1,200	1,200	800	800
NX	Spec	Mth 2	Decrease	USD	880	800	660	600
NX	Hedge/Member	Mth 2	Decrease	USD	800	800	600	600
NX	Spec	Winter 2015/2016	Decrease	USD	1,540	1,400	880	800
NX	Hedge/Member	Winter 2015/2016	Decrease	USD	1,400	1,400	800	800
NX	Spec	Winter 2016/2017	Decrease	USD	1,100	1,000	550	500
NX	Hedge/Member	Winter 2016/2017	Decrease	USD	1,000	1,000	500	500
NX	Spec	APR 2017+	Decrease	USD	1,320	1,200	770	700
NX	Hedge/Member	APR 2017+	Decrease	USD	1,200	1,200	700	700
TEXAS EASTERN ZONE M-3 SWING FUT (SX)								
SX	Spec		Decrease	USD	17,600	16,000	15,400	14,000
SX	Hedge/Member		Decrease	USD	16,000	16,000	14,000	14,000
TEXAS GAS ZONE1 NG BASIS (9F)								
9F	Spec	Mnth 1	Decrease	USD	198	180	176	160
9F	Hedge/Member	Mnth 1	Decrease	USD	180	180	160	160
9F	Spec	Mnth 2-2	Decrease	USD	187	170	165	150
9F	Hedge/Member	Mnth 2-2	Decrease	USD	170	170	150	150
9F	Spec	Mnths 3-7	Decrease	USD	182	165	160	145
9F	Hedge/Member	Mnths 3-7	Decrease	USD	165	165	145	145
9F	Spec	Mnths 8-19	Decrease	USD	171	155	154	140
9F	Hedge/Member	Mnths 8-19	Decrease	USD	155	155	140	140
9F	Spec	Mnths 20+	Decrease	USD	347	315	220	200
9F	Hedge/Member	Mnths 20+	Decrease	USD	315	315	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Outright Rates

TRANSCO ZONE 3 BASIS (CZ)

CZ	Spec	Mth 1	Decrease	USD	110	100	99	90
CZ	Hedge/Member	Mth 1	Decrease	USD	100	100	90	90
CZ	Spec	Mth 2	Decrease	USD	88	80	72	65
CZ	Hedge/Member	Mth 2	Decrease	USD	80	80	65	65
CZ	Spec	Mths 3 - 6	Decrease	USD	66	60	44	40
CZ	Hedge/Member	Mths 3 - 6	Decrease	USD	60	60	40	40
CZ	Spec	Mths 7 - 12	Decrease	USD	66	60	39	35
CZ	Hedge/Member	Mths 7 - 12	Decrease	USD	60	60	35	35
CZ	Spec	Mths 13+	Decrease	USD	66	60	39	35
CZ	Hedge/Member	Mths 13+	Decrease	USD	60	60	35	35

TRANSCO ZONE 6 BASIS FUT (NZ)

NZ	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,320	1,200
NZ	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,200	1,200
NZ	Spec	Mnth 2	Decrease	USD	1,650	1,500	1,100	1,000
NZ	Hedge/Member	Mnth 2	Decrease	USD	1,500	1,500	1,000	1,000
NZ	Spec	Summer 2015	Decrease	USD	1,188	1,080	880	800
NZ	Hedge/Member	Summer 2015	Decrease	USD	1,080	1,080	800	800
NZ	Spec	Summer 2016	Decrease	USD	1,100	1,000	880	800
NZ	Hedge/Member	Summer 2016	Decrease	USD	1,000	1,000	800	800
NZ	Spec	Winter 2016/2017	Decrease	USD	1,760	1,600	110	100
NZ	Hedge/Member	Winter 2016/2017	Decrease	USD	1,600	1,600	100	100
NZ	Spec	APR 2017+	Decrease	USD	1,980	1,800	1,782	1,620
NZ	Hedge/Member	APR 2017+	Decrease	USD	1,800	1,800	1,620	1,620

TRANSCO ZONE 6 GAS INDEX FUT (TZI)

TZI	Spec	Mnths 1-2	Decrease	USD	33,000	30,000	26,400	24,000
TZI	Hedge/Member	Mnths 1-2	Decrease	USD	30,000	30,000	24,000	24,000

TRANSCO ZONE 6 GAS SWING FUT (TZS)

