



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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, September 15, 2016

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

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

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

The rates will be effective after the close of business on

Friday, September 16, 2016.

Current rates as of:

Thursday, September 15, 2016.

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								

COAL - Outright Rates

COAL API2 CIF ARA ARG-MCCLOSKEY FUT (MTF)

MTF	Spec	Month 1	Increase	USD	2,970	2,700	3,245	2,950
MTF	Hedge/Member	Month 1	Increase	USD	2,700	2,700	2,950	2,950
MTF	Spec	Mth 2-6	Increase	USD	2,915	2,650	3,190	2,900
MTF	Hedge/Member	Mth 2-6	Increase	USD	2,650	2,650	2,900	2,900
MTF	Spec	Mth 7-11	Increase	USD	2,860	2,600	3,190	2,900
MTF	Hedge/Member	Mth 7-11	Increase	USD	2,600	2,600	2,900	2,900
MTF	Spec	Mnths 12-23	Increase	USD	2,915	2,650	3,190	2,900
MTF	Hedge/Member	Mnths 12-23	Increase	USD	2,650	2,650	2,900	2,900
MTF	Spec	Mnths 24+	Increase	USD	2,915	2,650	3,190	2,900
MTF	Hedge/Member	Mnths 24+	Increase	USD	2,650	2,650	2,900	2,900

COAL API4 RCH BAY ARGS MCCLOSKEY FUT (MFF)

MFF	Spec	Mnth 1	Increase	USD	2,970	2,700	3,245	2,950
MFF	Hedge/Member	Mnth 1	Increase	USD	2,700	2,700	2,950	2,950
MFF	Spec	Mnths 2-6	Increase	USD	2,915	2,650	3,190	2,900
MFF	Hedge/Member	Mnths 2-6	Increase	USD	2,650	2,650	2,900	2,900
MFF	Spec	Mnths 7-11	Increase	USD	2,915	2,650	3,190	2,900
MFF	Hedge/Member	Mnths 7-11	Increase	USD	2,650	2,650	2,900	2,900
MFF	Spec	Mnths 12-23	Increase	USD	2,970	2,700	3,245	2,950
MFF	Hedge/Member	Mnths 12-23	Increase	USD	2,700	2,700	2,950	2,950
MFF	Spec	Mnths 24+	Increase	USD	3,025	2,750	3,300	3,000
MFF	Hedge/Member	Mnths 24+	Increase	USD	2,750	2,750	3,000	3,000

CRUDE OIL - Outright Rates

LOOP CRUDE OIL STORAGE FUTURES (LPS)

LPS	Spec	Mth 1	Decrease	USD	550	500	413	375
LPS	Hedge/Member	Mth 1	Decrease	USD	500	500	375	375
LPS	Spec	Mths 4+	Decrease	USD	413	375	275	250
LPS	Hedge/Member	Mths 4+	Decrease	USD	375	375	250	250

LOOP GULF COAST SOUR CRUDE OIL (MB)

