



12-460

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, October 25, 2012

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Tuesday, October 30, 2012.

Current rates as of:

Thursday, October 25, 2012.

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								
AER-DAYTON HUB MONTHLY (VM)								
VM	Spec	Mnth 1	Decrease	USD	6,325	5,750	4,950	4,500
VM	Hedge/Member	Mnth 1	Decrease	USD	5,750	5,750	4,500	4,500
VM	Spec	Mnth 2	Decrease	USD	2,750	2,500	2,200	2,000
VM	Hedge/Member	Mnth 2	Decrease	USD	2,500	2,500	2,000	2,000
VM	Spec	Mnths 3-11	Decrease	USD	2,200	2,000	1,925	1,750
VM	Hedge/Member	Mnths 3-11	Decrease	USD	2,000	2,000	1,750	1,750
VM	Spec	Mnths 12+	Decrease	USD	1,375	1,250	1,210	1,100
VM	Hedge/Member	Mnths 12+	Decrease	USD	1,250	1,250	1,100	1,100
ISO NEW ENGLAND OFF-PEAK LMP FUT (KI)								
KI	Spec	Mnth 2	Increase	USD	2,750	2,500	3,850	3,500
KI	Hedge/Member	Mnth 2	Increase	USD	2,500	2,500	3,500	3,500
KI	Spec	Mnths 3-11	Increase	USD	2,200	2,000	2,750	2,500
KI	Hedge/Member	Mnths 3-11	Increase	USD	2,000	2,000	2,500	2,500
ISO NEW ENGLAND PEAK LMP FUT (NI)								
NI	Spec	Mnth 2	Increase	USD	3,850	3,500	4,400	4,000
NI	Hedge/Member	Mnth 2	Increase	USD	3,500	3,500	4,000	4,000
NI	Spec	Mnths 3-11	Increase	USD	2,200	2,000	2,750	2,500
NI	Hedge/Member	Mnths 3-11	Increase	USD	2,000	2,000	2,500	2,500
NI	Spec	Mnths 12+	Increase	USD	1,650	1,500	2,200	2,000
NI	Hedge/Member	Mnths 12+	Increase	USD	1,500	1,500	2,000	2,000
MDWST ISO IND. HUB 5MW PK CAL-MO RT (PTM)								
PTM	Spec	Mnth 1	Decrease	USD	495	450	413	375
PTM	Hedge/Member	Mnth 1	Decrease	USD	450	450	375	375
PTM	Spec	Mnth 2	Decrease	USD	413	375	330	300
PTM	Hedge/Member	Mnth 2	Decrease	USD	375	375	300	300
PTM	Spec	Mnths 12+	Decrease	USD	165	150	110	100
PTM	Hedge/Member	Mnths 12+	Decrease	USD	150	150	100	100
MISO INDIANA HUB OFF-PEAK MO FUT (EJ)								
EJ	Spec	Mnths 3-11	Increase	USD	990	900	1,210	1,100
EJ	Hedge/Member	Mnths 3-11	Increase	USD	900	900	1,100	1,100
NORTHERN ILLINOIS HUB MONTHLY (UM)								
UM	Spec	Mnths 3-11	Decrease	USD	2,200	2,000	1,925	1,750
UM	Hedge/Member	Mnths 3-11	Decrease	USD	2,000	2,000	1,750	1,750
NORTHERN ILLINOIS OFF-PEAK MONTHLY (UO)								
UO	Spec	Mnths 12+	Decrease	USD	1,650	1,500	1,210	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
UO	Hedge/Member	Mnths 12+	Decrease	USD	1,500	1,500	1,100	1,100
NYISO A OFF-PEAK (KB)								
KB	Spec	Mnth 1	Decrease	USD	3,025	2,750	2,200	2,000
KB	Hedge/Member	Mnth 1	Decrease	USD	2,750	2,750	2,000	2,000
KB	Spec	Mnth 2	Decrease	USD	3,025	2,750	2,200	2,000
KB	Hedge/Member	Mnth 2	Decrease	USD	2,750	2,750	2,000	2,000
NYISO G (KG)								
KG	Spec	Mnths 3-11	Increase	USD	825	750	1,100	1,000
KG	Hedge/Member	Mnths 3-11	Increase	USD	750	750	1,000	1,000
KG	Spec	Mnths 12+	Increase	USD	825	750	1,100	1,000
KG	Hedge/Member	Mnths 12+	Increase	USD	750	750	1,000	1,000
NYISO J (KJ)								
KJ	Spec	Mnth 1	Decrease	USD	2,475	2,250	1,925	1,750
KJ	Hedge/Member	Mnth 1	Decrease	USD	2,250	2,250	1,750	1,750
KJ	Spec	Mnth 2	Decrease	USD	2,200	2,000	1,650	1,500
KJ	Hedge/Member	Mnth 2	Decrease	USD	2,000	2,000	1,500	1,500
NYISO REST OF STATE CAPACITY CAL MO (NRS)								
NRS	Spec	Mnths 2+	Increase	USD	3,850	3,500	4,400	4,000
NRS	Hedge/Member	Mnths 2+	Increase	USD	3,500	3,500	4,000	4,000
NYISO ZONE F 5MW PK FUT (4L)								
4L	Spec	Mnths 3-11	Increase	USD	165	150	220	200
4L	Hedge/Member	Mnths 3-11	Increase	USD	150	150	200	200
NYISO ZONE G 5MW D AH PK (T3)								
T3	Spec	Mnths 3-11	Increase	USD	165	150	220	200
T3	Hedge/Member	Mnths 3-11	Increase	USD	150	150	200	200
T3	Spec	Mnths 12+	Increase	USD	165	150	220	200
T3	Hedge/Member	Mnths 12+	Increase	USD	150	150	200	200
NYISO ZONE J 5MW D AH PK (D3)								
D3	Spec	Mnth 1	Decrease	USD	495	450	385	350
D3	Hedge/Member	Mnth 1	Decrease	USD	450	450	350	350
D3	Spec	Mnth 2	Decrease	USD	440	400	330	300
D3	Hedge/Member	Mnth 2	Decrease	USD	400	400	300	300
ONTARIO PEAK CAL-DAY FUTURES (OPD)								
OPD	Spec		Decrease	CAD	5,280	4,800	3,850	3,500
OPD	Hedge/Member		Decrease	CAD	4,800	4,800	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PJM AD HUB 5MW REAL TIME PK (Z9)								
Z9	Spec	Mnth 1	Decrease	USD	660	600	495	450
Z9	Hedge/Member	Mnth 1	Decrease	USD	600	600	450	450
Z9	Spec	Mnth 2	Decrease	USD	330	300	275	250
Z9	Hedge/Member	Mnth 2	Decrease	USD	300	300	250	250
PJM AECO DA PEAK (Y1)								
Y1	Spec	Mnth 1	Decrease	USD	660	600	550	500
Y1	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
Y1	Spec	Mnth 2	Decrease	USD	385	350	330	300
Y1	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
PJM APS ZONE DA PEAK (S4)								
S4	Spec	Mnth 1	Decrease	USD	660	600	440	400
S4	Hedge/Member	Mnth 1	Decrease	USD	600	600	400	400
S4	Spec	Mnth 2	Decrease	USD	440	400	385	350
S4	Hedge/Member	Mnth 2	Decrease	USD	400	400	350	350
PJM BGE DA PEAK (E3)								
E3	Spec	Mnth 1	Decrease	USD	660	600	550	500
E3	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
E3	Spec	Mnth 2	Decrease	USD	385	350	330	300
E3	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
PJM COMED 5MW D AH O PK (D9)								
D9	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
D9	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
D9	Spec	Mnths 12+	Decrease	USD	17	15	11	10
D9	Hedge/Member	Mnths 12+	Decrease	USD	15	15	10	10
PJM COMED 5MW D AH PK (D8)								
D8	Spec	Mnth 1	Decrease	USD	660	600	495	450
D8	Hedge/Member	Mnth 1	Decrease	USD	600	600	450	450
D8	Spec	Mnth 2	Decrease	USD	385	350	275	250
D8	Hedge/Member	Mnth 2	Decrease	USD	350	350	250	250
D8	Spec	Mnths 3-11	Decrease	USD	220	200	165	150
D8	Hedge/Member	Mnths 3-11	Decrease	USD	200	200	150	150
PJM DAYTON DA OFF-PEAK (R7)								
R7	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
R7	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
R7	Spec	Mnths 12+	Decrease	USD	17	15	11	10
R7	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
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Outright Rates