TZS	Spec	All Months	Decrease	USD	33,000	30,000	26,400	24,000
TZS	Hedge/Member	All Months	Decrease	USD	30,000	30,000	24,000	24,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TRANSCO ZONE 6 NON NY BASIS FUT (TZ6)								
TZ6	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,320	1,200
TZ6	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,200	1,200
TZ6	Spec	Mnth 2	Decrease	USD	1,320	1,200	990	900
TZ6	Hedge/Member	Mnth 2	Decrease	USD	1,200	1,200	900	900
TZ6	Spec	Summer 2015	Decrease	USD	1,100	1,000	935	850
TZ6	Hedge/Member	Summer 2015	Decrease	USD	1,000	1,000	850	850
TZ6	Spec	Winter 2015/2016	Decrease	USD	1,815	1,650	1,100	1,000
TZ6	Hedge/Member	Winter 2015/2016	Decrease	USD	1,650	1,650	1,000	1,000
TZ6	Spec	Summer 2016	Decrease	USD	1,210	1,100	1,089	990
TZ6	Hedge/Member	Summer 2016	Decrease	USD	1,100	1,100	990	990
TZ6	Spec	Winter 2016/2017	Decrease	USD	1,815	1,650	1,634	1,485
TZ6	Hedge/Member	Winter 2016/2017	Decrease	USD	1,650	1,650	1,485	1,485
TRANSCO ZONE4 BASIS FUT (TR)								
TR	Spec	Mnth 1	Decrease	USD	55	50	39	35
TR	Hedge/Member	Mnth 1	Decrease	USD	50	50	35	35
TR	Spec	Mnth 2	Decrease	USD	50	45	33	30
TR	Hedge/Member	Mnth 2	Decrease	USD	45	45	30	30
TR	Spec	Mnths 3-7	Decrease	USD	44	40	28	25
TR	Hedge/Member	Mnths 3-7	Decrease	USD	40	40	25	25
TR	Spec	Mnths 8-14	Decrease	USD	33	30	17	15
TR	Hedge/Member	Mnths 8-14	Decrease	USD	30	30	15	15
TR	Spec	Mnths 15+	Decrease	USD	55	50	39	35
TR	Hedge/Member	Mnths 15+	Decrease	USD	50	50	35	35
VENTURA BASIS FUT (PF)								
PF	Spec	Mnth 1	Decrease	USD	968	880	550	500
PF	Hedge/Member	Mnth 1	Decrease	USD	880	880	500	500
PF	Spec	Mnths 2-5	Decrease	USD	578	525	462	420
PF	Hedge/Member	Mnths 2-5	Decrease	USD	525	525	420	420
PF	Spec	Mnths 6+	Decrease	USD	193	175	165	150
PF	Hedge/Member	Mnths 6+	Decrease	USD	175	175	150	150
VENTURA INDEX FUTURE (VI)								
VI	Spec	Mnth 1-2	Decrease	USD	5,060	4,600	3,036	2,760
VI	Hedge/Member	Mnth 1-2	Decrease	USD	4,600	4,600	2,760	2,760

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
VENTURA SWING FUT (VS)								
VS	Spec		Decrease	USD	5,060	4,600	3,036	2,760
VS	Hedge/Member		Decrease	USD	4,600	4,600	2,760	2,760
WAHA TEXAS BASIS FUT (NW)								
NW	Spec	Mnth 1	Decrease	USD	330	300	220	200
NW	Hedge/Member	Mnth 1	Decrease	USD	300	300	200	200
NW	Spec	Mnth 2	Decrease	USD	88	80	77	70
NW	Hedge/Member	Mnth 2	Decrease	USD	80	80	70	70
NW	Spec	Mnths 3-6	Decrease	USD	83	75	72	65
NW	Hedge/Member	Mnths 3-6	Decrease	USD	75	75	65	65
NW	Spec	Mnths 7-12	Decrease	USD	83	75	66	60
NW	Hedge/Member	Mnths 7-12	Decrease	USD	75	75	60	60
NW	Spec	Mnths 13+	Decrease	USD	110	100	99	90
NW	Hedge/Member	Mnths 13+	Decrease	USD	100	100	90	90

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

BUTANE 5 DECIMAL (D0)

D0	Spec	Mnths 2-6	Increase	USD	2,475	2,250	2,613	2,375
D0	Hedge/Member	Mnths 2-6	Increase	USD	2,250	2,250	2,375	2,375
D0	Spec	Mnths 7+	Increase	USD	2,420	2,200	2,585	2,350
D0	Hedge/Member	Mnths 7+	Increase	USD	2,200	2,200	2,350	2,350

MT. BELVIEU MINI LDH PROPANE FUT (81)

81	Spec	Mth 1	Increase	USD	210	191	237	215
81	Hedge/Member	Mth 1	Increase	USD	191	191	215	215
81	Spec	Mth 2-3	Increase	USD	210	191	231	210
81	Hedge/Member	Mth 2-3	Increase	USD	191	191	210	210
81	Spec	Mth 4+	Increase	USD	209	190	220	200
81	Hedge/Member	Mth 4+	Increase	USD	190	190	200	200

PROPANE 5 DECIMAL (B0)

B0	Spec	Mth 1	Increase	USD	2,101	1,910	2,365	2,150
B0	Hedge/Member	Mth 1	Increase	USD	1,910	1,910	2,150	2,150
B0	Spec	Mth 2-3	Increase	USD	2,096	1,905	2,310	2,100
B0	Hedge/Member	Mth 2-3	Increase	USD	1,905	1,905	2,100	2,100
B0	Spec	Mth 4+	Increase	USD	2,090	1,900	2,200	2,000
B0	Hedge/Member	Mth 4+	Increase	USD	1,900	1,900	2,000	2,000

PROPANE NON LDH MT BELVIEU (1R)

1R	Spec	Mth 1	Increase	USD	1,925	1,750	2,090	1,900
1R	Hedge/Member	Mth 1	Increase	USD	1,750	1,750	1,900	1,900
1R	Spec	Mth 2+	Increase	USD	1,925	1,750	2,090	1,900
1R	Hedge/Member	Mth 2+	Increase	USD	1,750	1,750	1,900	1,900

PETROLEUM CRACKS AND SPREADS - Outright Rates

JET CIF NWE VS ICE (JC)