MB	Spec		Decrease	USD	4,620	4,200	4,125	3,750
MB	Hedge/Member		Decrease	USD	4,200	4,200	3,750	3,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL SPREADS - Outright Rates								
WTI HOUSTON ARGUS V.WTI TRADE MONTH (HTT)								
HTT	Spec	Mnth1	Decrease	USD	2,200	2,000	1,760	1,600
HTT	Hedge/Member	Mnth1	Decrease	USD	2,000	2,000	1,600	1,600
HTT	Spec	Mnth 2	Decrease	USD	1,100	1,000	880	800
HTT	Hedge/Member	Mnth 2	Decrease	USD	1,000	1,000	800	800
HTT	Spec	Mnths 3+	Decrease	USD	1,100	1,000	880	800
HTT	Hedge/Member	Mnths 3+	Decrease	USD	1,000	1,000	800	800
WTI MIDLAND (ARG) VS. WTI TRADE MTH (WTT)								
WTT	Spec	Mnth 1	Decrease	USD	4,675	4,250	3,850	3,500
WTT	Hedge/Member	Mnth 1	Decrease	USD	4,250	4,250	3,500	3,500
WTT	Spec	Mnths 2-3	Decrease	USD	2,530	2,300	1,980	1,800
WTT	Hedge/Member	Mnths 2-3	Decrease	USD	2,300	2,300	1,800	1,800
WTT	Spec	Mnths 4-7	Decrease	USD	2,200	2,000	1,650	1,500
WTT	Hedge/Member	Mnths 4-7	Decrease	USD	2,000	2,000	1,500	1,500
WTT	Spec	Mnths 8+	Decrease	USD	1,870	1,700	1,540	1,400
WTT	Hedge/Member	Mnths 8+	Decrease	USD	1,700	1,700	1,400	1,400
EQUITY INDEX - Outright Rates								
EMINI SP500 MATERIALS SECTOR INDEX (XAB)								
XAB	Spec		Increase	USD	2,200	2,000	2,530	2,300
XAB	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300
EMINI SP500-UTILITIES SECTOR INDEX (XAU)								
XAU	Spec		Increase	USD	1,485	1,350	1,650	1,500
XAU	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
SP 500 MATERIALS SEL SECTOR SYNTH (1BT)								
1BT	Spec		Increase	USD	2,200	2,000	2,530	2,300
1BT	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300
SP 500 MATERIALS SEL SECTOR TIC (XBT)								
XBT	Spec		Increase	USD	2,200	2,000	2,530	2,300
XBT	Hedge/Member		Increase	USD	2,000	2,000	2,300	2,300
SP 500 UTILITIES SEL SECTOR SYNTH (1UT)								
1UT	Spec		Increase	USD	1,485	1,350	1,650	1,500
1UT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500
SP 500 UTILITIES SEL SECTOR TIC (XUT)								
XUT	Spec		Increase	USD	1,485	1,350	1,650	1,500
XUT	Hedge/Member		Increase	USD	1,350	1,350	1,500	1,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ETHANOL - Outright Rates

CHICAGO ETHANOL FUT (CU)

CU	Spec	Mth 1	Decrease	USD	3,300	3,000	2,860	2,600
CU	Hedge/Member	Mth 1	Decrease	USD	3,000	3,000	2,600	2,600
CU	Spec	Mths 2	Decrease	USD	3,080	2,800	2,640	2,400
CU	Hedge/Member	Mths 2	Decrease	USD	2,800	2,800	2,400	2,400
CU	Spec	Mth 3-7	Decrease	USD	2,420	2,200	2,200	2,000
CU	Hedge/Member	Mth 3-7	Decrease	USD	2,200	2,200	2,000	2,000

ETHANOL FUTURES (EH)

EH	Spec	Month 1	Decrease	USD	2,251	2,046	1,913	1,739
EH	Hedge/Member	Month 1	Decrease	USD	2,046	2,046	1,739	1,739
EH	Spec	Month 2	Decrease	USD	2,200	2,000	1,826	1,660
EH	Hedge/Member	Month 2	Decrease	USD	2,000	2,000	1,660	1,660
EH	Spec	Month 3+	Decrease	USD	1,650	1,500	1,430	1,300
EH	Hedge/Member	Month 3+	Decrease	USD	1,500	1,500	1,300	1,300

NEW YORK ETHANOL FUT (EZ)

EZ	Spec	Mth 1	Decrease	USD	4,950	4,500	4,125	3,750
EZ	Hedge/Member	Mth 1	Decrease	USD	4,500	4,500	3,750	3,750
EZ	Spec	Mth 2	Decrease	USD	4,620	4,200	3,740	3,400
EZ	Hedge/Member	Mth 2	Decrease	USD	4,200	4,200	3,400	3,400
EZ	Spec	Mths 3-7	Decrease	USD	3,850	3,500	3,190	2,900
EZ	Hedge/Member	Mths 3-7	Decrease	USD	3,500	3,500	2,900	2,900
EZ	Spec	Mnths 8+	Decrease	USD	3,850	3,500	3,190	2,900
EZ	Hedge/Member	Mnths 8+	Decrease	USD	3,500	3,500	2,900	2,900

