



14-129

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, March 27, 2014

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, March 28, 2014.

Current rates as of:

Thursday, March 27, 2014.

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								
CAISO NP15 EZGNHUB5 OFF P CLN (2J)								
2J	Spec		Decrease	USD	2,750	2,500	495	450
2J	Hedge/Member		Decrease	USD	2,500	2,500	450	450
CAISO NP15 EZGNHUB5 OFF P CLN (2Z)								
2Z	Spec		Decrease	USD	2,750	2,500	495	450
2Z	Hedge/Member		Decrease	USD	2,500	2,500	450	450
CAISO NP15 EZGNHUB5 PEAK CLN D (2F)								
2F	Spec		Decrease	USD	44,000	40,000	9,900	9,000
2F	Hedge/Member		Decrease	USD	40,000	40,000	9,000	9,000
CAISO NP15 EZGNHUB5 PEAK CLN D (3Z)								
3Z	Spec		Decrease	USD	44,000	40,000	9,900	9,000
3Z	Hedge/Member		Decrease	USD	40,000	40,000	9,000	9,000
CAISO SP15 EZGNHUB5 OFF P CLN (2K)								
2K	Spec		Decrease	USD	2,750	2,500	495	450
2K	Hedge/Member		Decrease	USD	2,500	2,500	450	450
CAISO SP15 EZGNHUB5 OFF P CLN (4Z)								
4Z	Spec		Decrease	USD	2,750	2,500	495	450
4Z	Hedge/Member		Decrease	USD	2,500	2,500	450	450
CAISO SP15 EZGNHUB5 PEAK CLN D (2H)								
2H	Spec		Decrease	USD	44,000	40,000	9,900	9,000
2H	Hedge/Member		Decrease	USD	40,000	40,000	9,000	9,000
CAISO SP15 EZGNHUB5 PEAK CLN D (9Z)								
9Z	Spec		Decrease	USD	44,000	40,000	9,900	9,000
9Z	Hedge/Member		Decrease	USD	40,000	40,000	9,000	9,000
ETHANOL - Outright Rates								
CHICAGO ETHANOL FUT (CU)								
CU	Spec	Mths 2-7	Increase	USD	4,950	4,500	5,500	5,000
CU	Hedge/Member	Mths 2-7	Increase	USD	4,500	4,500	5,000	5,000
NEW YORK ETHANOL FUT (EZ)								
EZ	Spec	Mth 1	Increase	USD	16,500	15,000	18,150	16,500
EZ	Hedge/Member	Mth 1	Increase	USD	15,000	15,000	16,500	16,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NATURAL GAS - Outright Rates

ALGONQUIN CITYGATES BASIS (B4)

B4	Spec	Mnth 1	Decrease	USD	11,000	10,000	5,500	5,000
B4	Hedge/Member	Mnth 1	Decrease	USD	10,000	10,000	5,000	5,000
B4	Spec	Mnth 2	Decrease	USD	5,500	5,000	2,750	2,500
B4	Hedge/Member	Mnth 2	Decrease	USD	5,000	5,000	2,500	2,500

CENTERPOINT BASIS FUT (PW)

PW	Spec	Mnth 1	Decrease	USD	248	225	220	200
PW	Hedge/Member	Mnth 1	Decrease	USD	225	225	200	200
PW	Spec	Mnths 2-6	Decrease	USD	209	190	187	170
PW	Hedge/Member	Mnths 2-6	Decrease	USD	190	190	170	170
PW	Spec	Mnths 7+	Decrease	USD	176	160	154	140
PW	Hedge/Member	Mnths 7+	Decrease	USD	160	160	140	140

COLUMB GULF MAINLINE NG BASIS (5Z)

5Z	Spec	Mnths 2-5	Decrease	USD	44	40	39	35
5Z	Hedge/Member	Mnths 2-5	Decrease	USD	40	40	35	35
5Z	Spec	Mnths 3+	New	USD			33	30
5Z	Hedge/Member	Mnths 3+	New	USD			30	30

COLUMBIA GULF ONSHORE BASIS FUT (GL)

GL	Spec	Mnth 1	Decrease	USD	220	200	182	165
GL	Hedge/Member	Mnth 1	Decrease	USD	200	200	165	165
GL	Spec	Mnth 2	Decrease	USD	220	200	143	130
GL	Hedge/Member	Mnth 2	Decrease	USD	200	200	130	130
GL	Spec	Mnths 3+	Decrease	USD	220	200	116	105
GL	Hedge/Member	Mnths 3+	Decrease	USD	200	200	105	105

DOMINION BASIS FUT (PLATTS IFERC) (PG)

PG	Spec	Mnth 1	Decrease	USD	715	650	550	500
PG	Hedge/Member	Mnth 1	Decrease	USD	650	650	500	500
PG	Spec	Mnth 2	Decrease	USD	660	600	495	450
PG	Hedge/Member	Mnth 2	Decrease	USD	600	600	450	450
PG	Spec	Mnths 3-8	New	USD			495	450
PG	Hedge/Member	Mnths 3-8	New	USD			450	450
PG	Spec	Mnths 9-20	New	USD			495	450
PG	Hedge/Member	Mnths 9-20	New	USD			450	450
PG	Spec	Mnths 21+	New	USD			495	450
PG	Hedge/Member	Mnths 21+	New	USD			450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FLORIDA ZONE 2 NG BASIS (8A)								
8A	Spec	Mth 1	Decrease	USD	28	25	22	20
8A	Hedge/Member	Mth 1	Decrease	USD	25	25	20	20
8A	Spec	Mth 2+	Decrease	USD	28	25	17	15
8A	Hedge/Member	Mth 2+	Decrease	USD	25	25	15	15
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnth 1	Decrease	USD	330	300	220	200
NH	Hedge/Member	Mnth 1	Decrease	USD	300	300	200	200
MICHIGAN BASIS (NF)								
NF	Spec	Mnth 2	Decrease	USD	1,980	1,800	1,760	1,600
NF	Hedge/Member	Mnth 2	Decrease	USD	1,800	1,800	1,600	1,600
NF	Spec	Mnths 3-4	Decrease	USD	193	175	165	150
NF	Hedge/Member	Mnths 3-4	Decrease	USD	175	175	150	150
NF	Spec	Mnths 5-12	Decrease	USD	138	125	127	115
NF	Hedge/Member	Mnths 5-12	Decrease	USD	125	125	115	115
NF	Spec	Mnths 13+	Decrease	USD	220	200	198	180
NF	Hedge/Member	Mnths 13+	Decrease	USD	200	200	180	180
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnths 3-6	Decrease	USD	66	60	55	50
PD	Hedge/Member	Mnths 3-6	Decrease	USD	60	60	50	50
PD	Spec	Mnths 7-12	Decrease	USD	72	65	61	55
PD	Hedge/Member	Mnths 7-12	Decrease	USD	65	65	55	55
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Decrease	USD	512	465	462	420
NR	Hedge/Member	Mnth 1	Decrease	USD	465	465	420	420
NR	Spec	Mnths 2-6	Decrease	USD	286	260	209	190
NR	Hedge/Member	Mnths 2-6	Decrease	USD	260	260	190	190
NR	Spec	Mnths 10-16	Decrease	USD	176	160	171	155
NR	Hedge/Member	Mnths 10-16	Decrease	USD	160	160	155	155

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ONEOK OKLAHOMA NG BASIS (8X)								
8X	Spec	Mnth 1	Decrease	USD	418	380	374	340
8X	Hedge/Member	Mnth 1	Decrease	USD	380	380	340	340
8X	Spec	Mnth 2	New	USD			220	200
8X	Hedge/Member	Mnth 2	New	USD			200	200
8X	Spec	Mnths 3-7	New	USD			220	200
8X	Hedge/Member	Mnths 3-7	New	USD			200	200
8X	Spec	Mnths 8-20	New	USD			176	160
8X	Hedge/Member	Mnths 8-20	New	USD			160	160
8X	Spec	Mnths 21+	New	USD			220	200
8X	Hedge/Member	Mnths 21+	New	USD			200	200
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 1	Decrease	USD	825	750	682	620
PM	Hedge/Member	Mths 1	Decrease	USD	750	750	620	620
PM	Spec	Mths 2	Decrease	USD	319	290	286	260
PM	Hedge/Member	Mths 2	Decrease	USD	290	290	260	260
PM	Spec	Mths 3-6	Decrease	USD	264	240	237	215
PM	Hedge/Member	Mths 3-6	Decrease	USD	240	240	215	215
PM	Spec	Mths 7-12	Decrease	USD	264	240	220	200
PM	Hedge/Member	Mths 7-12	Decrease	USD	240	240	200	200
PM	Spec	Mths 13+	Decrease	USD	264	240	220	200
PM	Hedge/Member	Mths 13+	Decrease	USD	240	240	200	200
SAN JUAN BASIS FUT (NJ)								
NJ	Spec	Mth 2	Decrease	USD	264	240	209	190
NJ	Hedge/Member	Mth 2	Decrease	USD	240	240	190	190
NJ	Spec	Mths 13+	Increase	USD	116	105	143	130
NJ	Hedge/Member	Mths 13+	Increase	USD	105	105	130	130
SOCAL BASIS FUT (NS)								
NS	Spec	Mnth 3-6	Decrease	USD	242	220	215	195
NS	Hedge/Member	Mnth 3-6	Decrease	USD	220	220	195	195
NS	Spec	Mnth 7-12	Decrease	USD	231	210	204	185
NS	Hedge/Member	Mnth 7-12	Decrease	USD	210	210	185	185
NS	Spec	Mnth 13+	Increase	USD	193	175	215	195
NS	Hedge/Member	Mnth 13+	Increase	USD	175	175	195	195