JC	Spec	Mnth 1	Increase	USD	6,710	6,100	7,920	7,200
JC	Hedge/Member	Mnth 1	Increase	USD	6,100	6,100	7,200	7,200

MIN JETKERO CRGOS CIF NWE VS GASOIL (MJC)

MJC	Spec	Mnth 1	Increase	USD	671	610	792	720
MJC	Hedge/Member	Mnth 1	Increase	USD	610	610	720	720

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Intra Spreads

AGRICULTURE - Intra Spreads

Soybean Oil (CBOT) (07) - Contracts 1-8 vs 9-Rest (SOYBEAN OIL FUTURES)

07	Spec		Increase	USD	330	300	358	325
07	Hedge/Member		Increase	USD	300	300	325	325

Soymeal (CBOT) (06) - Months 1-8 vs 9-Rest (SOYBEAN MEAL FUTURES)

06	Spec		Increase	USD	550	500	660	600
06	Hedge/Member		Increase	USD	500	500	600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL - Intra Spreads								
Calendar-Spread-DC-001-DC-002 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	495	450	715	650
DC	Hedge/Member		Increase	USD	450	450	650	650
Calendar-Spread-DC-001-DC-002 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	50	45	72	65
DBL	Hedge/Member		Increase	USD	45	45	65	65
Calendar-Spread-DC-001-DC-003 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	583	530	803	730
DC	Hedge/Member		Increase	USD	530	530	730	730
Calendar-Spread-DC-001-DC-003 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	58	53	80	73
DBL	Hedge/Member		Increase	USD	53	53	73	73
Calendar-Spread-DC-001-DC-004 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	374	340	594	540
DC	Hedge/Member		Increase	USD	340	340	540	540
Calendar-Spread-DC-001-DC-004 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	37	34	59	54
DBL	Hedge/Member		Increase	USD	34	34	54	54
Calendar-Spread-DC-001-DC-005 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	418	380	638	580
DC	Hedge/Member		Increase	USD	380	380	580	580
Calendar-Spread-DC-001-DC-005 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	42	38	64	58
DBL	Hedge/Member		Increase	USD	38	38	58	58
Calendar-Spread-DC-001-DC-007 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	220	200	440	400
DC	Hedge/Member		Increase	USD	200	200	400	400
Calendar-Spread-DC-001-DC-007 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	22	20	44	40
DBL	Hedge/Member		Increase	USD	20	20	40	40
Calendar-Spread-DC-001-DC-008 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	253	230	473	430
DC	Hedge/Member		Increase	USD	230	230	430	430

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Calendar-Spread-DC-001-DC-008 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	25	23	47	43
DBL	Hedge/Member		Increase	USD	23	23	43	43
Calendar-Spread-DC-001-DC-009 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	363	330	583	530
DC	Hedge/Member		Increase	USD	330	330	530	530
Calendar-Spread-DC-001-DC-009 (MINI DUBAI CRUDE OIL (PLATTS) FUT)								
DBL	Spec		Increase	USD	36	33	58	53
DBL	Hedge/Member		Increase	USD	33	33	53	53
Calendar-Spread-DOO-001-DOO-002 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	495	450	715	650
DOO	Hedge/Member		Increase	USD	450	450	650	650
Calendar-Spread-DOO-001-DOO-003 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	583	530	803	730
DOO	Hedge/Member		Increase	USD	530	530	730	730
Calendar-Spread-DOO-001-DOO-004 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	374	340	594	540
DOO	Hedge/Member		Increase	USD	340	340	540	540
Calendar-Spread-DOO-001-DOO-005 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	418	380	638	580
DOO	Hedge/Member		Increase	USD	380	380	580	580
Calendar-Spread-DOO-001-DOO-007 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	220	200	440	400
DOO	Hedge/Member		Increase	USD	200	200	400	400
Calendar-Spread-DOO-001-DOO-008 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	253	230	473	430
DOO	Hedge/Member		Increase	USD	230	230	430	430
Calendar-Spread-DOO-001-DOO-009 (DME OMAN CRUDE FUT)								
DOO	Spec		Increase	USD	363	330	583	530
DOO	Hedge/Member		Increase	USD	330	330	530	530
Calendar-Spread-OQ-001-OQ-002 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	495	450	715	650
OQ	Hedge/Member		Increase	USD	450	450	650	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Calendar-Spread-OQ-001-OQ-002 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	50	45	72	65
ZG	Hedge/Member		Increase	USD	45	45	65	65
Calendar-Spread-OQ-001-OQ-002 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	495	450	715	650
OQB	Hedge/Member		Increase	USD	450	450	650	650
Calendar-Spread-OQ-001-OQ-002 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	495	450	715	650
OQ1	Hedge/Member		Increase	USD	450	450	650	650
Calendar-Spread-OQ-001-OQ-003 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	583	530	803	730
OQ	Hedge/Member		Increase	USD	530	530	730	730
Calendar-Spread-OQ-001-OQ-003 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	58	53	80	73
ZG	Hedge/Member		Increase	USD	53	53	73	73
Calendar-Spread-OQ-001-OQ-003 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	583	530	803	730
OQB	Hedge/Member		Increase	USD	530	530	730	730
Calendar-Spread-OQ-001-OQ-003 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	583	530	803	730
OQ1	Hedge/Member		Increase	USD	530	530	730	730
Calendar-Spread-OQ-001-OQ-004 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	374	340	594	540
OQ	Hedge/Member		Increase	USD	340	340	540	540
Calendar-Spread-OQ-001-OQ-004 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	37	34	59	54
ZG	Hedge/Member		Increase	USD	34	34	54	54
Calendar-Spread-OQ-001-OQ-004 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	374	340	594	540
OQB	Hedge/Member		Increase	USD	340	340	540	540
Calendar-Spread-OQ-001-OQ-004 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	374	340	594	540
OQ1	Hedge/Member		Increase	USD	340	340	540	540