INTEREST RATES - Outright Rates

10-YEAR EURO MAC SWAP FUTURES (N1E)

N1E	Spec	Increase	EUR	1,760	1,600	1,815	1,650
N1E	Hedge/Member	Increase	EUR	1,600	1,600	1,650	1,650

10-YEAR USD MAC SWAP FUTURES (N1U)

N1U	Spec	Decrease	USD	2,090	1,900	2,035	1,850
N1U	Hedge/Member	Decrease	USD	1,900	1,900	1,850	1,850

30-YEAR USD MAC SWAP FUTURES (B1U)

B1U	Spec	Decrease	USD	5,390	4,900	5,060	4,600
B1U	Hedge/Member	Decrease	USD	4,900	4,900	4,600	4,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
EUR1%FUEL OIL CARG FOB MED V FOB NWE (ENS)								
ENS	Spec	Mth 1	Increase	USD	1,650	1,500	1,870	1,700
ENS	Hedge/Member	Mth 1	Increase	USD	1,500	1,500	1,700	1,700
ENS	Spec	Mths 2+	Increase	USD	1,485	1,350	1,760	1,600
ENS	Hedge/Member	Mths 2+	Increase	USD	1,350	1,350	1,600	1,600
GASOIL 0.1 RDAM BRGS V. ICE (WQ)								
WQ	Spec	Mnths 2-5	Increase	USD	3,630	3,300	4,015	3,650
WQ	Hedge/Member	Mnths 2-5	Increase	USD	3,300	3,300	3,650	3,650
GLFCST JET PLATTS UP/DN FUT (ME)								
ME	Spec	Mnth 1	Decrease	USD	1,540	1,400	1,430	1,300
ME	Hedge/Member	Mnth 1	Decrease	USD	1,400	1,400	1,300	1,300
ME	Spec	Mnth 2	Decrease	USD	935	850	880	800
ME	Hedge/Member	Mnth 2	Decrease	USD	850	850	800	800
GRP3 ULSD VS NY HRBR ULSD FUT (A6)								
A6	Spec	Mnth 2	Decrease	USD	1,540	1,400	1,100	1,000
A6	Hedge/Member	Mnth 2	Decrease	USD	1,400	1,400	1,000	1,000
A6	Spec	Mnths 3+	Increase	USD	660	600	880	800
A6	Hedge/Member	Mnths 3+	Increase	USD	600	600	800	800
LA JT FL(PLATTS) VS.NY HRBR ULSD FU (MQ)								
MQ	Spec		Decrease	USD	4,400	4,000	3,520	3,200
MQ	Hedge/Member		Decrease	USD	4,000	4,000	3,200	3,200
MINI 380CST VS 3.5% FUEL OIL FUT (MSB)								
MSB	Spec	Mnths 3-6	Increase	USD	330	300	396	360
MSB	Hedge/Member	Mnths 3-6	Increase	USD	300	300	360	360
MSB	Spec	Mnths 7-15	Increase	USD	275	250	330	300
MSB	Hedge/Member	Mnths 7-15	Increase	USD	250	250	300	300
MSB	Spec	Mths 16+	Increase	USD	275	250	330	300
MSB	Hedge/Member	Mths 16+	Increase	USD	250	250	300	300
MINI GSOIL .1 PLTTS VS ICE GSOIL FU (MGB)								
MGB	Spec	Mnths 2-5	Increase	USD	363	330	402	365
MGB	Hedge/Member	Mnths 2-5	Increase	USD	330	330	365	365
NY BUCKEYE JET FUEL VS NY HARB ULSD (JET)								
JET	Spec	Mnth 1	Decrease	USD	2,750	2,500	2,200	2,000
JET	Hedge/Member	Mnth 1	Decrease	USD	2,500	2,500	2,000	2,000
JET	Spec	Mnths 2+	Decrease	USD	1,650	1,500	1,210	1,100
JET	Hedge/Member	Mnths 2+	Decrease	USD	1,500	1,500	1,100	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SING 380 FUEL OIL VS FUEL OIL ROTDM (EVC)