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 2	Decrease	USD	55	50	44	40
SZ	Hedge/Member	Mnth 2	Decrease	USD	50	50	40	40
SZ	Spec	Mnths 3+	Decrease	USD	50	45	39	35
SZ	Hedge/Member	Mnths 3+	Decrease	USD	45	45	35	35
SOUTH STAR TEX OKLHM KNS NG B (8Z)								
8Z	Spec	Mnth 1	Decrease	USD	495	450	385	350
8Z	Hedge/Member	Mnth 1	Decrease	USD	450	450	350	350
SUMAS BASIS FUT (NK)								
NK	Spec	Mnth 1	Decrease	USD	1,760	1,600	1,430	1,300
NK	Hedge/Member	Mnth 1	Decrease	USD	1,600	1,600	1,300	1,300
NK	Spec	Mnths 2-5	Decrease	USD	660	600	550	500
NK	Hedge/Member	Mnths 2-5	Decrease	USD	600	600	500	500
NK	Spec	Mnths 6+	Decrease	USD	550	500	495	450
NK	Hedge/Member	Mnths 6+	Decrease	USD	500	500	450	450
TCO BASIS FUT (TC)								
TC	Spec	Mnth 1	Decrease	USD	248	225	220	200
TC	Hedge/Member	Mnth 1	Decrease	USD	225	225	200	200
TC	Spec	Mnths 2+	Decrease	USD	248	225	198	180
TC	Hedge/Member	Mnths 2+	Decrease	USD	225	225	180	180
TETCO STX BASIS (TX)								
TX	Spec	Mth 1	Decrease	USD	248	225	220	200
TX	Hedge/Member	Mth 1	Decrease	USD	225	225	200	200
TX	Spec	Mth 2	Decrease	USD	88	80	66	60
TX	Hedge/Member	Mth 2	Decrease	USD	80	80	60	60
TX	Spec	Mths 3 - 6	Decrease	USD	72	65	61	55
TX	Hedge/Member	Mths 3 - 6	Decrease	USD	65	65	55	55
TX	Spec	Mths 7 - 12	Decrease	USD	72	65	61	55
TX	Hedge/Member	Mths 7 - 12	Decrease	USD	65	65	55	55
TX	Spec	Mths 13+	Decrease	USD	72	65	61	55
TX	Hedge/Member	Mths 13+	Decrease	USD	65	65	55	55

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TEXAS EASTERN ZONE M-3 BASIS FUT (NX)								
NX	Spec	Mth 1	Decrease	USD	5,500	5,000	2,750	2,500
NX	Hedge/Member	Mth 1	Decrease	USD	5,000	5,000	2,500	2,500
NX	Spec	Mth 2	Decrease	USD	1,100	1,000	825	750
NX	Hedge/Member	Mth 2	Decrease	USD	1,000	1,000	750	750
NX	Spec	Winter 2014/2015	Decrease	USD	2,200	2,000	1,430	1,300
NX	Hedge/Member	Winter 2014/2015	Decrease	USD	2,000	2,000	1,300	1,300
TRANSCO ZONE 1 NG BASIS (8E)								
8E	Spec	Mnth 1	Decrease	USD	330	300	275	250
8E	Hedge/Member	Mnth 1	Decrease	USD	300	300	250	250
8E	Spec	Mnths 2+	Decrease	USD	330	300	275	250
8E	Hedge/Member	Mnths 2+	Decrease	USD	300	300	250	250
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Mnth 2	Decrease	USD	2,200	2,000	1,870	1,700
NZ	Hedge/Member	Mnth 2	Decrease	USD	2,000	2,000	1,700	1,700
NZ	Spec	Winter 2014/2015	Decrease	USD	2,750	2,500	2,200	2,000
NZ	Hedge/Member	Winter 2014/2015	Decrease	USD	2,500	2,500	2,000	2,000
TRANSCO ZONE 6 NON NY BASIS FUT (TZ6)								
TZ6	Spec	Mnth 1	Decrease	USD	10,450	9,500	3,300	3,000
TZ6	Hedge/Member	Mnth 1	Decrease	USD	9,500	9,500	3,000	3,000
TZ6	Spec	Mnth 2	Decrease	USD	4,840	4,400	2,200	2,000
TZ6	Hedge/Member	Mnth 2	Decrease	USD	4,400	4,400	2,000	2,000
TZ6	Spec	Winter 2014/2015	Decrease	USD	5,280	4,800	2,750	2,500
TZ6	Hedge/Member	Winter 2014/2015	Decrease	USD	4,800	4,800	2,500	2,500
TRANSCO ZONE4 BASIS FUT (TR)								
TR	Spec	Mnths 3+	Decrease	USD	39	35	33	30
TR	Hedge/Member	Mnths 3+	Decrease	USD	35	35	30	30
TRUNKLINE, LA BASIS FUT (NU)								
NU	Spec	Mnths 2+	Decrease	USD	220	200	198	180
NU	Hedge/Member	Mnths 2+	Decrease	USD	200	200	180	180

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

VENTURA BASIS FUT (PF)

PF	Spec	Mnth 1	Decrease	USD	3,135	2,850	2,508	2,280
PF	Hedge/Member	Mnth 1	Decrease	USD	2,850	2,850	2,280	2,280
PF	Spec	Mnths 6+	Decrease	USD	418	380	374	340
PF	Hedge/Member	Mnths 6+	Decrease	USD	380	380	340	340

WAHA TEXAS BASIS FUT (NW)

NW	Spec	Mnth 1	Decrease	USD	875	795	743	675
NW	Hedge/Member	Mnth 1	Decrease	USD	795	795	675	675
NW	Spec	Mnth 2	Decrease	USD	275	250	220	200
NW	Hedge/Member	Mnth 2	Decrease	USD	250	250	200	200
NW	Spec	Mnths 3-6	Decrease	USD	138	125	110	100
NW	Hedge/Member	Mnths 3-6	Decrease	USD	125	125	100	100
NW	Spec	Mnths 7-12	Decrease	USD	138	125	105	95
NW	Hedge/Member	Mnths 7-12	Decrease	USD	125	125	95	95
NW	Spec	Mnths 13+	Decrease	USD	138	125	99	90
NW	Hedge/Member	Mnths 13+	Decrease	USD	125	125	90	90

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PETROLEUM CRACKS AND SPREADS - Outright Rates

1% FOIL(PLTS) CARGOES FOB NWE CRACK (FVB)

FVB	Spec	Mnth 1	Increase	USD	13,970	12,700	20,955	19,050
FVB	Hedge/Member	Mnth 1	Increase	USD	12,700	12,700	19,050	19,050

1% FUEL OIL RDM VS 1% OIL NWE PLTS (33)

33	Spec	Mth 1	Increase	USD	2,310	2,100	2,750	2,500
33	Hedge/Member	Mth 1	Increase	USD	2,100	2,100	2,500	2,500
33	Spec	Mths 2+	Increase	USD	1,430	1,300	1,760	1,600
33	Hedge/Member	Mths 2+	Increase	USD	1,300	1,300	1,600	1,600

3.5% F OIL(PLTS) BRGES FOB RDM CRCK (BOB)

BOB	Spec	Mnth 1	Increase	USD	12,573	11,430	20,955	19,050
BOB	Hedge/Member	Mnth 1	Increase	USD	11,430	11,430	19,050	19,050

ARGS GSOLNE E-BOB OXY BARGES NWE CK (EOB)

EOB	Spec	Mnth 1	Increase	USD	27,489	24,990	34,819	31,654
EOB	Hedge/Member	Mnth 1	Increase	USD	24,990	24,990	31,654	31,654
EOB	Spec	Mnth 2-6	Decrease	USD	24,740	22,491	18,326	16,660
EOB	Hedge/Member	Mnth 2-6	Decrease	USD	22,491	22,491	16,660	16,660

ARGS PRPANE FR EST VS EURO CIF ARA (91)