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Calendar-Spread-OQ-001-OQ-005 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	418	380	638	580
OQ	Hedge/Member		Increase	USD	380	380	580	580
Calendar-Spread-OQ-001-OQ-005 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	42	38	64	58
ZG	Hedge/Member		Increase	USD	38	38	58	58
Calendar-Spread-OQ-001-OQ-005 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	418	380	638	580
OQB	Hedge/Member		Increase	USD	380	380	580	580
Calendar-Spread-OQ-001-OQ-005 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	418	380	638	580
OQ1	Hedge/Member		Increase	USD	380	380	580	580
Calendar-Spread-OQ-001-OQ-007 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	220	200	440	400
OQ	Hedge/Member		Increase	USD	200	200	400	400
Calendar-Spread-OQ-001-OQ-007 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	22	20	44	40
ZG	Hedge/Member		Increase	USD	20	20	40	40
Calendar-Spread-OQ-001-OQ-007 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	220	200	440	400
OQB	Hedge/Member		Increase	USD	200	200	400	400
Calendar-Spread-OQ-001-OQ-007 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	220	200	440	400
OQ1	Hedge/Member		Increase	USD	200	200	400	400
Calendar-Spread-OQ-001-OQ-008 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	253	230	473	430
OQ	Hedge/Member		Increase	USD	230	230	430	430
Calendar-Spread-OQ-001-OQ-008 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	25	23	47	43
ZG	Hedge/Member		Increase	USD	23	23	43	43
Calendar-Spread-OQ-001-OQ-008 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	253	230	473	430
OQB	Hedge/Member		Increase	USD	230	230	430	430