EVC	Spec	Mnths 3-6	Increase	USD	3,300	3,000	3,960	3,600
EVC	Hedge/Member	Mnths 3-6	Increase	USD	3,000	3,000	3,600	3,600
EVC	Spec	Mnths 7-15	Increase	USD	2,750	2,500	3,300	3,000
EVC	Hedge/Member	Mnths 7-15	Increase	USD	2,500	2,500	3,000	3,000
EVC	Spec	Mths 16+	Increase	USD	2,750	2,500	3,300	3,000
EVC	Hedge/Member	Mths 16+	Increase	USD	2,500	2,500	3,000	3,000

SING V. MIDDLE EAST FUEL OIL 380CST (DSI)

DSI	Spec	Mth 1	New	USD			13,200	12,000
DSI	Hedge/Member	Mth 1	New	USD			12,000	12,000
DSI	Spec	Mths 2-3	New	USD			6,600	6,000
DSI	Hedge/Member	Mths 2-3	New	USD			6,000	6,000
DSI	Spec	Mths 4-9	New	USD			3,300	3,000
DSI	Hedge/Member	Mths 4-9	New	USD			3,000	3,000
DSI	Spec	Mnths 10+	New	USD			3,300	3,000
DSI	Hedge/Member	Mnths 10+	New	USD			3,000	3,000

SING VS MIDDLE EAST FUEL OIL 180CST (DSM)

DSM	Spec	Mth 1	New	USD			13,200	12,000
DSM	Hedge/Member	Mth 1	New	USD			12,000	12,000
DSM	Spec	Mths 2-3	New	USD			6,600	6,000
DSM	Hedge/Member	Mths 2-3	New	USD			6,000	6,000
DSM	Spec	Mths 4-9	New	USD			3,300	3,000
DSM	Hedge/Member	Mths 4-9	New	USD			3,000	3,000
DSM	Spec	Mnths 10+	New	USD			3,300	3,000
DSM	Hedge/Member	Mnths 10+	New	USD			3,000	3,000

REFINED PRODUCTS - Outright Rates

GULF COAST ULSD CALENDAR FUT (LY)

LY	Spec	Mnth 1	Decrease	USD	4,730	4,300	4,510	4,100
LY	Hedge/Member	Mnth 1	Decrease	USD	4,300	4,300	4,100	4,100
LY	Spec	Mnths 2-6	Decrease	USD	4,510	4,100	4,290	3,900
LY	Hedge/Member	Mnths 2-6	Decrease	USD	4,100	4,100	3,900	3,900
LY	Spec	Mnths 7-12	Decrease	USD	4,180	3,800	3,960	3,600
LY	Hedge/Member	Mnths 7-12	Decrease	USD	3,800	3,800	3,600	3,600
LY	Spec	Mnths 13+	Decrease	USD	3,850	3,500	3,630	3,300
LY	Hedge/Member	Mnths 13+	Decrease	USD	3,500	3,500	3,300	3,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

AGRICULTURE - Intra Spreads

Month 2 vs Months 3+ (LIVE CATTLE FUTURES)

LC	Spec	Increase	USD	770	700	935	850
LC	Hedge/Member	Increase	USD	700	700	850	850

Month 2 vs Months 3+ (LIVE CATTLE TRADE AT SETTLEMENT)

LET	Spec	Increase	USD	770	700	935	850
LET	Hedge/Member	Increase	USD	700	700	850	850

Months 3+ vs Months 3+ (LIVE CATTLE FUTURES)

LC	Spec	Increase	USD	660	600	770	700
LC	Hedge/Member	Increase	USD	600	600	700	700

Months 3+ vs Months 3+ (LIVE CATTLE TRADE AT SETTLEMENT)