91	Spec	Mth 1	Decrease	USD	39,600	36,000	33,000	30,000
91	Hedge/Member	Mth 1	Decrease	USD	36,000	36,000	30,000	30,000
91	Spec	Mths 2-3	Decrease	USD	27,500	25,000	24,200	22,000
91	Hedge/Member	Mths 2-3	Decrease	USD	25,000	25,000	22,000	22,000
91	Spec	Mths 4+	Decrease	USD	22,000	20,000	17,600	16,000
91	Hedge/Member	Mths 4+	Decrease	USD	20,000	20,000	16,000	16,000

CHI ULSD (PLATTS) VS. NY HRBR ULSD (5C)

5C	Spec	Mnth 1	Increase	USD	2,640	2,400	3,190	2,900
5C	Hedge/Member	Mnth 1	Increase	USD	2,400	2,400	2,900	2,900
5C	Spec	Mnth 2-3	Increase	USD	1,650	1,500	2,200	2,000
5C	Hedge/Member	Mnth 2-3	Increase	USD	1,500	1,500	2,000	2,000
5C	Spec	Mnth 4+	New	USD			1,320	1,200
5C	Hedge/Member	Mnth 4+	New	USD			1,200	1,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Spec	Mth 1	Decrease	USD	8,800	8,000	7,700	7,000
EW	Hedge/Member	Mth 1	Decrease	USD	8,000	8,000	7,000	7,000
EW	Spec	Mths 2-3	Increase	USD	4,400	4,000	5,500	5,000
EW	Hedge/Member	Mths 2-3	Increase	USD	4,000	4,000	5,000	5,000
EW	Spec	Mths 4+	Decrease	USD	3,080	2,800	2,750	2,500
EW	Hedge/Member	Mths 4+	Decrease	USD	2,800	2,800	2,500	2,500
EUR1%FUEL OIL CARG FOB MED V FOB NWE (ENS)								
ENS	Spec	Mths 2+	Decrease	USD	5,500	5,000	3,300	3,000
ENS	Hedge/Member	Mths 2+	Decrease	USD	5,000	5,000	3,000	3,000
EURO DIESEL 10PPM VS. ICE (ET)								
ET	Spec	Mnths 1	Decrease	USD	5,500	5,000	3,850	3,500
ET	Hedge/Member	Mnths 1	Decrease	USD	5,000	5,000	3,500	3,500
ET	Spec	Mnths 3-6	Decrease	USD	3,850	3,500	2,750	2,500
ET	Hedge/Member	Mnths 3-6	Decrease	USD	3,500	3,500	2,500	2,500
ET	Spec	Mnth 2	Decrease	USD	4,730	4,300	3,850	3,500
ET	Hedge/Member	Mnth 2	Decrease	USD	4,300	4,300	3,500	3,500
ET	Spec	Mnths 7+	Decrease	USD	2,420	2,200	1,650	1,500
ET	Hedge/Member	Mnths 7+	Decrease	USD	2,200	2,200	1,500	1,500
EURO PPNE CIFARG VS NAPHTHA NWE FUT (EPN)								
EPN	Spec	Mnth 1	Increase	USD	49,500	45,000	55,000	50,000
EPN	Hedge/Member	Mnth 1	Increase	USD	45,000	45,000	50,000	50,000
EPN	Spec	Mnth 2	Increase	USD	34,100	31,000	44,000	40,000
EPN	Hedge/Member	Mnth 2	Increase	USD	31,000	31,000	40,000	40,000
EPN	Spec	Mnths 3+	New	USD			33,000	30,000
EPN	Hedge/Member	Mnths 3+	New	USD			30,000	30,000
EUROPEAN NAPHTHA CRACK SPREAD FUT (EN)								
EN	Spec	Mnth 1	Decrease	USD	1,980	1,800	1,650	1,500
EN	Hedge/Member	Mnth 1	Decrease	USD	1,800	1,800	1,500	1,500
EN	Spec	Mnth 5+	Decrease	USD	1,320	1,200	990	900
EN	Hedge/Member	Mnth 5+	Decrease	USD	1,200	1,200	900	900
EN	Spec	Mnths 2-4	Decrease	USD	1,540	1,400	1,320	1,200
EN	Hedge/Member	Mnths 2-4	Decrease	USD	1,400	1,400	1,200	1,200
FAME BIO ARGUS RDM RED VS ICE GAS (FBT)								
FBT	Spec	Mth 1	Decrease	USD	4,620	4,200	2,200	2,000
FBT	Hedge/Member	Mth 1	Decrease	USD	4,200	4,200	2,000	2,000
FBT	Spec	Mth 2+	Decrease	USD	3,520	3,200	1,980	1,800
FBT	Hedge/Member	Mth 2+	Decrease	USD	3,200	3,200	1,800	1,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FUEL OIL CRACK VS. ICE (FO)								
FO	Spec	Mnth 1	Increase	USD	1,980	1,800	3,300	3,000
FO	Hedge/Member	Mnth 1	Increase	USD	1,800	1,800	3,000	3,000
FUEL OIL NWE CRACK VS. ICE (FI)								
FI	Spec	Mnth 1	Increase	USD	2,200	2,000	3,300	3,000
FI	Hedge/Member	Mnth 1	Increase	USD	2,000	2,000	3,000	3,000
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Spec	Mnth 1	Increase	USD	11,000	10,000	12,100	11,000
FS	Hedge/Member	Mnth 1	Increase	USD	10,000	10,000	11,000	11,000
FS	Spec	Mnths 2-5	Increase	USD	6,930	6,300	8,800	8,000
FS	Hedge/Member	Mnths 2-5	Increase	USD	6,300	6,300	8,000	8,000
FS	Spec	Mnths 6+	Increase	USD	3,300	3,000	5,500	5,000
FS	Hedge/Member	Mnths 6+	Increase	USD	3,000	3,000	5,000	5,000
G. COAST #6 FUEL OIL 3.0% VS BRENT (GCI)								
GCI	Spec		Decrease	USD	1,650	1,500	1,320	1,200
GCI	Hedge/Member		Decrease	USD	1,500	1,500	1,200	1,200
GAS EURO-BOB OXY (ARG) CRACK (7K)								
7K	Spec	Mnth 1	Increase	USD	3,300	3,000	4,180	3,800
7K	Hedge/Member	Mnth 1	Increase	USD	3,000	3,000	3,800	3,800
7K	Spec	Mnth 2-6	Decrease	USD	2,970	2,700	2,200	2,000
7K	Hedge/Member	Mnth 2-6	Decrease	USD	2,700	2,700	2,000	2,000
GASOIL 0.1 BRGS FOB V. ICE BLM (6V)								
6V	Spec		Decrease	USD	6,600	6,000	2,420	2,200
6V	Hedge/Member		Decrease	USD	6,000	6,000	2,200	2,200
GASOIL 0.1 CIF NWE V. ISE FUTURES (TU)								
TU	Spec	Mth 1	Decrease	USD	5,775	5,250	4,400	4,000
TU	Hedge/Member	Mth 1	Decrease	USD	5,250	5,250	4,000	4,000
TU	Spec	Mths 2-3	Decrease	USD	4,950	4,500	3,300	3,000
TU	Hedge/Member	Mths 2-3	Decrease	USD	4,500	4,500	3,000	3,000
TU	Spec	Mths 4+	Decrease	USD	3,630	3,300	2,750	2,500
TU	Hedge/Member	Mths 4+	Decrease	USD	3,300	3,300	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GASOIL 0.1 RDAM BRGS V. ICE (WQ)								
WQ	Spec	Mnth 1	Decrease	USD	2,750	2,500	1,430	1,300
WQ	Hedge/Member	Mnth 1	Decrease	USD	2,500	2,500	1,300	1,300
WQ	Spec	Mnths 2-5	Decrease	USD	1,650	1,500	1,100	1,000
WQ	Hedge/Member	Mnths 2-5	Decrease	USD	1,500	1,500	1,000	1,000
WQ	Spec	Mnths 6+	Decrease	USD	1,100	1,000	770	700
WQ	Hedge/Member	Mnths 6+	Decrease	USD	1,000	1,000	700	700
GASOIL 0.1CIF MED VS. ICE GAS (Z5)								
Z5	Spec	Mth 1	Decrease	USD	4,070	3,700	2,420	2,200
Z5	Hedge/Member	Mth 1	Decrease	USD	3,700	3,700	2,200	2,200
Z5	Spec	Mths 2+	Decrease	USD	2,750	2,500	1,650	1,500
Z5	Hedge/Member	Mths 2+	Decrease	USD	2,500	2,500	1,500	1,500
GASOIL CRACK SPREAD CALENDAR FUT (GZ)								
GZ	Spec	Mnth 1	Increase	USD	1,925	1,750	2,090	1,900
GZ	Hedge/Member	Mnth 1	Increase	USD	1,750	1,750	1,900	1,900
GZ	Spec	Mnths 2-6	Increase	USD	1,925	1,750	2,090	1,900
GZ	Hedge/Member	Mnths 2-6	Increase	USD	1,750	1,750	1,900	1,900
GZ	Spec	Mnths 7+	Increase	USD	1,650	1,500	1,870	1,700
GZ	Hedge/Member	Mnths 7+	Increase	USD	1,500	1,500	1,700	1,700
GASOIL(ICE) CRACK SPREAD 1000MT FUT (GOC)								
GOC	Spec	Mnth 1	Increase	USD	14,341	13,038	15,571	14,155
GOC	Hedge/Member	Mnth 1	Increase	USD	13,038	13,038	14,155	14,155
GOC	Spec	Mnths 2-6	Increase	USD	14,341	13,038	15,571	14,155
GOC	Hedge/Member	Mnths 2-6	Increase	USD	13,038	13,038	14,155	14,155
GOC	Spec	Mnths 7+	Increase	USD	12,293	11,175	13,932	12,665
GOC	Hedge/Member	Mnths 7+	Increase	USD	11,175	11,175	12,665	12,665