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Calendar-Spread-OQ-001-OQ-008 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	253	230	473	430
OQ1	Hedge/Member		Increase	USD	230	230	430	430
Calendar-Spread-OQ-001-OQ-009 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	363	330	583	530
OQ	Hedge/Member		Increase	USD	330	330	530	530
Calendar-Spread-OQ-001-OQ-009 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	36	33	58	53
ZG	Hedge/Member		Increase	USD	33	33	53	53
Calendar-Spread-OQ-001-OQ-009 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	363	330	583	530
OQB	Hedge/Member		Increase	USD	330	330	530	530
Calendar-Spread-OQ-001-OQ-009 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	363	330	583	530
OQ1	Hedge/Member		Increase	USD	330	330	530	530
Oman Crude Oil (NY-OQ) - 1 Month Butterfly Months 1 - 3 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	1,320	1,200	1,540	1,400
OQ	Hedge/Member		Increase	USD	1,200	1,200	1,400	1,400
Oman Crude Oil (NY-OQ) - 1 Month Butterfly Months 1 - 3 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	132	120	154	140
ZG	Hedge/Member		Increase	USD	120	120	140	140
Oman Crude Oil (NY-OQ) - 1 Month Butterfly Months 1 - 3 (OMAN CRUDE OIL TAM FUT)								
OQB	Spec		Increase	USD	1,320	1,200	1,540	1,400
OQB	Hedge/Member		Increase	USD	1,200	1,200	1,400	1,400
Oman Crude Oil (NY-OQ) - 1 Month Butterfly Months 1 - 3 (OMAN CRUDE OIL TAM MARKER SYN)								
OQ1	Spec		Increase	USD	1,320	1,200	1,540	1,400
OQ1	Hedge/Member		Increase	USD	1,200	1,200	1,400	1,400
ELECTRICITY - Intra Spreads								
NEPOOL SE MASS 5 MW DAY AHEAD PEAK - All Months (NEPOOL SE MASS 5MW D AH PK)								
P4	Spec		Increase	USD	275	250	330	300
P4	Hedge/Member		Increase	USD	250	250	300	300
NYISO Rest of the State Capacity Calendar Month Swap Futures - All Months (NYISO REST OF STATE CAPACITY CAL MO)								
NRS	Spec		Increase	USD	2,750	2,500	4,180	3,800
NRS	Hedge/Member		Increase	USD	2,500	2,500	3,800	3,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
All Months (ALUMINUM FUTURES)								
ALI	Spec		Decrease	USD	935	850	660	600
ALI	Hedge/Member		Decrease	USD	850	850	600	600
All Months (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,760	1,600	2,310	2,100
PIO	Hedge/Member		Increase	USD	1,600	1,600	2,100	2,100
Aluminum MW US Transaction Premium Platts (25MT) Swap Futures - All Months (ALUMINUM MW TRANS PREM PLATTS SWAPS)								
AUP	Spec		Increase	USD	1,265	1,150	1,760	1,600
AUP	Hedge/Member		Increase	USD	1,150	1,150	1,600	1,600
COMEX Gold - Mths 13-16 vs. Mths 13-16 (10 TROY OZ GOLD FUTURES)								
MGC	Spec		Decrease	USD	44	40	33	30
MGC	Hedge/Member		Decrease	USD	40	40	30	30
COMEX Gold - Mths 13-16 vs. Mths 13-16 (COMEX 100 GOLD FUTURES)								
GC	Spec		Decrease	USD	440	400	330	300
GC	Hedge/Member		Decrease	USD	400	400	300	300
COMEX Gold - Mths 13-16 vs. Mths 13-16 (COMEX 100 GOLD TRADE AT SETTLEMENT)								
GCT	Spec		Decrease	USD	440	400	330	300
GCT	Hedge/Member		Decrease	USD	400	400	300	300
COMEX Gold - Mths 13-16 vs. Mths 13-16 (COMEX MINY GOLD FUTURES)								
QO	Spec		Decrease	USD	220	200	165	150
QO	Hedge/Member		Decrease	USD	200	200	150	150
COMEX Gold - Mths 13-16 vs. Mths 17+ (10 TROY OZ GOLD FUTURES)								
MGC	Spec		Decrease	USD	99	90	88	80
MGC	Hedge/Member		Decrease	USD	90	90	80	80
COMEX Gold - Mths 13-16 vs. Mths 17+ (COMEX 100 GOLD FUTURES)								
GC	Spec		Decrease	USD	990	900	880	800
GC	Hedge/Member		Decrease	USD	900	900	800	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
COMEX Gold - Mths 13-16 vs. Mths 17+ (COMEX 100 GOLD TRADE AT SETTLEMENT)								
GCT	Spec		Decrease	USD	990	900	880	800
GCT	Hedge/Member		Decrease	USD	900	900	800	800
COMEX Gold - Mths 13-16 vs. Mths 17+ (COMEX MINY GOLD FUTURES)								
QO	Spec		Decrease	USD	495	450	440	400
QO	Hedge/Member		Decrease	USD	450	450	400	400
COMEX Gold - Mths 7-12 vs. Mths 13-16 (10 TROY OZ GOLD FUTURES)								
MGC	Spec		Decrease	USD	44	40	33	30
MGC	Hedge/Member		Decrease	USD	40	40	30	30
COMEX Gold - Mths 7-12 vs. Mths 13-16 (COMEX 100 GOLD FUTURES)								
GC	Spec		Decrease	USD	440	400	330	300
GC	Hedge/Member		Decrease	USD	400	400	300	300
COMEX Gold - Mths 7-12 vs. Mths 13-16 (COMEX 100 GOLD TRADE AT SETTLEMENT)								
GCT	Spec		Decrease	USD	440	400	330	300
GCT	Hedge/Member		Decrease	USD	400	400	300	300
COMEX Gold - Mths 7-12 vs. Mths 13-16 (COMEX MINY GOLD FUTURES)								
QO	Spec		Decrease	USD	220	200	165	150
QO	Hedge/Member		Decrease	USD	200	200	150	150
Comex Silver - Tier 1 vs Tier 2 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	33	30	28	25
SIL	Hedge/Member		Decrease	USD	30	30	25	25
Comex Silver - Tier 1 vs Tier 2 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	165	150	138	125
SI	Hedge/Member		Decrease	USD	150	150	125	125
Comex Silver - Tier 1 vs Tier 2 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	165	150	138	125
SIT	Hedge/Member		Decrease	USD	150	150	125	125
Comex Silver - Tier 1 vs Tier 2 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	83	75	69	63
QI	Hedge/Member		Decrease	USD	75	75	63	63

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Comex Silver - Tier 1 vs Tier 2 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	33	30	28	25
6Q	Hedge/Member		Decrease	USD	30	30	25	25
Comex Silver - Tier 1 vs Tier 3 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	66	60	44	40
SIL	Hedge/Member		Decrease	USD	60	60	40	40
Comex Silver - Tier 1 vs Tier 3 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	330	300	220	200
SI	Hedge/Member		Decrease	USD	300	300	200	200
Comex Silver - Tier 1 vs Tier 3 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	330	300	220	200
SIT	Hedge/Member		Decrease	USD	300	300	200	200
Comex Silver - Tier 1 vs Tier 3 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	165	150	110	100
QI	Hedge/Member		Decrease	USD	150	150	100	100
Comex Silver - Tier 1 vs Tier 3 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	66	60	44	40
6Q	Hedge/Member		Decrease	USD	60	60	40	40
Comex Silver - Tier 1 vs Tier 4 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	154	140	132	120
SIL	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 1 vs Tier 4 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	770	700	660	600
SI	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 1 vs Tier 4 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	770	700	660	600
SIT	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 1 vs Tier 4 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	385	350	330	300
QI	Hedge/Member		Decrease	USD	350	350	300	300
Comex Silver - Tier 1 vs Tier 4 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	154	140	132	120
6Q	Hedge/Member		Decrease	USD	140	140	120	120