LET	Spec	Increase	USD	660	600	770	700
LET	Hedge/Member	Increase	USD	600	600	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ETHANOL - Intra Spreads								
Chicago Ethanol (Platts) Swap, Mth 2 vs. Mths 3-7 (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	825	750	605	550
CU	Hedge/Member		Decrease	USD	750	750	550	550
Chicago Ethanol (Platts) Swap, Mth 1 vs. Mth 2 (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	2,200	2,000	1,540	1,400
CU	Hedge/Member		Decrease	USD	2,000	2,000	1,400	1,400
Chicago Ethanol (Platts) Swap, Mth 1 vs. Mths 3-7 (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	1,320	1,200	880	800
CU	Hedge/Member		Decrease	USD	1,200	1,200	800	800
Chicago Ethanol (Platts) Swap, Mth 1 vs. Mths 8+ (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	1,320	1,200	770	700
CU	Hedge/Member		Decrease	USD	1,200	1,200	700	700
Chicago Ethanol (Platts) Swap, Mth 2 vs. Mths 8+ (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	770	700	495	450
CU	Hedge/Member		Decrease	USD	700	700	450	450
Chicago Ethanol (Platts) Swap, Mths 3-7 vs. Mths 8+ (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	880	800	770	700
CU	Hedge/Member		Decrease	USD	800	800	700	700
Chicago Ethanol (Platts) Swap, Mths 8+ vs Mths 8+ (CHICAGO ETHANOL FUT)								
CU	Spec		Decrease	USD	880	800	660	600
CU	Hedge/Member		Decrease	USD	800	800	600	600
New York Ethanol (Platts) Swap - All Consecutive Months (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	5,500	5,000	4,400	4,000
EZ	Hedge/Member		Decrease	USD	5,000	5,000	4,000	4,000
New York Ethanol (Platts) Swap, Tier 1 vs. Tier 3 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
New York Ethanol (Platts) Swap, Tier 1 vs. Tier 4 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
New York Ethanol (Platts) Swap, Tier 2 vs. Tier 3 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
New York Ethanol (Platts) Swap, Tier 2 vs. Tier 4 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
New York Ethanol (Platts) Swap, Tier 3 vs. Tier 3 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
New York Ethanol (Platts) Swap, Tier 3 vs. Tier 4 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
New York Ethanol (Platts) Swap, Tier 4 vs. Tier 4 (NEW YORK ETHANOL FUT)								
EZ	Spec		Decrease	USD	6,600	6,000	5,500	5,000
EZ	Hedge/Member		Decrease	USD	6,000	6,000	5,000	5,000
FX - Intra Spreads								
British Pound (BP) Butterfly - Contracts 1-3+ (BRITISH POUND FUTURES)								
BP	Spec		New	USD			77	70
BP	Hedge/Member		New	USD			70	70
British Pound (BP) Butterfly - Contracts 1-3+ (E-MICRO GBP/USD FUTURES)								
M6B	Spec		New	USD			8	7
M6B	Hedge/Member		New	USD			7	7
Euro FX (EC) Butterfly - Contracts 1-3 + (E-MICRO EUR/USD FUTURES)								
M6E	Spec		New	USD			7	7
M6E	Hedge/Member		New	USD			7	7
Euro FX (EC) Butterfly - Contracts 1-3 + (E-MINI EURO FX FUTURE)								
E7	Spec		New	USD			36	33
E7	Hedge/Member		New	USD			33	33
Euro FX (EC) Butterfly - Contracts 1-3 + (EURO FUTURE)								
EC	Spec		New	USD			73	66
EC	Hedge/Member		New	USD			66	66

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
Calendar-Spread-GCK-001-GCK-002 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-001-GCK-003 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-001-GCK-004 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	61	55
GCK	Hedge/Member		Decrease	USD	70	70	55	55
Calendar-Spread-GCK-001-GCK-005 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	66	60
GCK	Hedge/Member		Decrease	USD	70	70	60	60
Calendar-Spread-GCK-001-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	66	60
GCK	Hedge/Member		Decrease	USD	70	70	60	60
Calendar-Spread-GCK-001-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	72	65
GCK	Hedge/Member		Decrease	USD	70	70	65	65
Calendar-Spread-GCK-002-GCK-003 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-002-GCK-004 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-002-GCK-005 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-002-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	61	55
GCK	Hedge/Member		Decrease	USD	70	70	55	55
Calendar-Spread-GCK-002-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	72	65
GCK	Hedge/Member		Decrease	USD	70	70	65	65