GC ULSD V. GC JET SPREAD FUT (VV)								
VV	Spec	Mnth 1	Increase	USD	1,320	1,200	1,870	1,700
VV	Hedge/Member	Mnth 1	Increase	USD	1,200	1,200	1,700	1,700
VV	Spec	Mnths 2+	New	USD			1,100	1,000
VV	Hedge/Member	Mnths 2+	New	USD			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								
GLFCST JET PLATTS UP/DN FUT (ME)								
ME	Spec	Mnth 1	Increase	USD	2,750	2,500	3,300	3,000
ME	Hedge/Member	Mnth 1	Increase	USD	2,500	2,500	3,000	3,000
ME	Spec	Mnth 2	New	USD			1,375	1,250
ME	Hedge/Member	Mnth 2	New	USD			1,250	1,250
ME	Spec	Mnths 3-5	Decrease	USD	1,100	1,000	825	750
ME	Hedge/Member	Mnths 3-5	Decrease	USD	1,000	1,000	750	750
ME	Spec	Mnths 6+	Decrease	USD	1,100	1,000	825	750
ME	Hedge/Member	Mnths 6+	Decrease	USD	1,000	1,000	750	750
GLFCST NO.2 PLATTS FIN UP/DN FUT (UT)								
UT	Spec	Mnth 1	Increase	USD	1,760	1,600	2,970	2,700
UT	Hedge/Member	Mnth 1	Increase	USD	1,600	1,600	2,700	2,700
UT	Spec	Mnths 2-3	Increase	USD	1,650	1,500	1,980	1,800
UT	Hedge/Member	Mnths 2-3	Increase	USD	1,500	1,500	1,800	1,800
GLFCST ULSD PLATTS UP/DN FUT (LT)								
LT	Spec	Mth 1	Increase	USD	1,650	1,500	1,870	1,700
LT	Hedge/Member	Mth 1	Increase	USD	1,500	1,500	1,700	1,700
GRP3 ULSD VS NY HRBR ULSD FUT (A6)								
A6	Spec	Mnths 2-5	Decrease	USD	1,650	1,500	1,375	1,250
A6	Hedge/Member	Mnths 2-5	Decrease	USD	1,500	1,500	1,250	1,250
GULF CO NO6 FUELOIL 3% V. EURO 3.5% (GCU)								
GCU	Spec	Mnth 1	Decrease	USD	880	800	550	500
GCU	Hedge/Member	Mnth 1	Decrease	USD	800	800	500	500
GCU	Spec	Mnth 2-6	Decrease	USD	748	680	550	500
GCU	Hedge/Member	Mnth 2-6	Decrease	USD	680	680	500	500
GCU	Spec	Mnths 7+	Decrease	USD	660	600	440	400
GCU	Hedge/Member	Mnths 7+	Decrease	USD	600	600	400	400
GULF COAST NO.6 FUEL OIL CRACK FUT (MG)								
MG	Spec	Mnth 1-3	Decrease	USD	2,750	2,500	2,200	2,000
MG	Hedge/Member	Mnth 1-3	Decrease	USD	2,500	2,500	2,000	2,000
GULF COAST ULSD CRACK SPREAD (GY)								
GY	Spec	Mnth 1	Increase	USD	2,750	2,500	2,970	2,700
GY	Hedge/Member	Mnth 1	Increase	USD	2,500	2,500	2,700	2,700
GY	Spec	Mnths 2-3	Decrease	USD	2,750	2,500	2,200	2,000
GY	Hedge/Member	Mnths 2-3	Decrease	USD	2,500	2,500	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
JET AVIA FUEL(PLTT) FOB V. ICE (1V)								
1V	Spec	Mnth 1	Increase	USD	8,800	8,000	13,200	12,000
1V	Hedge/Member	Mnth 1	Increase	USD	8,000	8,000	12,000	12,000
1V	Spec	Mnths 2+	New	USD			11,000	10,000
1V	Hedge/Member	Mnths 2+	New	USD			10,000	10,000
JET CIF NWE VS ICE (JC)								
JC	Spec	Mnth 1	Increase	USD	6,050	5,500	6,600	6,000
JC	Hedge/Member	Mnth 1	Increase	USD	5,500	5,500	6,000	6,000
JC	Spec	Mnth 2	Decrease	USD	3,960	3,600	3,300	3,000
JC	Hedge/Member	Mnth 2	Decrease	USD	3,600	3,600	3,000	3,000
JC	Spec	Mnths 3-6	Decrease	USD	3,300	3,000	2,750	2,500
JC	Hedge/Member	Mnths 3-6	Decrease	USD	3,000	3,000	2,500	2,500
JC	Spec	Mnths 7+	Decrease	USD	2,750	2,500	2,200	2,000
JC	Hedge/Member	Mnths 7+	Decrease	USD	2,500	2,500	2,000	2,000
LA CARBD (OPIS) VS. NY HRBR ULSD (KL)								
KL	Spec	Mnth 2	Decrease	USD	1,650	1,500	1,320	1,200
KL	Hedge/Member	Mnth 2	Decrease	USD	1,500	1,500	1,200	1,200
KL	Spec	Mnths 3+	Decrease	USD	1,650	1,500	990	900
KL	Hedge/Member	Mnths 3+	Decrease	USD	1,500	1,500	900	900
LA CARBOB GASOLINE(OPIS)FUT (JL)								
JL	Spec		Decrease	USD	4,400	4,000	3,850	3,500
JL	Hedge/Member		Decrease	USD	4,000	4,000	3,500	3,500
MIN GSL .1 PLTS CRGS CIFNWE VS GSL (MGF)								
MGF	Spec	Mth 1	Decrease	USD	578	525	440	400
MGF	Hedge/Member	Mth 1	Decrease	USD	525	525	400	400
MGF	Spec	Mths 2-3	Decrease	USD	495	450	330	300
MGF	Hedge/Member	Mths 2-3	Decrease	USD	450	450	300	300
MGF	Spec	Mths 4+	Decrease	USD	363	330	275	250
MGF	Hedge/Member	Mths 4+	Decrease	USD	330	330	250	250
MIN JETKERO CRGOS CIF NWE VS GASOIL (MJC)								
MJC	Spec	Mnth 1	Increase	USD	605	550	660	600
MJC	Hedge/Member	Mnth 1	Increase	USD	550	550	600	600
MJC	Spec	Mnth 2	Decrease	USD	396	360	330	300
MJC	Hedge/Member	Mnth 2	Decrease	USD	360	360	300	300
MJC	Spec	Mnths 3-6	Decrease	USD	330	300	275	250
MJC	Hedge/Member	Mnths 3-6	Decrease	USD	300	300	250	250
MJC	Spec	Mnths 7+	Decrease	USD	275	250	220	200
MJC	Hedge/Member	Mnths 7+	Decrease	USD	250	250	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MIN ULSD 10PPM CRGOS CIF MED VS GSL (UCM)								
UCM	Spec	Mnth 1	Increase	USD	385	350	440	400
UCM	Hedge/Member	Mnth 1	Increase	USD	350	350	400	400
UCM	Spec	Mnth 2+	New	USD			330	300
UCM	Hedge/Member	Mnth 2+	New	USD			300	300
MIN ULSD 10PPM CRGS CIF NWE VS GSL (MGN)								
MGN	Spec	Mnth 1	Increase	USD	660	600	880	800
MGN	Hedge/Member	Mnth 1	Increase	USD	600	600	800	800
MGN	Spec	Mnths 3-4	Decrease	USD	363	330	330	300
MGN	Hedge/Member	Mnths 3-4	Decrease	USD	330	330	300	300
MINI EUR DIESEL10PPM VS ICE GS FUT (MUD)								
MUD	Spec	Mnths 1	Decrease	USD	550	500	385	350
MUD	Hedge/Member	Mnths 1	Decrease	USD	500	500	350	350
MUD	Spec	Mnths 3-6	Decrease	USD	385	350	275	250
MUD	Hedge/Member	Mnths 3-6	Decrease	USD	350	350	250	250
MUD	Spec	Mnth 2	Decrease	USD	473	430	385	350
MUD	Hedge/Member	Mnth 2	Decrease	USD	430	430	350	350
MUD	Spec	Mnths 7+	Decrease	USD	242	220	165	150
MUD	Hedge/Member	Mnths 7+	Decrease	USD	220	220	150	150
MINI GSOIL .1 PLTTS VS ICE GSOIL FU (MGB)								
MGB	Spec	Mnth 1	Decrease	USD	275	250	143	130
MGB	Hedge/Member	Mnth 1	Decrease	USD	250	250	130	130
MGB	Spec	Mnths 2-5	Decrease	USD	165	150	110	100
MGB	Hedge/Member	Mnths 2-5	Decrease	USD	150	150	100	100
MGB	Spec	Mnths 6+	Decrease	USD	110	100	77	70
MGB	Hedge/Member	Mnths 6+	Decrease	USD	100	100	70	70
MINI RBOB V. EBOB(ARGUS) NWE BRGS (MXB)								
MXB	Spec		Decrease	USD	1,650	1,500	880	800
MXB	Hedge/Member		Decrease	USD	1,500	1,500	800	800
NAPHTHA (PLTS) CARGES CIF NWE CRACK (NOB)								
NOB	Spec	Mnth 1	Decrease	USD	17,622	16,020	14,685	13,350
NOB	Hedge/Member	Mnth 1	Decrease	USD	16,020	16,020	13,350	13,350
NOB	Spec	Mnth 5+	Decrease	USD	11,748	10,680	8,811	8,010
NOB	Hedge/Member	Mnth 5+	Decrease	USD	10,680	10,680	8,010	8,010
NOB	Spec	Mnths 2-4	Decrease	USD	13,706	12,460	11,748	10,680
NOB	Hedge/Member	Mnths 2-4	Decrease	USD	12,460	12,460	10,680	10,680