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Comex Silver - Tier 2 vs Tier 3 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	44	40	33	30
SIL	Hedge/Member		Decrease	USD	40	40	30	30
Comex Silver - Tier 2 vs Tier 3 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	220	200	165	150
SI	Hedge/Member		Decrease	USD	200	200	150	150
Comex Silver - Tier 2 vs Tier 3 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	220	200	165	150
SIT	Hedge/Member		Decrease	USD	200	200	150	150
Comex Silver - Tier 2 vs Tier 3 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	110	100	83	75
QI	Hedge/Member		Decrease	USD	100	100	75	75
Comex Silver - Tier 2 vs Tier 3 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	44	40	33	30
6Q	Hedge/Member		Decrease	USD	40	40	30	30
Comex Silver - Tier 2 vs Tier 4 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	154	140	132	120
SIL	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 2 vs Tier 4 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	770	700	660	600
SI	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 2 vs Tier 4 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	770	700	660	600
SIT	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 2 vs Tier 4 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	385	350	330	300
QI	Hedge/Member		Decrease	USD	350	350	300	300
Comex Silver - Tier 2 vs Tier 4 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	154	140	132	120
6Q	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 3 vs Tier 3 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	44	40	33	30
SIL	Hedge/Member		Decrease	USD	40	40	30	30

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Comex Silver - Tier 3 vs Tier 3 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	220	200	165	150
SI	Hedge/Member		Decrease	USD	200	200	150	150
Comex Silver - Tier 3 vs Tier 3 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	220	200	165	150
SIT	Hedge/Member		Decrease	USD	200	200	150	150
Comex Silver - Tier 3 vs Tier 3 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	110	100	83	75
QI	Hedge/Member		Decrease	USD	100	100	75	75
Comex Silver - Tier 3 vs Tier 3 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	44	40	33	30
6Q	Hedge/Member		Decrease	USD	40	40	30	30
Comex Silver - Tier 3 vs Tier 4 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	154	140	132	120
SIL	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 3 vs Tier 4 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	770	700	660	600
SI	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 3 vs Tier 4 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	770	700	660	600
SIT	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 3 vs Tier 4 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	385	350	330	300
QI	Hedge/Member		Decrease	USD	350	350	300	300
Comex Silver - Tier 3 vs Tier 4 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	154	140	132	120
6Q	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 4 vs Tier 4 (1000 OZ SILVER FUTURES)								
SIL	Spec		Decrease	USD	154	140	132	120
SIL	Hedge/Member		Decrease	USD	140	140	120	120
Comex Silver - Tier 4 vs Tier 4 (COMEX 5000 SILVER FUTURES)								
SI	Spec		Decrease	USD	770	700	660	600
SI	Hedge/Member		Decrease	USD	700	700	600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Comex Silver - Tier 4 vs Tier 4 (COMEX 5000 SILVER TRADE AT SETTLE)								
SIT	Spec		Decrease	USD	770	700	660	600
SIT	Hedge/Member		Decrease	USD	700	700	600	600
Comex Silver - Tier 4 vs Tier 4 (COMEX MINY SILVER FUTURES)								
QI	Spec		Decrease	USD	385	350	330	300
QI	Hedge/Member		Decrease	USD	350	350	300	300
Comex Silver - Tier 4 vs Tier 4 (E-MINI SILVER FUTURES)								
6Q	Spec		Decrease	USD	154	140	132	120
6Q	Hedge/Member		Decrease	USD	140	140	120	120
Iron Ore Futures - Mnth 1 vs Mnths 2-4 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,870	1,700	2,035	1,850
TIO	Hedge/Member		Increase	USD	1,700	1,700	1,850	1,850
Iron Ore Futures - Mnth 1 vs Mnths 5+ (IRON ORE FUTURES)								
TIO	Spec		New	USD			1,650	1,500
TIO	Hedge/Member		New	USD			1,500	1,500
Iron Ore Futures - Mnths 2-4 vs Mnths 2-4 (IRON ORE FUTURES)								
TIO	Spec		New	USD			1,320	1,200
TIO	Hedge/Member		New	USD			1,200	1,200
Iron Ore Futures - Mnths 2-4 vs Mnths 5+ (IRON ORE FUTURES)								
TIO	Spec		New	USD			1,540	1,400
TIO	Hedge/Member		New	USD			1,400	1,400
Iron Ore Futures - Mnths 5+ vs Mnths 5+ (IRON ORE FUTURES)								
TIO	Spec		New	USD			1,320	1,200
TIO	Hedge/Member		New	USD			1,200	1,200
Palladium - Tier 1 vs Tier 2 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Decrease	USD	330	300	248	225
PA	Hedge/Member		Decrease	USD	300	300	225	225
Palladium - Tier 2 vs Tier 2 (PALLADIUM FUTURES NYMEX)								
PA	Spec		Decrease	USD	330	300	248	225
PA	Hedge/Member		Decrease	USD	300	300	225	225
Platinum - Tier 1 vs Tier 2 (PLATINUM FUTURES NYMEX)								
PL	Spec		Decrease	USD	330	300	248	225
PL	Hedge/Member		Decrease	USD	300	300	225	225