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Calendar-Spread-GCK-003-GCK-004 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-003-GCK-005 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-003-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-003-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-004-GCK-005 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-004-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-004-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-005-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-005-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Calendar-Spread-GCK-006-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Decrease	USD	77	70	55	50
GCK	Hedge/Member		Decrease	USD	70	70	50	50
Iron Ore Futures - Mnths 2-4 vs Mnths 2-4 (IRON ORE FUTURES)								
TIO	Spec		Decrease	USD	1,045	950	880	800
TIO	Hedge/Member		Decrease	USD	950	950	800	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Iron Ore Futures - Mnths 2-4 vs Mnths 5-8 (IRON ORE FUTURES)								
TIO	Spec		Decrease	USD	1,650	1,500	1,210	1,100
TIO	Hedge/Member		Decrease	USD	1,500	1,500	1,100	1,100
Iron Ore Futures - Mnths 5-8 vs Mnths 9+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,320	1,200	1,430	1,300
TIO	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Iron Ore Futures - Mnths 9+ vs Mnths 9+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,320	1,200	1,430	1,300
TIO	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
Singapore vs. Middle East Fuel Oil 180 cst Spread (S&P Global Platts) Futures - All Months (SING VS MIDDLE EAST FUEL OIL 180CST)								
DSM	Spec		New	USD			3,300	3,000
DSM	Hedge/Member		New	USD			3,000	3,000
Singapore vs. Middle East Fuel Oil 380 cst Spread (S&P Global Platts) Futures - All Months (SING V. MIDDLE EAST FUEL OIL 380CST)								
DSI	Spec		New	USD			3,300	3,000
DSI	Hedge/Member		New	USD			3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	75%	75%	80%	80%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+5:-33			75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			80%	80%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			80%	80%
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	75%	75%	80%	80%
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	60%	60%	80%	80%
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	60%	60%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	60%	60%	80%	80%
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	60%	60%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NATURAL GAS - Inter-commodity Spread Rates						
DEMARCO BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	40%	40%
DOMINION BASIS SWAP (PLATTS IFERC) (NYM-PG - CME) vs TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) (NYM-NX - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME) vs CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR						
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
SOCAL BASIS SWAP (NGI) (NYM-NS - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
VENTURA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME) vs NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP ((NYM-PM - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
WAHA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NW - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	40%	40%

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						
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	-1:~1:~1			30%	30%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs NY BUCKEYE JET FUEL (PLATTS) VS. NY HARBOR ULSD FUTURES (NY-JET - CME)						
Spread Credit Rate	New	+1:~1			50%	50%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME)						
Spread Credit Rate	New	+1:~1:~1			85%	85%
NY BUCKEYE JET FUEL (PLATTS) VS. NY HARBOR ULSD FUTURES (NY-JET - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	-1:~1:~1			50%	50%
SINGAPORE VS. MIDDLE EAST FUEL OIL 180 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (NY-DSM - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME)						
Spread Credit Rate	New	+1:~1:~1			98%	98%
SINGAPORE VS. MIDDLE EAST FUEL OIL 380 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (NY-DSI - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME)						
Spread Credit Rate	New	+1:~1:~1			98%	98%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
GROUP THREE ULSD (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-A6 - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	-1:+1:-1			30%	30%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs GULF COAST JET (PLATTS) VS. HEATING OIL SPREAD SWAP FUTURES (NY-ME - CME)						
Spread Credit Rate	New	+1:-1:-1			85%	85%
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	75%	75%	80%	80%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+5:-33			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+1:-1			80%	80%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	New	+5:-33			75%	75%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+5:-33			70%	70%
NY BUCKEYE JET FUEL (PLATTS) VS. NY HARBOR ULSD FUTURES (NY-JET - CME) vs LOS ANGELES JET (OPIS) OUTRIGHT SWAP FUTURES (NY-LL - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	New	-1:+1:-1			50%	50%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+5:-33			80%	80%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	New	+5:-33			80%	80%
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	75%	75%	80%	80%
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	60%	60%	80%	80%
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	60%	60%	80%	80%
SINGAPORE VS. MIDDLE EAST FUEL OIL 180 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (NY-DSM - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MIDDLE EAST FUEL OIL 180 CST (PLATTS) FUTURES (NY-DHE - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%
SINGAPORE VS. MIDDLE EAST FUEL OIL 380 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (NY-DSI - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MIDDLE EAST FUEL OIL 380 CST (PLATTS) FUTURES (NY-DES - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%
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	60%	60%	80%	80%
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	60%	60%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						