PJM DAYTON DA PEAK (D7)

D7	Spec	Mnth 1	Decrease	USD	660	600	550	500
D7	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
D7	Spec	Mnth 2	Decrease	USD	275	250	220	200
D7	Hedge/Member	Mnth 2	Decrease	USD	250	250	200	200
D7	Spec	Mnths 12+	Decrease	USD	138	125	110	100
D7	Hedge/Member	Mnths 12+	Decrease	USD	125	125	100	100

PJM DPL DA PEAK (L8)

L8	Spec	Mnth 1	Decrease	USD	770	700	605	550
L8	Hedge/Member	Mnth 1	Decrease	USD	700	700	550	550
L8	Spec	Mnth 2	Decrease	USD	385	350	330	300
L8	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
L8	Spec	Mnths 3-11	Decrease	USD	330	300	275	250
L8	Hedge/Member	Mnths 3-11	Decrease	USD	300	300	250	250
L8	Spec	Mnths 12+	Decrease	USD	330	300	275	250
L8	Hedge/Member	Mnths 12+	Decrease	USD	300	300	250	250

PJM DUQUESNE 5MW D AH PK (D5)

D5	Spec	Mnth 2	Decrease	USD	303	275	220	200
D5	Hedge/Member	Mnth 2	Decrease	USD	275	275	200	200
D5	Spec	Mnths 12+	Decrease	USD	165	150	110	100
D5	Hedge/Member	Mnths 12+	Decrease	USD	150	150	100	100

PJM DUQUS 5MW D AH O PK (D6)

D6	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
D6	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
D6	Spec	Mnths 12+	Decrease	USD	17	15	11	10
D6	Hedge/Member	Mnths 12+	Decrease	USD	15	15	10	10

PJM JCPL DA PEAK (J2)