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NEW YORK FUEL OIL 1% V. EURO 1% FO (NYF)								
NYF	Spec	Mnth 1	Increase	USD	1,980	1,800	2,200	2,000
NYF	Hedge/Member	Mnth 1	Increase	USD	1,800	1,800	2,000	2,000
NYF	Spec	Mnth 2	Increase	USD	908	825	1,320	1,200
NYF	Hedge/Member	Mnth 2	Increase	USD	825	825	1,200	1,200
NYF	Spec	Mnths 3+	Decrease	USD	908	825	880	800
NYF	Hedge/Member	Mnths 3+	Decrease	USD	825	825	800	800
NY HARBOR RESIDUAL FUEL CRACK FUT (ML)								
ML	Spec	Mnth 1	Increase	USD	3,300	3,000	4,400	4,000
ML	Hedge/Member	Mnth 1	Increase	USD	3,000	3,000	4,000	4,000
ML	Spec	Mnths 2+	New	USD			2,420	2,200
ML	Hedge/Member	Mnths 2+	New	USD			2,200	2,200
NY HO (PLATTS) VS NY HRBR ULSD (YH)								
YH	Spec	Mnths 1-3	Increase	USD	2,750	2,500	3,300	3,000
YH	Hedge/Member	Mnths 1-3	Increase	USD	2,500	2,500	3,000	3,000
YH	Spec	Mnths 4+	New	USD			2,200	2,000
YH	Hedge/Member	Mnths 4+	New	USD			2,000	2,000
NY JTFL (PLATTS) VS NY HRBR ULSD (1U)								
1U	Spec	Mnth 1	Increase	USD	2,475	2,250	2,530	2,300
1U	Hedge/Member	Mnth 1	Increase	USD	2,250	2,250	2,300	2,300
1U	Spec	Mnths 2+	New	USD			1,430	1,300
1U	Hedge/Member	Mnths 2+	New	USD			1,300	1,300
NY ULSD VS. NY HRBR ULSD FUT (7Y)								
7Y	Spec	Mnth 1	Increase	USD	2,420	2,200	2,860	2,600
7Y	Hedge/Member	Mnth 1	Increase	USD	2,200	2,200	2,600	2,600
7Y	Spec	Mnth 2	Increase	USD	1,375	1,250	1,650	1,500
7Y	Hedge/Member	Mnth 2	Increase	USD	1,250	1,250	1,500	1,500
7Y	Spec	Mnths 3+	New	USD			1,100	1,000
7Y	Hedge/Member	Mnths 3+	New	USD			1,000	1,000
NY1% V. GC3PREAD S (VR)								
VR	Spec	Mnth 1	Increase	USD	1,760	1,600	2,200	2,000
VR	Hedge/Member	Mnth 1	Increase	USD	1,600	1,600	2,000	2,000
VR	Spec	Mnth 2	Increase	USD	1,100	1,000	1,320	1,200
VR	Hedge/Member	Mnth 2	Increase	USD	1,000	1,000	1,200	1,200
VR	Spec	Mnths 3+	Increase	USD	770	700	1,100	1,000
VR	Hedge/Member	Mnths 3+	Increase	USD	700	700	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								
RBOB GAS VS EURO BOB OXY NWE BARGES (XER)								
XER	Spec		Decrease	USD	1,980	1,800	1,056	960
XER	Hedge/Member		Decrease	USD	1,800	1,800	960	960
RBOB GAS VS EUROBOB(ARGUS) NWE BRGS (EXR)								
EXR	Spec		Decrease	USD	16,500	15,000	8,800	8,000
EXR	Hedge/Member		Decrease	USD	15,000	15,000	8,000	8,000
RBOB GAS VS. NY HRBR ULSD FUT (RH)								
RH	Spec		Decrease	USD	2,200	2,000	1,870	1,700
RH	Hedge/Member		Decrease	USD	2,000	2,000	1,700	1,700
RBOB SPREAD (PLATTS) FUT (RI)								
RI	Spec		Decrease	USD	2,200	2,000	1,650	1,500
RI	Hedge/Member		Decrease	USD	2,000	2,000	1,500	1,500
RBOB UP-DOWN CALENDAR FUT (RV)								
RV	Spec	Mnth 1	Decrease	USD	2,750	2,500	2,420	2,200
RV	Hedge/Member	Mnth 1	Decrease	USD	2,500	2,500	2,200	2,200
RV	Spec	Mnth 2	Decrease	USD	2,475	2,250	1,650	1,500
RV	Hedge/Member	Mnth 2	Decrease	USD	2,250	2,250	1,500	1,500
RV	Spec	Mnths 3+	Decrease	USD	1,485	1,350	990	900
RV	Hedge/Member	Mnths 3+	Decrease	USD	1,350	1,350	900	900
RME BIO ARGUS RDM RED VS ICS GAS (BFR)								
BFR	Spec	Mnth 1	Decrease	USD	5,060	4,600	3,850	3,500
BFR	Hedge/Member	Mnth 1	Decrease	USD	4,600	4,600	3,500	3,500
BFR	Spec	Mnths 2+	New	USD			3,080	2,800
BFR	Hedge/Member	Mnths 2+	New	USD			2,800	2,800
SING 380 FUEL OIL VS FUEL OIL ROTDM (EVC)								
EVC	Spec	Mnth 1	Increase	USD	7,700	7,000	9,900	9,000
EVC	Hedge/Member	Mnth 1	Increase	USD	7,000	7,000	9,000	9,000
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Spec	Mnths 1	Decrease	USD	4,620	4,200	4,400	4,000
SD	Hedge/Member	Mnths 1	Decrease	USD	4,200	4,200	4,000	4,000
SD	Spec	Mnths 2-4	Increase	USD	2,860	2,600	3,080	2,800
SD	Hedge/Member	Mnths 2-4	Increase	USD	2,600	2,600	2,800	2,800
SD	Spec	Mnths 5+	Decrease	USD	1,650	1,500	1,540	1,400
SD	Hedge/Member	Mnths 5+	Decrease	USD	1,500	1,500	1,400	1,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SINGAPORE GASOIL VS ICE (GA)								
GA	Spec	Mnth 1	Decrease	USD	880	800	660	600
GA	Hedge/Member	Mnth 1	Decrease	USD	800	800	600	600
GA	Spec	Mnth 2	Decrease	USD	605	550	550	500
GA	Hedge/Member	Mnth 2	Decrease	USD	550	550	500	500
GA	Spec	Mnths 3+	Increase	USD	440	400	550	500
GA	Hedge/Member	Mnths 3+	Increase	USD	400	400	500	500
SINGAPORE JET DUBAI CRACK (KSD)								
KSD	Spec	Mnths 2+	Decrease	USD	4,400	4,000	3,300	3,000
KSD	Hedge/Member	Mnths 2+	Decrease	USD	4,000	4,000	3,000	3,000
SINGAPORE JET KERO GASOIL FUT (RK)								
RK	Spec	Mnth 1	Decrease	USD	1,375	1,250	880	800
RK	Hedge/Member	Mnth 1	Decrease	USD	1,250	1,250	800	800
RK	Spec	Mnth 2	Decrease	USD	770	700	550	500
RK	Hedge/Member	Mnth 2	Decrease	USD	700	700	500	500
SINGAPORE GASOIL 10PPM V GSOLSPD FUT (STZ)								
STZ	Spec	Mnth 1	Decrease	USD	770	700	550	500
STZ	Hedge/Member	Mnth 1	Decrease	USD	700	700	500	500
SPORE FUEL OIL 180CST 6.35 DUBAI CK (STS)								
STS	Spec	Mnth 1	Increase	USD	2,970	2,700	4,510	4,100
STS	Hedge/Member	Mnth 1	Increase	USD	2,700	2,700	4,100	4,100
STS	Spec	Mnths 2+	New	USD			2,420	2,200
STS	Hedge/Member	Mnths 2+	New	USD			2,200	2,200
SPORE FUEL OIL 180CST CRCK SPRD FUT (SFC)								
SFC	Spec	Mnth 1	Increase	USD	2,200	2,000	2,420	2,200
SFC	Hedge/Member	Mnth 1	Increase	USD	2,000	2,000	2,200	2,200
SFC	Spec	Mnths 2+	Decrease	USD	2,200	2,000	1,650	1,500
SFC	Hedge/Member	Mnths 2+	Decrease	USD	2,000	2,000	1,500	1,500
ULSD 10PPM CIF MED VS. ICE GAS (Z7)								
Z7	Spec	Mnth 1	Increase	USD	3,850	3,500	4,400	4,000
Z7	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,000	4,000
Z7	Spec	Mnth 2+	New	USD			3,300	3,000
Z7	Hedge/Member	Mnth 2+	New	USD			3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ULSD 10PPM V. ICE FUT (TP)