PETROLEUM CRACKS AND SPREADS - Short Option Minimum (SOM) Rate

SINGAPORE VS. MIDDLE EAST FUEL OIL 180 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (DSM) - SOM

Clearing Member Rate	New	11.000	10.000
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SINGAPORE VS. MIDDLE EAST FUEL OIL 380 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (DSI) - SOM

Clearing Member Rate	New	11.000	10.000
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL - Volatility Scan (volScan) Rate

BRENT (ICE) CALENDAR SWAP FUTURES (BA, CY, IBS, MBC) - volScan

Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.070		0.060
Clearing Member Rate	Mnth3	Decrease		0.050		0.045
Clearing Member Rate	Mnth4	Decrease		0.040		0.035
Clearing Member Rate	Mnth8	Increase		0.015		0.020
Clearing Member Rate	Mnth9	Increase		0.015		0.020
Clearing Member Rate	Mnth10	Increase		0.015		0.020
Clearing Member Rate	Mnth11	Increase		0.015		0.020
Clearing Member Rate	Mnth12	Increase		0.015		0.020
Clearing Member Rate	Mnth13	Increase		0.015		0.020
Clearing Member Rate	Mnth14	Increase		0.015		0.020
Clearing Member Rate	Mnth15	Increase		0.015		0.020

BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (BB, BE, BZ, BZL, BZO, BZS, BZT, IBS, OS, OSW) - volScan

Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.070		0.060
Clearing Member Rate	Mnth3	Decrease		0.050		0.045
Clearing Member Rate	Mnth4	Decrease		0.040		0.035
Clearing Member Rate	Mnth8	Increase		0.015		0.020
Clearing Member Rate	Mnth9	Increase		0.015		0.020
Clearing Member Rate	Mnth10	Increase		0.015		0.020
Clearing Member Rate	Mnth11	Increase		0.015		0.020
Clearing Member Rate	Mnth12	Increase		0.015		0.020
Clearing Member Rate	Mnth13	Increase		0.015		0.020
Clearing Member Rate	Mnth14	Increase		0.015		0.020
Clearing Member Rate	Mnth15	Increase		0.015		0.020

BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (BB, BBT, MBZ, ODB, SBB) - volScan

Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.070		0.060
Clearing Member Rate	Mnth3	Decrease		0.050		0.045
Clearing Member Rate	Mnth4	Decrease		0.040		0.035
Clearing Member Rate	Mnth8	Increase		0.015		0.020
Clearing Member Rate	Mnth9	Increase		0.015		0.020
Clearing Member Rate	Mnth10	Increase		0.015		0.020
Clearing Member Rate	Mnth11	Increase		0.015		0.020
Clearing Member Rate	Mnth12	Increase		0.015		0.020
Clearing Member Rate	Mnth13	Increase		0.015		0.020
Clearing Member Rate	Mnth14	Increase		0.015		0.020
Clearing Member Rate	Mnth15	Increase		0.015		0.020