J2	Spec	Mnth 1	Decrease	USD	660	600	550	500
J2	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
J2	Spec	Mnth 2	Decrease	USD	385	350	330	300
J2	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PJM METED ZONE PK CAL LMP FUTURES (47)								
47	Spec	Mnth 1	Decrease	USD	660	600	495	450
47	Hedge/Member	Mnth 1	Decrease	USD	600	600	450	450
47	Spec	Mnth 2	Decrease	USD	385	350	330	300
47	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
47	Spec	Mnths 3-11	Decrease	USD	330	300	220	200
47	Hedge/Member	Mnths 3-11	Decrease	USD	300	300	200	200
47	Spec	Mnths 12+	Decrease	USD	330	300	220	200
47	Hedge/Member	Mnths 12+	Decrease	USD	300	300	200	200
PJM MONTHLY (JM)								
JM	Spec	Mnth 1	Decrease	USD	7,150	6,500	5,500	5,000
JM	Hedge/Member	Mnth 1	Decrease	USD	6,500	6,500	5,000	5,000
JM	Spec	Mnth 2	Decrease	USD	3,850	3,500	2,750	2,500
JM	Hedge/Member	Mnth 2	Decrease	USD	3,500	3,500	2,500	2,500
JM	Spec	Mnths 3-11	Decrease	USD	1,650	1,500	1,485	1,350
JM	Hedge/Member	Mnths 3-11	Decrease	USD	1,500	1,500	1,350	1,350
JM	Spec	Mnths 12-23	Decrease	USD	1,650	1,500	1,485	1,350
JM	Hedge/Member	Mnths 12-23	Decrease	USD	1,500	1,500	1,350	1,350
JM	Spec	Mnths 24+	Decrease	USD	1,650	1,500	1,210	1,100
JM	Hedge/Member	Mnths 24+	Decrease	USD	1,500	1,500	1,100	1,100
PJM NI HUB 5MW REAL TIME O PK (B6)								
B6	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
B6	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
B6	Spec	Mnths 12+	Decrease	USD	17	15	11	10
B6	Hedge/Member	Mnths 12+	Decrease	USD	15	15	10	10
PJM NI HUB 5MW REAL TIME PK (B3)								
B3	Spec	Mnth 1	Decrease	USD	660	600	495	450
B3	Hedge/Member	Mnth 1	Decrease	USD	600	600	450	450
B3	Spec	Mnth 2	Decrease	USD	303	275	220	200
B3	Hedge/Member	Mnth 2	Decrease	USD	275	275	200	200
B3	Spec	Mnths 12+	Decrease	USD	165	150	110	100
B3	Hedge/Member	Mnths 12+	Decrease	USD	150	150	100	100
PJM NILL DA OFF-PEAK (L3)								
L3	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
L3	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
L3	Spec	Mnths 12+	Decrease	USD	17	15	11	10
L3	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 NILL DA PEAK (N3)								
N3	Spec	Mnths 12+	Decrease	USD	165	150	110	100
N3	Hedge/Member	Mnths 12+	Decrease	USD	150	150	100	100
PJM OFF-PEAK LMP FUT (JP)								
JP	Spec	Mnth 1	Decrease	USD	3,300	3,000	2,750	2,500
JP	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,500	2,500
PJM PECO Z5 MW PK CLM DA LMP (4N)								
4N	Spec	Mnth 1	Decrease	USD	660	600	495	450
4N	Hedge/Member	Mnth 1	Decrease	USD	600	600	450	450
4N	Spec	Mnth 2	Decrease	USD	440	400	330	300
4N	Hedge/Member	Mnth 2	Decrease	USD	400	400	300	300
4N	Spec	Mnths 3-11	Decrease	USD	330	300	275	250
4N	Hedge/Member	Mnths 3-11	Decrease	USD	300	300	250	250
4N	Spec	Mnths 12+	Decrease	USD	330	300	275	250
4N	Hedge/Member	Mnths 12+	Decrease	USD	300	300	250	250
PJM PENELEC ZONE PK CAL LMP FUT (49)								
49	Spec	Mnth 1	Decrease	USD	660	600	440	400
49	Hedge/Member	Mnth 1	Decrease	USD	600	600	400	400
49	Spec	Mnth 2	Decrease	USD	385	350	330	300
49	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
PJM PEPCO DA PEAK (R8)								
R8	Spec	Mnth 1	Decrease	USD	660	600	550	500
R8	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
R8	Spec	Mnth 2	Decrease	USD	385	350	330	300
R8	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
PJM PPL DA PEAK (L5)								
L5	Spec	Mnth 1	Decrease	USD	660	600	550	500
L5	Hedge/Member	Mnth 1	Decrease	USD	600	600	500	500
L5	Spec	Mnth 2	Decrease	USD	385	350	330	300
L5	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300
PJM PSEG DA PEAK (L6)								
L6	Spec	Mnth 1	Decrease	USD	715	650	550	500
L6	Hedge/Member	Mnth 1	Decrease	USD	650	650	500	500
L6	Spec	Mnth 2	Decrease	USD	385	350	330	300
L6	Hedge/Member	Mnth 2	Decrease	USD	350	350	300	300