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Platinum - Tier 2 vs Tier 2 (PLATINUM FUTURES NYMEX)								
PL	Spec		Decrease	USD	330	300	248	225
PL	Hedge/Member		Decrease	USD	300	300	225	225
U.S. Midwest #1 Busheling Ferrous Scrap (AMM) Futures - All Months (U.S. MIDWEST BUSHELING SCRAP)								
BUS	Spec		Increase	USD	440	400	605	550
BUS	Hedge/Member		Increase	USD	400	400	550	550
U.S. Midwest #1 Busheling Ferrous Scrap (AMM) Futures - All Months (US MW BUSHELING FERROUS SCRAP SWAP)								
BUW	Spec		Increase	USD	440	400	605	550
BUW	Hedge/Member		Increase	USD	400	400	550	550
NATURAL GAS - Intra Spreads								
SOUTHERN NAT GAS CO INDEX SWAP - All Months (SOUTHERN NAT, LA NAT GAS INDEX FUT)								
M8	Spec		Increase	USD	248	225	440	400
M8	Hedge/Member		Increase	USD	225	225	400	400
TCO Natural Gas Index Swap - All Months (TCO NG INDEX FUT)								
Q1	Spec		Increase	USD	396	360	495	450
Q1	Hedge/Member		Increase	USD	360	360	450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
REFINED PRODUCTS - Intra Spreads								
Heating Oil Calendar Swap (MP) - 1 Month Butterfly Month 12-14+ (NY HRBR ULSD FIN FUT)								
MP	Spec		New	USD			138	125
MP	Hedge/Member		New	USD			125	125
Heating Oil Calendar Swap (MP) - 1 Month Butterfly Month 1-3. (NY HRBR ULSD FIN FUT)								
MP	Spec		Decrease	USD	1,430	1,300	990	900
MP	Hedge/Member		Decrease	USD	1,300	1,300	900	900
Heating Oil Calendar Swap (MP) - 1 Month Butterfly Month 2-4. (NY HRBR ULSD FIN FUT)								
MP	Spec		Increase	USD	330	300	468	425
MP	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (HEATING OIL TAM PLATTS PRIC)								
HOS	Spec		New	USD			138	125
HOS	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (HEATING OIL TAM PLATTS PRICE)								
HO4	Spec		New	USD			138	125
HO4	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (NY HARBOR ULSD FUT)								
HO	Spec		New	USD			138	125
HO	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (NY HRBR ULSD LNDN TRD MRK)								
HOL	Spec		New	USD			138	125
HOL	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (NY HRBR ULSD PLATTS 3:15 MRK)								
HO3	Spec		New	USD			138	125
HO3	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (NY HRBR ULSD PLATTS 3:15 TRD MRK)								
HOP	Spec		New	USD			138	125
HOP	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 12-14+ (NY HRBR ULSD TAS)								
HOT	Spec		New	USD			138	125
HOT	Hedge/Member		New	USD			125	125
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (HEATING OIL TAM PLATTS PRIC)								
HOS	Spec		Decrease	USD	1,430	1,300	990	900
HOS	Hedge/Member		Decrease	USD	1,300	1,300	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (HEATING OIL TAM PLATTS PRICE)								
HO4	Spec		Decrease	USD	1,430	1,300	990	900
HO4	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (NY HARBOR ULSD FUT)								
HO	Spec		Decrease	USD	1,430	1,300	990	900
HO	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (NY HRBR ULSD LNDN TRD MRK)								
HOL	Spec		Decrease	USD	1,430	1,300	990	900
HOL	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (NY HRBR ULSD PLATTS 3:15 MRK)								
HO3	Spec		Decrease	USD	1,430	1,300	990	900
HO3	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (NY HRBR ULSD PLATTS 3:15 TRD MRK)								
HOP	Spec		Decrease	USD	1,430	1,300	990	900
HOP	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 1-3 (NY HRBR ULSD TAS)								
HOT	Spec		Decrease	USD	1,430	1,300	990	900
HOT	Hedge/Member		Decrease	USD	1,300	1,300	900	900
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (HEATING OIL TAM PLATTS PRIC)								
HOS	Spec		Increase	USD	330	300	468	425
HOS	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (HEATING OIL TAM PLATTS PRICE)								
HO4	Spec		Increase	USD	330	300	468	425
HO4	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (NY HARBOR ULSD FUT)								
HO	Spec		Increase	USD	330	300	468	425
HO	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (NY HRBR ULSD LNDN TRD MRK)								
HOL	Spec		Increase	USD	330	300	468	425
HOL	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (NY HRBR ULSD PLATTS 3:15 MRK)								
HO3	Spec		Increase	USD	330	300	468	425
HO3	Hedge/Member		Increase	USD	300	300	425	425

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (NY HRBR ULSD PLATTS 3:15 TRD MRK)								
HOP	Spec		Increase	USD	330	300	468	425
HOP	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor No. 2 Heating Oil (HO) - 1 Month Butterfly Month 2-4 (NY HRBR ULSD TAS)								
HOT	Spec		Increase	USD	330	300	468	425
HOT	Hedge/Member		Increase	USD	300	300	425	425
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB GASOLINE FUTURES)								
RB	Spec		New	USD			220	200
RB	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB GASOLINE TAM LONDON)								
RBL	Spec		New	USD			220	200
RBL	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB GASOLINE TAM PLATTS PR)								
RBS	Spec		New	USD			220	200
RBS	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB GASOLINE TAM PLATTS PRICE)								
4RB	Spec		New	USD			220	200
4RB	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB GASOLINE TAM PLATTS PRICING)								
3RB	Spec		New	USD			220	200
3RB	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB PLATTS 3:15 TRADABLE MARKER)								
RBP	Spec		New	USD			220	200
RBP	Hedge/Member		New	USD			200	200
NY Harbor RBOB Gasoline (RB) - 1 Month Butterfly Month 12-14+ (RBOB TRADE AT SETTLEMENT)								
RBT	Spec		New	USD			220	200
RBT	Hedge/Member		New	USD			200	200
RBOB GASOLINE CALENDAR SWAP FUTURES (RL) - 1 Month Butterfly Month 12-14+ (RBOB CALENDAR FUT)								
RL	Spec		New	USD			220	200
RL	Hedge/Member		New	USD			200	200