TP	Spec	Mnth 1	Increase	USD	6,600	6,000	8,800	8,000
TP	Hedge/Member	Mnth 1	Increase	USD	6,000	6,000	8,000	8,000
TP	Spec	Mnths 3-4	Decrease	USD	3,630	3,300	3,300	3,000
TP	Hedge/Member	Mnths 3-4	Decrease	USD	3,300	3,300	3,000	3,000

USGC UNL 87 CRACK SPREAD CAL FUT (RU)

RU	Spec	Mth 1	Decrease	USD	3,850	3,500	3,300	3,000
RU	Hedge/Member	Mth 1	Decrease	USD	3,500	3,500	3,000	3,000
RU	Spec	Mth 2 - 5	Decrease	USD	3,300	3,000	2,750	2,500
RU	Hedge/Member	Mth 2 - 5	Decrease	USD	3,000	3,000	2,500	2,500
RU	Spec	Mths 6+	Decrease	USD	3,300	3,000	2,750	2,500
RU	Hedge/Member	Mths 6+	Decrease	USD	3,000	3,000	2,500	2,500

REFINED PRODUCTS - Outright Rates

MINI SINGAPORE 380CST FUEL OIL FUT (MTS)

MTS	Spec	Mnth 1	Increase	USD	1,760	1,600	2,090	1,900
MTS	Hedge/Member	Mnth 1	Increase	USD	1,600	1,600	1,900	1,900

MINI SINGP FUEL OIL 180CST FUTURES (OF)

OF	Spec	Mnth 1	Increase	USD	1,650	1,500	2,090	1,900
OF	Hedge/Member	Mnth 1	Increase	USD	1,500	1,500	1,900	1,900

SINGAPORE 380CST FUEL OIL FUT (SE)

SE	Spec	Mnth 1	Increase	USD	17,600	16,000	20,900	19,000
SE	Hedge/Member	Mnth 1	Increase	USD	16,000	16,000	19,000	19,000

SINGAPORE FUEL 180CST CALFUT (UA)

UA	Spec	Mnth 1	Increase	USD	16,500	15,000	20,900	19,000
UA	Hedge/Member	Mnth 1	Increase	USD	15,000	15,000	19,000	19,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ERIS Flex - Intra Spreads								
10YR INTEREST RATE SWAP FUTURE ERIS vs 10YR INTEREST RATE SWAP FUTURE ERIS (10-YR INT RATE SWAP SEC COUPON)								
ZC9210	Customer Rate		New	USD	220	200	330	300
ZC9210	Clearing/Member		Increase	USD	200	200	300	300
2YR INTEREST RATE SWAP FUTURE ERIS vs 2YR INTEREST RATE SWAP FUTURE ERIS (ERIS 2-YR INT RATE SWAP SEC COUPON)								
ZA9202	Customer Rate		New	USD	138	125	165	150
ZA9202	Clearing/Member		Increase	USD	125	125	150	150
5YR INTEREST RATE SWAP FUTURE ERIS vs 5YR INTEREST RATE SWAP FUTURE ERIS (ERIS 5-YR INT RATE SWAP SEC COUPON)								
ZB9205	Customer Rate		New	USD	220	200	275	250
ZB9205	Clearing/Member		Increase	USD	200	200	250	250
ERIS Standards - Intra Spreads								
(ERIS 7-YR INT RATE SWAP (SECONDARY))								
ZC9207	Customer Rate		New	USD	220	200	275	250
ZC9207	Clearing/Member		Increase	USD	200	200	250	250
10YR INTEREST RATE SWAP FUTURE ERIS vs 10YR INTEREST RATE SWAP FUTURE ERIS (ERIS STANDARD 10Y INT RATE SWAP FUT)								
ZC9110	Customer Rate		New	USD	220	200	330	300
ZC9110	Clearing/Member		Increase	USD	200	200	300	300
2YR INTEREST RATE SWAP FUTURE ERIS vs 2YR INTEREST RATE SWAP FUTURE ERIS (ERIS STANDARD 2Y INT RATE SWAP FUTU)								
ZA9102	Customer Rate		New	USD	138	125	165	150
ZA9102	Clearing/Member		Increase	USD	125	125	150	150
5YR INTEREST RATE SWAP FUTURE ERIS vs 5YR INTEREST RATE SWAP FUTURE ERIS (ERIS STANDARD 5Y INT RATE SWAP FUTU)								
ZB9105	Customer Rate		New	USD	220	200	275	250
ZB9105	Clearing/Member		Increase	USD	200	200	250	250
ERIS 7 YR INT RATE SWAP (SECONDARY) (ERIS 7-YR INT RATE SWAP)								
ZC9107	Customer Rate		New	USD	220	200	275	250
ZC9107	Clearing/Member		Increase	USD	200	200	250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
INTEREST RATES - Intra Spreads								
10 Year Deliverable Swap Future (N1U) - All Months (10 YEAR USD INTEREST RATE SWAP)								
N1U	Spec		Increase	USD	275	250	330	300
N1U	Hedge/Member		Increase	USD	250	250	300	300
30 Year Deliverable Swap Future (B1U) - All Months (30 YEAR USD INTEREST RATE SWAP)								
B1U	Spec		Increase	USD	330	300	385	350
B1U	Hedge/Member		Increase	USD	300	300	350	350
5 Year Deliverable Swap Future (F1U) - All Months (5 YEAR USD INTEREST RATE SWAP)								
F1U	Spec		Increase	USD	220	200	275	250
F1U	Hedge/Member		Increase	USD	200	200	250	250
5 Year Treasury Note (25) - All Months (5 YR TREASURY NOTE FUTURES)								
25	Spec		Increase	USD	165	150	198	180
25	Hedge/Member		Increase	USD	150	150	180	180
Euribor (EB) - Tier 4 vs. Tier 10 [mth 13-16 vs. mth 37-40] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	358	325	440	400
EB	Hedge/Member		Increase	EUR	325	325	400	400
Euribor (EB) - Tier 4 vs. Tier 11 [mth 13-16 vs. mth 41-44] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	413	375	468	425
EB	Hedge/Member		Increase	EUR	375	375	425	425
Euribor (EB) - Tier 4 vs. Tier 8 [mth 13-16 vs. mth 29-32] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	303	275	385	350
EB	Hedge/Member		Increase	EUR	275	275	350	350
Euribor (EB) - Tier 4 vs. Tier 9 [mth 13-16 vs. mth 33-36] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	303	275	413	375
EB	Hedge/Member		Increase	EUR	275	275	375	375
Euribor (EB) - Tier 5 vs. Tier 10 [mth 17-20 vs. mth 37-40] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	275	250	440	400
EB	Hedge/Member		Increase	EUR	250	250	400	400
Euribor (EB) - Tier 5 vs. Tier 11 [mth 17-20 vs. mth 41-44] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	275	250	440	400
EB	Hedge/Member		Increase	EUR	250	250	400	400
Euribor (EB) - Tier 5 vs. Tier 7 [mth 17-20 vs. mth 25-28] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	220	200	330	300
EB	Hedge/Member		Increase	EUR	200	200	300	300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Euribor (EB) - Tier 5 vs. Tier 8 [mth 17-20 vs. mth 29-32] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	275	250	385	350
EB	Hedge/Member		Increase	EUR	250	250	350	350
Euribor (EB) - Tier 5 vs. Tier 9 [mth 17-20 vs. mth 33-36] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	275	250	413	375
EB	Hedge/Member		Increase	EUR	250	250	375	375
Euribor (EB) - Tier 6 vs. Tier 7 [mth 21-24 vs. mth 25-28] (THREE MONTH EURIBOR FUTURES)								
EB	Spec		Increase	EUR	220	200	275	250
EB	Hedge/Member		Increase	EUR	200	200	250	250
Eurodollar (ED) - 1 Year Butterfly [Mo. 05] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	248	225	314	285
ED	Hedge/Member		Increase	USD	225	225	285	285
Eurodollar (ED) - 1 Year Butterfly [Mo. 06] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	248	225	314	285
ED	Hedge/Member		Increase	USD	225	225	285	285
Eurodollar (ED) - 1 Year Butterfly [Mo. 07] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	248	225	314	285
ED	Hedge/Member		Increase	USD	225	225	285	285
Eurodollar (ED) - 1 Year Condor [Mo. 02] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	275	250	314	285
ED	Hedge/Member		Increase	USD	250	250	285	285
Eurodollar (ED) - 1 Year Condor [Mo. 03] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	352	320	451	410
ED	Hedge/Member		Increase	USD	320	320	410	410
Eurodollar (ED) - 1 Year Condor [Mo. 04] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	352	320	451	410
ED	Hedge/Member		Increase	USD	320	320	410	410
Eurodollar (ED) - 1 Year Condor [Mo. 05] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	347	315	457	415
ED	Hedge/Member		Increase	USD	315	315	415	415
Eurodollar (ED) - 1 Year Condor [Mo. 06] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	347	315	457	415
ED	Hedge/Member		Increase	USD	315	315	415	415