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

PJM WES HUB PEAK CAL MON REAL TIME (L1)

L1	Spec	Mnth 2	Decrease	USD	385	350	275	250
L1	Hedge/Member	Mnth 2	Decrease	USD	350	350	250	250

PJM WES HUB PEAK LMP 50 MW (4S)

4S	Spec	Mnth 2	Decrease	USD	3,850	3,500	2,750	2,500
4S	Hedge/Member	Mnth 2	Decrease	USD	3,500	3,500	2,500	2,500

PJM WESTHDA PEAK (J4)

J4	Spec	Mnth 1	Decrease	USD	825	750	660	600
J4	Hedge/Member	Mnth 1	Decrease	USD	750	750	600	600
J4	Spec	Mnths 3-11	Decrease	USD	220	200	193	175
J4	Hedge/Member	Mnths 3-11	Decrease	USD	200	200	175	175
J4	Spec	Mnths 12+	Decrease	USD	220	200	193	175
J4	Hedge/Member	Mnths 12+	Decrease	USD	200	200	175	175

ETHANOL - Outright Rates

CHICAGO ETHANOL FUT (CU)

CU	Spec	Mth 1	Decrease	USD	5,500	5,000	5,225	4,750
CU	Hedge/Member	Mth 1	Decrease	USD	5,000	5,000	4,750	4,750
CU	Spec	Mths 2-7	Decrease	USD	5,500	5,000	5,225	4,750
CU	Hedge/Member	Mths 2-7	Decrease	USD	5,000	5,000	4,750	4,750
CU	Spec	Mth 8+	Decrease	USD	5,500	5,000	5,225	4,750
CU	Hedge/Member	Mth 8+	Decrease	USD	5,000	5,000	4,750	4,750

ETHANOL(PL) T2 FOB RTRDM INCL (Z1)

Z1	Spec		Increase	EUR	2,475	2,250	3,025	2,750
Z1	Hedge/Member		Increase	EUR	2,250	2,250	2,750	2,750

NYMEX ETHANOL PHYSICAL (QE)

QE	Spec	Mnths 7+	Increase	USD	4,400	4,000	5,500	5,000
QE	Hedge/Member	Mnths 7+	Increase	USD	4,000	4,000	5,000	5,000

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								
ALGONQUIN CITYGATES BASIS (B4)								
B4	Spec	Mnth 1	Increase	USD	990	900	1,650	1,500
B4	Hedge/Member	Mnth 1	Increase	USD	900	900	1,500	1,500
B4	Spec	Mnth 2	Increase	USD	990	900	1,650	1,500
B4	Hedge/Member	Mnth 2	Increase	USD	900	900	1,500	1,500
B4	Spec	Winter 2013	Increase	USD	715	650	1,100	1,000
B4	Hedge/Member	Winter 2013	Increase	USD	650	650	1,000	1,000
FLORIDA GAS ZONE3 BASIS FUT (FP)								
FP	Spec	Mnth 1	Increase	USD	110	100	138	125
FP	Hedge/Member	Mnth 1	Increase	USD	100	100	125	125
FP	Spec	Mnth 2	Increase	USD	110	100	138	125
FP	Hedge/Member	Mnth 2	Increase	USD	100	100	125	125
FP	Spec	Mnths 3-6	Increase	USD	55	50	83	75
FP	Hedge/Member	Mnths 3-6	Increase	USD	50	50	75	75
FP	Spec	Mnths 7-12	Increase	USD	55	50	83	75
FP	Hedge/Member	Mnths 7-12	Increase	USD	50	50	75	75
FP	Spec	Mnths 13+	Increase	USD	55	50	83	75
FP	Hedge/Member	Mnths 13+	Increase	USD	50	50	75	75
NGPL STX NAT GAS INDEX FUT (N6)								
N6	Spec	Mnth 1-2	Decrease	USD	880	800	660	600
N6	Hedge/Member	Mnth 1-2	Decrease	USD	800	800	600	600
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Increase	USD	165	150	275	250
NR	Hedge/Member	Mnth 1	Increase	USD	150	150	250	250
NR	Spec	Mnths 2-6	Increase	USD	138	125	248	225
NR	Hedge/Member	Mnths 2-6	Increase	USD	125	125	225	225
NR	Spec	Mnth 7-9	Increase	USD	110	100	220	200
NR	Hedge/Member	Mnth 7-9	Increase	USD	100	100	200	200
NR	Spec	Mnth 10-16	Increase	USD	110	100	220	200
NR	Hedge/Member	Mnth 10-16	Increase	USD	100	100	200	200
NR	Spec	Mnth 17+	Increase	USD	110	100	220	200
NR	Hedge/Member	Mnth 17+	Increase	USD	100	100	200	200
SOUTH STAR TEX OKLHM KNS NG B (8Z)								
8Z	Spec	Mnth 1	Increase	USD	110	100	165	150
8Z	Hedge/Member	Mnth 1	Increase	USD	100	100	150	150
8Z	Spec	Mnths 2+	Increase	USD	110	100	165	150
8Z	Hedge/Member	Mnths 2+	Increase	USD	100	100	150	150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TCO BASIS FUT (TC)								
TC	Spec	Mnth 1	Increase	USD	110	100	165	150
TC	Hedge/Member	Mnth 1	Increase	USD	100	100	150	150
TC	Spec	Mnths 2+	Increase	USD	110	100	165	150
TC	Hedge/Member	Mnths 2+	Increase	USD	100	100	150	150
TEXAS GAS ZONE SL BASIS FUT (TB)								
TB	Spec	Mth 1	Increase	USD	165	150	220	200
TB	Hedge/Member	Mth 1	Increase	USD	150	150	200	200
TB	Spec	Mths 2+	Increase	USD	110	100	165	150
TB	Hedge/Member	Mths 2+	Increase	USD	100	100	150	150
TEXAS GAS ZONE1 NG BASIS (9F)								
9F	Spec	Mnth 1	Increase	USD	55	50	220	200
9F	Hedge/Member	Mnth 1	Increase	USD	50	50	200	200
9F	Spec	Mnths 2+	Increase	USD	55	50	220	200
9F	Hedge/Member	Mnths 2+	Increase	USD	50	50	200	200
TRANSCO ZONE 1 NG BASIS (8E)								
8E	Spec	Mnth 1	Increase	USD	110	100	220	200
8E	Hedge/Member	Mnth 1	Increase	USD	100	100	200	200
8E	Spec	Mnths 2+	Increase	USD	110	100	220	200
8E	Hedge/Member	Mnths 2+	Increase	USD	100	100	200	200
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Mnth 2	Increase	USD	770	700	1,210	1,100
NZ	Hedge/Member	Mnth 2	Increase	USD	700	700	1,100	1,100
NZ	Spec	Winter 2013	Increase	USD	495	450	660	600
NZ	Hedge/Member	Winter 2013	Increase	USD	450	450	600	600
NZ	Spec	Nov 2013+	Increase	USD	660	600	990	900
NZ	Hedge/Member	Nov 2013+	Increase	USD	600	600	900	900
TRUNKLINE, LA BASIS FUT (NU)								
NU	Spec	Mnth 1	Increase	USD	83	75	165	150
NU	Hedge/Member	Mnth 1	Increase	USD	75	75	150	150
NU	Spec	Mnths 2+	Increase	USD	55	50	110	100
NU	Hedge/Member	Mnths 2+	Increase	USD	50	50	100	100