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						
CORN (C - CME) vs SOYBEAN OIL (07 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
Oats (CBOT) (O) vs. Soybean Oil (CBOT) (07)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
CRUDE OIL - Inter-commodity Spread Rates						
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	50%	50%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ELECTRICITY - Inter-commodity Spread Rates						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE A 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-K4 - CME)						
Spread Credit Rate	Decrease	+1:-194	60%	60%	50%	50%
ISO NEW ENGLAND INTERNAL HUB 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-H2 - CME) vs ISO NEW ENGLAND SOUTH EAST MASSACHUSETTS ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-P5 - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	80%	80%
MIDWEST ISO CINERGY HUB 5 MW PEAK CAL DA SWAP FUT (NY-H5- CME) vs PJM COMED ZONE 5 MW PEAK CAL DA LMP SWAP FUT (NY-D8- CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	60%	60%
NEPOOL INTER HUB 5MW DAY AHEAD OFF PEAK (NYM-H2 - CME) vs NEPOOL RHODE ISLAND 5MW DAY AHEAD OFF PEAK (NYM-U5 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
NEPOOL INTERNAL HUB 5 MW PEAK CALENDAR-MONTH DAY AHEAD SWAP (NYM-U6 - CME) vs NEPOOL SE MASS 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP (NYM-P4 - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	60%	60%
NEPOOL RHODE IL 5MW D AH O PK (NY-U5- CME) vs NE INTERNAL HUB OFF-PEAK LMP SWAP FUT (NY-KI- CME)						
Spread Credit Rate	Decrease	+202:-1	70%	70%	60%	60%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM AECO ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-X1- CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM AEP DAYTON HUB OFF-PEAK CAL DA LMP SWAP FUT (NY-R7- CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM AEP DAYTON HUB OFF-PEAK LMP SWAP FUT (NY-VP- CME)						
Spread Credit Rate	Decrease	+202:-1	35%	35%	25%	25%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM APS ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-W4- CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM BGE ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-R3- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	45%	45%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	40%	40%
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM PECO ZONE 5 MW OFF-PEAK CAL DA LMP SWAP FUT (NY-4P- CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME) vs PJM PPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F5- CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
PJM AECO ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-X1- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	50%	50%	40%	40%
PJM APS ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-W4- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	60%	60%	40%	40%
PJM BGE ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-R3- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	60%	60%	40%	40%
PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	75%	75%	40%	40%
PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME) vs NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	35%	35%
PJM PECO ZONE 5 MW OFF-PEAK CAL DA LMP SWAP FUT (NY-4P- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	55%	55%	40%	40%
PJM WESTERN HUB OFF-PEAK CAL DA LMP SWAP FUT (NY-E4- CME) vs NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%
PJM WESTERN HUB OFF-PEAK CAL DA LMP SWAP FUT (NY-E4- CME) vs NYISO ZONE A OFF-PEAK LBMP SWAP FUT (NY-KB- CME)						
Spread Credit Rate	Decrease	+202:-1	50%	50%	40%	40%
PJM WESTERN HUB OFF-PEAK CAL REAL-TIME LMP SWAP FUT (NY-N9- CME) vs NYISO ZONE A 5 MW OFF-PEAK CAL DA LBMP SWAP FUT (NY-K4- CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
PJM WESTERN HUB PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-J4 - CME) vs PJM METED ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-47 - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	60%	60%
FX - Inter-commodity Spread Rates						
Japanese Yen (JY) vs. Cross Rate Euro FX/Japanese Yen (RY)						
Spread Credit Rate	Decrease	+4:+3	55%	55%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
-----------	--------	-------	-----------------	---------------------	-------------	-----------------

Inter-commodity Spread Rates

NATURAL GAS - Inter-commodity Spread Rates

HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE A 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-K4 - CME)

Spread Credit Rate	Decrease	+1:-194	60%	60%	50%	50%
--------------------	----------	---------	-----	-----	-----	-----

NGL/PETROCHEMICALS - Inter-commodity Spread Rates

MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)

Spread Credit Rate	Decrease	+1:-1	35%	35%	30%	30%
--------------------	----------	-------	-----	-----	-----	-----

MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)

Spread Credit Rate	Decrease	+1:-1	30%	30%	25%	25%
--------------------	----------	-------	-----	-----	-----	-----

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						
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	50%	50%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	82%	82%	79%	79%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
CRUDE OIL SPREADS - Short Option Minimum (SOM) Rate						
WEST TEXAS INTERMEDIATE 1 MONTH CALENDAR COMBO (CA, DNM, WA) - SOM						
Clearing Member Rate		Decrease	28.600	26.000	27.500	25.000
WTI CRUDE OIL 1 MONTH CSO (7A, A2) - SOM						
Clearing Member Rate		Increase	23.100	21.000	25.300	23.000
NATURAL GAS - Short Option Minimum (SOM) Rate						
SONAT BASIS SWAP (PLATTS IFERC) FUTURES (SZ) - SOM						
Clearing Member Rate		Decrease	33.000	30.000	11.000	10.000