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Eurodollar (ED) - 3 Month Condor [Mo. 05] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	165	150	182	165
ED	Hedge/Member		Increase	USD	150	150	165	165
Eurodollar (ED) - 3 Month Condor [Mo. 06] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	165	150	193	175
ED	Hedge/Member		Increase	USD	150	150	175	175
Eurodollar (ED) - 3 Month Condor [Mo. 07] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	143	130	176	160
ED	Hedge/Member		Increase	USD	130	130	160	160
Eurodollar (ED) - 3 Month Condor [Mo. 08] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	143	130	176	160
ED	Hedge/Member		Increase	USD	130	130	160	160
Eurodollar (ED) - 6 Month Butterfly [Mo. 05] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	11	10	44	40
ED	Hedge/Member		Increase	USD	10	10	40	40
Eurodollar (ED) - 6 Month Butterfly [Mo. 06] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	33	30	72	65
ED	Hedge/Member		Increase	USD	30	30	65	65
Eurodollar (ED) - 6 Month Butterfly [Mo. 07] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	160	145	204	185
ED	Hedge/Member		Increase	USD	145	145	185	185
Eurodollar (ED) - 6 Month Butterfly [Mo. 08] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	160	145	204	185
ED	Hedge/Member		Increase	USD	145	145	185	185
Eurodollar (ED) - 6 Month Butterfly [Mo. 09] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	11	10	33	30
ED	Hedge/Member		Increase	USD	10	10	30	30
Eurodollar (ED) - 6 Month Condor [Mo. 04] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	220	200	259	235
ED	Hedge/Member		Increase	USD	200	200	235	235
Eurodollar (ED) - 6 Month Condor [Mo. 05] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	83	75	171	155
ED	Hedge/Member		Increase	USD	75	75	155	155

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Eurodollar (ED) - 6 Month Condor [Mo. 06] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	231	210	286	260
ED	Hedge/Member		Increase	USD	210	210	260	260
Eurodollar (ED) - 6 Month Condor [Mo. 07] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	105	95	154	140
ED	Hedge/Member		Increase	USD	95	95	140	140
Eurodollar (ED) - Tier 3 vs. Tier 10 [mth 09-12 vs. mth 37-40] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 3 vs. Tier 11 [mth 09-12 vs. mth 41-44] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 3 vs. Tier 5 [mth 09-12 vs. mth 17-20] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	396	360	297	270
ED	Hedge/Member		Decrease	USD	360	360	270	270
Eurodollar (ED) - Tier 3 vs. Tier 6 [mth 09-12 vs. mth 21-24] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 3 vs. Tier 7 [mth 09-12 vs. mth 25-28] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 3 vs. Tier 8 [mth 09-12 vs. mth 29-32] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 3 vs. Tier 9 [mth 09-12 vs. mth 33-36] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	369	335	270	245
ED	Hedge/Member		Decrease	USD	335	335	245	245
Eurodollar (ED) - Tier 4 vs. Tier 10 [mth 13-16 vs. mth 37-40] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	220	200	281	255
ED	Hedge/Member		Increase	USD	200	200	255	255
Eurodollar (ED) - Tier 4 vs. Tier 11 [mth 13-16 vs. mth 41-44] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	220	200	281	255
ED	Hedge/Member		Increase	USD	200	200	255	255

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Eurodollar (ED) - Tier 4 vs. Tier 5 [mth 13-16 vs. mth 17-20] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	275	250	226	205
ED	Hedge/Member		Decrease	USD	250	250	205	205
Eurodollar (ED) - Tier 4 vs. Tier 8 [mth 13-16 vs. mth 29-32] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	220	200	253	230
ED	Hedge/Member		Increase	USD	200	200	230	230
Eurodollar (ED) - Tier 4 vs. Tier 9 [mth 13-16 vs. mth 33-36] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	220	200	281	255
ED	Hedge/Member		Increase	USD	200	200	255	255
Eurodollar (ED) - Tier 5 vs. Tier 10 [mth 17-20 vs. mth 37-40] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	330	300	385	350
ED	Hedge/Member		Increase	USD	300	300	350	350
Eurodollar (ED) - Tier 5 vs. Tier 11 [mth 17-20 vs. mth 41-44] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	358	325	385	350
ED	Hedge/Member		Increase	USD	325	325	350	350
Eurodollar (ED) - Tier 5 vs. Tier 7 [mth 17-20 vs. mth 25-28] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	165	150	248	225
ED	Hedge/Member		Increase	USD	150	150	225	225
Eurodollar (ED) - Tier 5 vs. Tier 8 [mth 17-20 vs. mth 29-32] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	275	250	330	300
ED	Hedge/Member		Increase	USD	250	250	300	300
Eurodollar (ED) - Tier 5 vs. Tier 9 [mth 17-20 vs. mth 33-36] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	275	250	358	325
ED	Hedge/Member		Increase	USD	250	250	325	325
Eurodollar (ED) - Tier 6 vs. Tier 7 [mth 21-24 vs. mth 25-28] (EURODOLLAR FUTURES)								
ED	Spec		Increase	USD	165	150	193	175
ED	Hedge/Member		Increase	USD	150	150	175	175
Eurodollar (ED) - Tier 8 vs. Tier 10 [mth 29-32 vs. mth 37-40] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	165	150	138	125
ED	Hedge/Member		Decrease	USD	150	150	125	125
Eurodollar (ED) - Tier 8 vs. Tier 9 [mth 29-32 vs. mth 33-36] (EURODOLLAR FUTURES)								
ED	Spec		Decrease	USD	165	150	138	125
ED	Hedge/Member		Decrease	USD	150	150	125	125

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Fed Funds (CBOT) (41) - Tier 2 vs. Tier 5 [mth 2-4 vs. mth 25+] (30 DAY FED FUND FUTURES)

41	Spec		Increase	USD	110	100	187	170
41	Hedge/Member		Increase	USD	100	100	170	170

Fed Funds (CBOT) (41) - Tier 3 vs. Tier 5 [mth 5-12 vs. mth 25+] (30 DAY FED FUND FUTURES)

41	Spec		Increase	USD	110	100	187	170
41	Hedge/Member		Increase	USD	100	100	170	170

Fed Funds (CBOT) (41) - Tier 4 vs. Tier 5 [mth 13-24 vs. mth 25+] (30 DAY FED FUND FUTURES)

41	Spec		Increase	USD	220	200	275	250
41	Hedge/Member		Increase	USD	200	200	250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	72%	72%	80%	80%