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	Mnths 1-2	Increase	USD	165	150	220	200
PF	Hedge/Member	Mnths 1-2	Increase	USD	150	150	200	200
PF	Spec	Mnths 3-5	Increase	USD	83	75	110	100
PF	Hedge/Member	Mnths 3-5	Increase	USD	75	75	100	100
PF	Spec	Mnths 6+	Increase	USD	83	75	110	100
PF	Hedge/Member	Mnths 6+	Increase	USD	75	75	100	100

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								
ARGUS PROPAN FAR EST INDEX FUT (7E)								
7E	Spec		Decrease	USD	77,000	70,000	66,000	60,000
7E	Hedge/Member		Decrease	USD	70,000	70,000	60,000	60,000
ARGUS PROPAN(SAUDI ARAMCO) FUT (9N)								
9N	Spec		Decrease	USD	82,500	75,000	66,000	60,000
9N	Hedge/Member		Decrease	USD	75,000	75,000	60,000	60,000
BUTANE 5 DECIMAL (D0)								
D0	Spec	Mth 1	Decrease	USD	5,500	5,000	4,400	4,000
D0	Hedge/Member	Mth 1	Decrease	USD	5,000	5,000	4,000	4,000
D0	Spec	Mth 2+	Decrease	USD	5,500	5,000	4,400	4,000
D0	Hedge/Member	Mth 2+	Decrease	USD	5,000	5,000	4,000	4,000
CONWAY NAT GASOLINE FUT (8L)								
8L	Spec		Decrease	USD	9,350	8,500	6,600	6,000
8L	Hedge/Member		Decrease	USD	8,500	8,500	6,000	6,000
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Spec		Decrease	USD	3,575	3,250	3,025	2,750
8K	Hedge/Member		Decrease	USD	3,250	3,250	2,750	2,750
HDPE HIGH DEN POLYETHYLENE CAL FUT (HPE)								
HPE	Spec		Decrease	USD	1,650	1,500	1,375	1,250
HPE	Hedge/Member		Decrease	USD	1,500	1,500	1,250	1,250
LLDPE LI LW DSTY POLYETHYLENE FUT (LPE)								
LPE	Spec		Decrease	USD	1,870	1,700	1,375	1,250
LPE	Hedge/Member		Decrease	USD	1,700	1,700	1,250	1,250
MIN ARGUS PROPANE SAUDI ARAMCO FUT (MAS)								
MAS	Spec		Decrease	USD	8,250	7,500	6,600	6,000
MAS	Hedge/Member		Decrease	USD	7,500	7,500	6,000	6,000
MINI ARGUS PROPANE FAR EAST IDX (MAE)								
MAE	Spec		Decrease	USD	7,700	7,000	6,600	6,000
MAE	Hedge/Member		Decrease	USD	7,000	7,000	6,000	6,000
MONT BELVIEU NAT GAS (OPIS) FUT (W3)								
W3	Spec	Mth 1	Decrease	USD	6,050	5,500	5,225	4,750
W3	Hedge/Member	Mth 1	Decrease	USD	5,500	5,500	4,750	4,750
W3	Spec	Mth 2+	Decrease	USD	6,050	5,500	5,225	4,750
W3	Hedge/Member	Mth 2+	Decrease	USD	5,500	5,500	4,750	4,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MT BELVIEU ETHYLENE IN-WELL(PCW) (MBE)								
MBE	Spec		Decrease	USD	6,050	5,500	3,850	3,500
MBE	Hedge/Member		Decrease	USD	5,500	5,500	3,500	3,500
MT BELVIEU ISO BUTANE 5 DEC. S (8I)								
8I	Spec		Decrease	USD	5,500	5,000	4,730	4,300
8I	Hedge/Member		Decrease	USD	5,000	5,000	4,300	4,300
MT BELVIEU NAT GAS 5 D. OPIS (7Q)								
7Q	Spec	Mth 1	Decrease	USD	6,050	5,500	5,225	4,750
7Q	Hedge/Member	Mth 1	Decrease	USD	5,500	5,500	4,750	4,750
7Q	Spec	Mth 2+	Decrease	USD	6,050	5,500	5,225	4,750
7Q	Hedge/Member	Mth 2+	Decrease	USD	5,500	5,500	4,750	4,750
MT BELVIEU NORMAL BUTANE LDH(OPIS) (MNB)								
MNB	Spec		Decrease	USD	6,050	5,500	4,950	4,500
MNB	Hedge/Member		Decrease	USD	5,500	5,500	4,500	4,500
MT. BELVIEU ETHYLENE(PCW) FIN FUT (MBN)								
MBN	Spec		Decrease	USD	5,830	5,300	4,620	4,200
MBN	Hedge/Member		Decrease	USD	5,300	5,300	4,200	4,200
MT. BELVIEU MINI LDH PROPANE FUT (81)								
81	Spec	Mth 1	Decrease	USD	358	325	275	250
81	Hedge/Member	Mth 1	Decrease	USD	325	325	250	250
81	Spec	Mth 2+	Decrease	USD	358	325	275	250
81	Hedge/Member	Mth 2+	Decrease	USD	325	325	250	250
PGP POLYMER GRD PROPYLENE CAL FUT (PGP)								
PGP	Spec		Increase	USD	7,700	7,000	9,900	9,000
PGP	Hedge/Member		Increase	USD	7,000	7,000	9,000	9,000
POLYPROPYLENE FUTURES (P1)								
P1	Spec		Decrease	USD	4,125	3,750	2,090	1,900
P1	Hedge/Member		Decrease	USD	3,750	3,750	1,900	1,900
PP POLYPROPYLENE(PCW) CAL FUT (PPP)								
PPP	Spec		Increase	USD	1,650	1,500	2,090	1,900
PPP	Hedge/Member		Increase	USD	1,500	1,500	1,900	1,900
PROPANE 5 DECIMAL (B0)								
B0	Spec	Mth 1	Decrease	USD	3,575	3,250	2,750	2,500
B0	Hedge/Member	Mth 1	Decrease	USD	3,250	3,250	2,500	2,500
B0	Spec	Mth 2+	Decrease	USD	3,575	3,250	2,750	2,500
B0	Hedge/Member	Mth 2+	Decrease	USD	3,250	3,250	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								
PROPANE NON LDH MT BELVIEU (1R)								
1R	Spec		Decrease	USD	3,300	3,000	2,310	2,100
1R	Hedge/Member		Decrease	USD	3,000	3,000	2,100	2,100
PETROLEUM CRACKS AND SPREADS - Outright Rates								
EUR1%FUEL OIL CARG FOB MED V FOBNWE (ENS)								
ENS	Spec	Mth 1	Increase	USD	5,500	5,000	7,700	7,000
ENS	Hedge/Member	Mth 1	Increase	USD	5,000	5,000	7,000	7,000
ENS	Spec	Mths 2+	New	USD			5,500	5,000
ENS	Hedge/Member	Mths 2+	New	USD			5,000	5,000
GASOIL 0.1 RDAM BRGS V. ICE (WQ)								
WQ	Spec	Mnth 1	Increase	USD	1,540	1,400	2,200	2,000
WQ	Hedge/Member	Mnth 1	Increase	USD	1,400	1,400	2,000	2,000
WQ	Spec	Mnths 2-5	Increase	USD	1,540	1,400	1,870	1,700
WQ	Hedge/Member	Mnths 2-5	Increase	USD	1,400	1,400	1,700	1,700
MINI GSOIL .1 PLTTS VS ICE GSOIL FUT (MGB)								
MGB	Spec	Mnth 1	Increase	USD	154	140	220	200
MGB	Hedge/Member	Mnth 1	Increase	USD	140	140	200	200
MGB	Spec	Mnths 2-5	Increase	USD	154	140	187	170
MGB	Hedge/Member	Mnths 2-5	Increase	USD	140	140	170	170