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						
AEP-DAYTON HUB OFF-PEAK MONTHLY SWAP (NYM-VP - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CINERGY HUB OFF-PEAK CALENDAR-MONTH LMP SWAP (NYM-EJ - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Increase	+1:-1	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ISO NEW ENGLAND WEST CENTRAL MASSACHUSETTS ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-R6 - CME)						
Spread Credit Rate	Increase	+1:-11	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-H5 - CME)						
Spread Credit Rate	Decrease	+1:-11	45%	45%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO CINERGY HUB 5MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-K2 - CME)						
Spread Credit Rate	Increase	+1:-194	30%	30%	50%	50%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-4R - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
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	30%	30%	0%	0%
Spread Credit Rate	Decrease	+1:+194	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE C 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-A3 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ONTARIO OFF-PEAK CALENDAR-MONTH SWAP FUTURES (NY-OFM - CME)						
Spread Credit Rate	Increase	+1:-194	30%	30%	40%	40%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ONTARIO PEAK CALENDAR-MONTH SWAP FUTURES (NY-OPM - CME)						
Spread Credit Rate	Increase	+1:-11	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME)						
Spread Credit Rate	Decrease	+1:-11	45%	45%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM BGE ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-E3 - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM COMED ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-D9 - CME)						
Spread Credit Rate	Decrease	+1:-194	75%	75%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM COMED ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-D8 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM DPL ZONE OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-E8 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM EASTERN HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-F4 - CME)						
Spread Credit Rate	Decrease	+1:-194	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM JCPL ZONE OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-F2 - CME)						
Spread Credit Rate	Decrease	+1:-194	65%	65%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM NORTHERN ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-B6 - CME)						
Spread Credit Rate	Decrease	+1:-194	60%	60%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM NORTHERN ILLINOIS HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-L3 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-JM - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	25%	25%
Spread Credit Rate	New	+1:-1			80%	80%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PECO ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-4P - CME)						
Spread Credit Rate	Decrease	+1:-194	60%	60%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PECO ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-4N - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PEPCO ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-R8 - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PPL ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-L5 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MIDWEST ISO CINERGY HUB 5 MW PEAK CALENDAR-MONTH REAL-TIME SWAP FUTURES (NY-H3 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	-11:+1	45%	45%	30%	30%
MIDWEST ISO CINERGY HUB PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-EM - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	0%	0%	30%	30%
PJM NORTHERN ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-B6 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+194:-1	30%	30%	0%	0%
PJM OFF-PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-JP - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	25%	25%
PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP (NYM-E4 - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Decrease	+194:-1	30%	30%	0%	0%
PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	-11:+1	30%	30%	0%	0%

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						
AEP-DAYTON HUB OFF-PEAK MONTHLY SWAP (NYM-VP - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CINERGY HUB OFF-PEAK CALENDAR-MONTH LMP SWAP (NYM-EJ - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Increase	+1:-1	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ISO NEW ENGLAND WEST CENTRAL MASSACHUSETTS ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-R6 - CME)						
Spread Credit Rate	Increase	+1:-11	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO CINERGY HUB 5 MW PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-H5 - CME)						
Spread Credit Rate	Decrease	+1:-11	45%	45%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO CINERGY HUB 5MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-K2 - CME)						
Spread Credit Rate	Increase	+1:-194	30%	30%	50%	50%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs MIDWEST ISO ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES (NY-4R - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
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	30%	30%	0%	0%
Spread Credit Rate	Decrease	+1:+194	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE C 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-A3 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ONTARIO OFF-PEAK CALENDAR-MONTH SWAP FUTURES (NY-OFM - CME)						
Spread Credit Rate	Increase	+1:-194	30%	30%	40%	40%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs ONTARIO PEAK CALENDAR-MONTH SWAP FUTURES (NY-OPM - CME)						
Spread Credit Rate	Increase	+1:-11	0%	0%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME)						
Spread Credit Rate	Decrease	+1:-11	45%	45%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM BGE ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-E3 - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM COMED ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-D9 - CME)						
Spread Credit Rate	Decrease	+1:-194	75%	75%	30%	30%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM COMED ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-D8 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM DPL ZONE OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-E8 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM EASTERN HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-F4 - CME)						
Spread Credit Rate	Decrease	+1:-194	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM JCPL ZONE OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-F2 - CME)						
Spread Credit Rate	Decrease	+1:-194	65%	65%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM NORTHERN ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-B6 - CME)						
Spread Credit Rate	Decrease	+1:-194	60%	60%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM NORTHERN ILLINOIS HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-L3 - CME)						
Spread Credit Rate	Decrease	+1:-194	30%	30%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-JM - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	25%	25%
Spread Credit Rate	New	+1:-1			80%	80%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PECO ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-4P - CME)						
Spread Credit Rate	Decrease	+1:-194	60%	60%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PECO ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-4N - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PEPCO ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-R8 - CME)						
Spread Credit Rate	Decrease	+1:-11	55%	55%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM PPL ZONE PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP FUTURES (NY-L5 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME)						
Spread Credit Rate	Decrease	+1:-11	50%	50%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MIDWEST ISO CINERGY HUB 5 MW PEAK CALENDAR-MONTH REAL-TIME SWAP FUTURES (NY-H3 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	-11:+1	45%	45%	30%	30%
MIDWEST ISO CINERGY HUB PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-EM - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	0%	0%	30%	30%
PJM NORTHERN ILLINOIS HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-B6 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+194:-1	30%	30%	0%	0%
PJM OFF-PEAK CALENDAR-MONTH LMP SWAP FUTURES (NY-JP - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	25%	25%
PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH DAY-AHEAD LMP SWAP (NYM-E4 - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Decrease	+194:-1	30%	30%	0%	0%
PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Decrease	-11:+1	30%	30%	0%	0%

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						
WTI CRUDE OIL 1 MONTH CSO (7A, A2) - SOM						
Clearing Member Rate		Decrease	16.500	15.000	11.000	10.000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
CRUDE OIL - Volatility Scan (volScan) Rate						
BRENT (ICE) CALENDAR SWAP FUTURES (BA, CY, IBS) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.100		0.080
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
Clearing Member Rate	Mnth 5-10	Decrease		0.030		0.020
Clearing Member Rate	Mnth 11-16	Decrease		0.020		0.015
Clearing Member Rate	Mnth 17-22	Decrease		0.020		0.015
Clearing Member Rate	Mnth 23+	Decrease		0.020		0.015
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (BB, BE, BZ, BZL, BZS, BZT, IBS, OS) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.100		0.080
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
Clearing Member Rate	Mnth 5-10	Decrease		0.030		0.020
Clearing Member Rate	Mnth 11-16	Decrease		0.020		0.015
Clearing Member Rate	Mnth 17-22	Decrease		0.020		0.015
Clearing Member Rate	Mnth 23+	Decrease		0.020		0.015
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (BB, BBT, MBZ, ODB, SBB) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.100		0.080
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
Clearing Member Rate	Mnth 5-10	Decrease		0.030		0.020
Clearing Member Rate	Mnth 11-16	Decrease		0.020		0.015
Clearing Member Rate	Mnth 17-22	Decrease		0.020		0.015
Clearing Member Rate	Mnth 23+	Decrease		0.020		0.015
CRUDE OIL FINANCIAL FUTURES (MCL, QM, WS) - volScan						
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
CRUDE OIL LAST DAY FINANCIAL FUTURES (26, S26) - volScan						
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
LIGHT SWEET CRUDE OIL FUTURES (C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, CD, CL, CLL, CLS, CLT, LC, LO, XC, XCT) - volScan						
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030
WTI CALENDAR SWAP FUTURES (AO, CS) - volScan						
Clearing Member Rate	Mnth 2-4	Decrease		0.040		0.030

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL SPREADS - Volatility Scan (volScan) Rate

WTI-BRENT (ICE) BULLET SWAP FUTURES (BV, BY) - volScan

Clearing Member Rate	Mnth 1	Decrease		30.000%		25.000%
Clearing Member Rate	Mnths 2-4	Decrease		15.000%		10.000%
Clearing Member Rate	Mnths 5-8	Decrease		10.000%		6.000%
Clearing Member Rate	Mnths 9-12	Decrease		10.000%		6.000%
Clearing Member Rate	Mnth 13+	Decrease		10.000%		6.000%

WTI-BRENT (ICE) CALENDAR SWAP FUTURES (BK) - volScan

Clearing Member Rate	Mnth 1	Decrease		30.000%		25.000%
Clearing Member Rate	Mnth 2-4	Decrease		20.000%		10.000%
Clearing Member Rate	Mnth 5-8	Decrease		20.000%		6.000%
Clearing Member Rate	Mnth 9-12	Decrease		18.000%		6.000%
Clearing Member Rate	Mnth 13+	Decrease		15.000%		6.000%

ELECTRICITY - Volatility Scan (volScan) Rate

CAISO NP15 EZ GEN HUB 5 MW OFF-PEAK CALENDAR-DAY REAL-TIME LMP SWAP FUTURES (2J) - volScan

Clearing Member Rate	Increase		0.025		0.050
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CAISO NP15 EZ GEN HUB 5 MW PEAK CALENDAR-DAY REAL-TIME LMP SWAP FUTURES (2F) - volScan

Clearing Member Rate	Increase		0.025		0.050
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CAISO SP15 EZ GEN HUB 5 MW OFF-PEAK CALENDAR-DAY REAL-TIME LMP SWAP FUTURES (2K) - volScan

Clearing Member Rate	Increase		0.025		0.050
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CAISO SP15 EZ GEN HUB 5 MW PEAK CALENDAR-DAY REAL-TIME LMP SWAP FUTURES (2H) - volScan

Clearing Member Rate	Increase		0.025		0.050
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