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
COAL - Inter-commodity Spread Rates						
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
CRUDE OIL - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME).						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME).						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME).						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME).						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	New	+3:-4			40%	40%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+9:-1			30%	30%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs NY HARBOR RBOB GASOLINE (NYM-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE NAPHTHA SWAP (NYM-SP - CME)						
Spread Credit Rate	Decrease	+9:-1	40%	40%	30%	30%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+19:-3	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	70%	70%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	New	+3:-25			75%	75%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-9	60%	60%	75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	75%	75%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
OMAN CRUDE OIL (NY-OQ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	80%	80%
OMAN CRUDE OIL (NY-OQ - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME).						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME).						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME).						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL SPREADS - Inter-commodity Spread Rates

EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs HEATING OIL ARB: NYMEX HEATING OIL VS. ICE GASOIL (NY-HA - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)

Spread Credit Rate	New	+1:+1:-1			65%	65%
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RBOB GASOLINE VS. BRENT CRACK SPREAD SWAP FUTURES (NY-RBB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)

Spread Credit Rate	Increase	+1:-1	30%	30%	35%	35%
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WTI-BRENT (ICE) BULLET SWAP FUTURES (NY-BY - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)

Spread Credit Rate	New	+1:-1			95%	95%
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WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME) vs RBOB GASOLINE CRACK SPREAD SWAP FUTURES (NY-RM - CME)

Spread Credit Rate	New	+1:-1			65%	65%
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ETHANOL - Inter-commodity Spread Rates

GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)

Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)

Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
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NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)

Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
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NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)

Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
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PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)

Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
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PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)

Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+2:-15	45%	45%	30%	30%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+12:-1	50%	50%	30%	30%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			65%	65%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			65%	65%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	40%	40%	60%	60%
Spread Credit Rate	Increase	+2:-15	40%	40%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+10:-1			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	55%	55%
Spread Credit Rate	Increase	+2:-15	30%	30%	55%	55%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	40%	40%	65%	65%
Spread Credit Rate	Increase	+2:-15	40%	40%	65%	65%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
SINGAPORE NAPHTHA SWAP (NY-SP - CME) vs EURO PROPANE CIF ARA SWAP (NY-PS - CME)						
Spread Credit Rate	Decrease	+10:-1	50%	50%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs HEATING OIL ARB: NYMEX HEATING OIL VS. ICE GASOIL (NY-HA - CME) vs HEATING OIL CRACK SPREAD SWAP FUTURES (NY-HK - CME)						
Spread Credit Rate	Decrease	-1:-1:+1	80%	80%	65%	65%
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs HEATING OIL ARB: NYMEX HEATING OIL VS. ICE GASOIL (NY-HA - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	New	+1:+1:-1			65%	65%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES CRACK SPREAD SWAP FUTURES (NY-7K - CME) vs RBOB GASOLINE VS. BRENT CRACK SPREAD SWAP FUTURES (NY-RBB - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	30%	30%
HEATING OIL ARB: NYMEX HEATING OIL VS. ICE GASOIL (NY-HA - CME) vs EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (NY-GZ - CME) vs HEATING OIL CRACK SPREAD SWAP FUTURES (NY-HK - CME)						
Spread Credit Rate	Decrease	+1:+1:-1	80%	80%	65%	65%
RBOB GASOLINE VS. BRENT CRACK SPREAD SWAP FUTURES (NY-RBB - CME) vs WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	35%	35%
WTI-BRENT (ICE) CALENDAR SWAP FUTURES (NY-BK - CME) vs RBOB GASOLINE CRACK SPREAD SWAP FUTURES (NY-RM - CME)						
Spread Credit Rate	New	+1:-1			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+1:-10	45%	45%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			55%	55%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	55%	55%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-SE - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UH - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
ARGUS BIODIESEL RME FOB RDAM S (NY-1A) vs NY 2.2% FUEL OIL (PLATTS) SWP (NY-Y3)						
Spread Credit Rate	Decrease	+4:-3	45%	45%	35%	35%
ARGUS BIODIESEL RME FOB RDAM S (NY-1A) vs NY 3.0% FUEL OIL (PLATTS) SWP (NY-H1)						
Spread Credit Rate	Decrease	+4:-3	45%	45%	35%	35%
ARGUS BIODIESEL RME FOB RDAM S (NY-1A) vs NY HARBOR RESIDUAL FUEL 1.0% S(NY-MM)						
Spread Credit Rate	Decrease	+4:-3	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS BIODIESEL RME FOB RDAM S (NY-1A) vs SINGAPORE 380CST FUEL OIL SWAP (NY-SE)						
Spread Credit Rate	Decrease	+10:-1	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM S (NY-1A) vs SINGAPORE FUEL 180CST CALSWAP (NY-UA)						
Spread Credit Rate	Decrease	+10:-1	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+4:-3	50%	50%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+1:-10	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+10:-1	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+10:-1	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+10:-1	55%	55%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME)						
Spread Credit Rate	Decrease	+1:-10	60%	60%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+10:-1	50%	50%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+4:-3	60%	60%	45%	45%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+10:-1	50%	50%	40%	40%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+3:-4	45%	45%	35%	35%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+3:-4	60%	60%	45%	45%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+4:-3	55%	55%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+2:-15	45%	45%	30%	30%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+12:-1	50%	50%	30%	30%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME).						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME).						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME).						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME).						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+33:-5	60%	60%	75%	75%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+9:-1	60%	60%	70%	70%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-7L - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	65%	65%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CENTRAL APPALACHIAN COAL FUTURES (NY-QL - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	New	+3:-4			40%	40%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+9:-1			30%	30%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs NY HARBOR RBOB GASOLINE (NYM-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE NAPHTHA SWAP (NYM-SP - CME)						
Spread Credit Rate	Decrease	+9:-1	40%	40%	30%	30%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+15:-2			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	85%	85%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
EIA FLAT TAX ONHWAY DIESEL SWP (NY-A5) vs NY 2.2% FUEL OIL (PLATTS) SWP (NY-Y3)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+19:-3	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	85%	85%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX, BG) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+1:-10	60%	60%	30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+1:-10	55%	55%	30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+1:-10	60%	60%	35%	35%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			65%	65%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			65%	65%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	60%	60%	70%	70%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%
Spread Credit Rate	Increase	+2:-15	50%	50%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	40%	40%	60%	60%
Spread Credit Rate	Increase	+2:-15	40%	40%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+10:-1			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	50%	50%
Expand 1. NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME). 47845						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
Expand 1. NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME). 47666						
Spread Credit Rate	Increase	+15:-2	50%	50%	70%	70%
FAME 0 (ARGUS) BIODIESEL FOB RDAM SWAP FUTURES (NY-2L - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+10:-1	45%	45%	30%	30%
FAME 0 (ARGUS) BIODIESEL FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUT (NY-TY) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUT (NY-JA)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+1:-10	60%	60%	30%	30%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	New	+3:-25			75%	75%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	45%	45%
GROUP THREE UNLEADED GASOLINE (PLATTS) SWAP FUTURES (NY-A9 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+15:-2			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+15:-2			65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-1			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs NY 3.0% FUEL OIL (PLATTS) SWP (NY-H1)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Decrease	+19:-3	60%	60%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+15:-2	75%	75%	65%	65%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+15:-2	85%	85%	65%	65%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-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						
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-9	60%	60%	75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+2:-15	55%	55%	75%	75%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	55%	55%
Spread Credit Rate	Increase	+2:-15	30%	30%	55%	55%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	40%	40%	65%	65%
Spread Credit Rate	Increase	+2:-15	40%	40%	65%	65%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-UV - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
LA CARB DIESEL (OPIS) (NY-LX) vs NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LA CARB DIESEL (OPIS) (NY-LX) vs SINGAPORE 380CST FUEL OIL SWAP (NY-SE)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Decrease	+3:-4	55%	55%	30%	30%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+15:-2			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUT (NY-JA)						
Spread Credit Rate	Increase	+15:-2	50%	50%	65%	65%
LOS ANGELES CARBOB GASOLINE (OPIS) SWAP FUTURES (NY-MH - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
Spread Credit Rate	Increase	+15:-2	30%	30%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UV - CME)						
Spread Credit Rate	Decrease	+7:-1	75%	75%	50%	50%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	50%	50%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs NY HARBOR RESIDUAL FUEL 1.0% SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+1:-1			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+15:2	65%	65%	55%	55%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-MM - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Increase	+19:-3	60%	60%	75%	75%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Increase	+15:-2	50%	50%	70%	70%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+15:-2	50%	50%	70%	70%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	50%	50%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	40%	40%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NY 0.3% FUEL OIL (PLATTS) SWAP FUTURES (NY-VQ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	60%	60%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	50%	50%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	50%	50%
NY-3G - PREMIUM UNLD 10P FOB MED SWP vs NY-1A - ARGUS BIODIESEL RME FOB RDAM S						
Spread Credit Rate	Decrease	+1:-10	50%	50%	30%	30%
NY-3G - PREMIUM UNLD 10P FOB MED SWP vs NY-SG - SINGAPORE GASOIL SWAP						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
NY-TY - ULSD 10PPM CARGOES CIF NWE S vs NY-3G - PREMIUM UNLD 10P FOB MED SWP						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
OMAN CRUDE OIL (NY-OQ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
OMAN CRUDE OIL (NY-OQ - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			65%	65%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LOS ANGELES CARB DIESEL (OPIS) OUTRIGHT SWAP FUTURES (NY-LX - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RB - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
RBOB GASOLINE FUTURES (NY-RB - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	50%	50%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME).						
Spread Credit Rate	Increase	+5:-33	55%	55%	70%	70%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+2:+15	50%	50%	30%	30%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
SINGAPORE GASOIL SWAP (NYM-SG - CME) vs SINGAPORE 380CST FUEL OIL (PLATTS) SWAP (NYM-SE - CME)						
Spread Credit Rate	Increase	+3:-19	60%	60%	75%	75%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	60%	60%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
SINGAPORE NAPHTHA SWAP (NY-SP - CME) vs EURO PROPANE CIF ARA SWAP (NY-PS - CME)						
Spread Credit Rate	Decrease	+10:-1	50%	50%	30%	30%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME).						
Spread Credit Rate	Increase	+33:-5	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME).						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME).						
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%