CRUDE OIL FINANCIAL FUTURES (MCL, QM, WS) - volScan

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.075		0.060
Clearing Member Rate	Mnth3	Decrease		0.060		0.045
Clearing Member Rate	Mnth4	Decrease		0.050		0.035
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth23	Increase		0.015		0.020
Clearing Member Rate	Mnth24	Increase		0.015		0.020
Clearing Member Rate	Mnth25	Increase		0.015		0.020
Clearing Member Rate	Mnth26	Increase		0.015		0.020
Clearing Member Rate	Mnth27	Increase		0.015		0.020
Clearing Member Rate	Mnth28	Increase		0.015		0.020
Clearing Member Rate	Mnth29	Increase		0.015		0.020
CRUDE OIL LAST DAY FINANCIAL FUTURES (26, S26) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.075		0.060
Clearing Member Rate	Mnth3	Decrease		0.060		0.045
Clearing Member Rate	Mnth4	Decrease		0.050		0.035
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth23	Increase		0.015		0.020
Clearing Member Rate	Mnth24	Increase		0.015		0.020
Clearing Member Rate	Mnth25	Increase		0.015		0.020
Clearing Member Rate	Mnth26	Increase		0.015		0.020
Clearing Member Rate	Mnth27	Increase		0.015		0.020
Clearing Member Rate	Mnth28	Increase		0.015		0.020
Clearing Member Rate	Mnth29	Increase		0.015		0.020
LIGHT SWEET CRUDE OIL FUTURES (C01, C02, C03, C04, C05, C06, C07, C08, C09, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, CD, CL, CLL, CLS, CLT, LC, LM1, LM2, LM3, LM4, LM5, LO, LOW, XC, XCT) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.075		0.060
Clearing Member Rate	Mnth3	Decrease		0.060		0.045

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth4	Decrease		0.050		0.035
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth23	Increase		0.015		0.020
Clearing Member Rate	Mnth24	Increase		0.015		0.020
Clearing Member Rate	Mnth25	Increase		0.015		0.020
Clearing Member Rate	Mnth26	Increase		0.015		0.020
Clearing Member Rate	Mnth27	Increase		0.015		0.020
Clearing Member Rate	Mnth28	Increase		0.015		0.020
Clearing Member Rate	Mnth29	Increase		0.015		0.020
WTI CALENDAR SWAP FUTURES (AO, CS) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth2	Decrease		0.075		0.060
Clearing Member Rate	Mnth3	Decrease		0.060		0.045
Clearing Member Rate	Mnth4	Decrease		0.050		0.035
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth23	Increase		0.015		0.020
Clearing Member Rate	Mnth24	Increase		0.015		0.020
Clearing Member Rate	Mnth25	Increase		0.015		0.020
Clearing Member Rate	Mnth26	Increase		0.015		0.020
Clearing Member Rate	Mnth27	Increase		0.015		0.020
Clearing Member Rate	Mnth28	Increase		0.015		0.020
Clearing Member Rate	Mnth29	Increase		0.015		0.020

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
METALS - Volatility Scan (volScan) Rate						
COPPER FUTURES (HG, HG0, HGT, HX, HXW, QC) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.045		0.043
GOLD FUTURES (8Q, GC, GCT, L01, L02, L03, L04, L05, L06, L07, L08, L09, L10, L11, L12, L13, L14, L15, L16, L17, L18, L19, L20, L21, L22, L23, L24, L25, L26, L27, L28, L29, L30, L31, MGC, OG, OGW, QO, QS) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.040		0.038
Clearing Member Rate	Mnth2	Decrease		0.040		0.038
Clearing Member Rate	Mnth3	Decrease		0.040		0.038
Clearing Member Rate	Mnth4	Decrease		0.040		0.038
Clearing Member Rate	Mnth5	Decrease		0.030		0.028
Clearing Member Rate	Mnth6	Decrease		0.030		0.028
IRON ORE FUTURES (ICT, TIO) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.060		0.055
Clearing Member Rate	Mnths 2-4	Decrease		0.045		0.043
Clearing Member Rate	Mnths 5-8	Decrease		0.030		0.028
IRON ORE(PLATTS) SWAP FUTURE (ICP, PIO) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.060		0.055
Clearing Member Rate	Mnths 2-4	Decrease		0.060		0.043
Clearing Member Rate	Mnths 5+	Decrease		0.060		0.028
SILVER FUTURES (6Q, QI, SI, SIL, SIT, SO, SOW) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.050		0.048
Clearing Member Rate	Mnth2	Decrease		0.050		0.048
Clearing Member Rate	Mnth3	Decrease		0.050		0.048
Clearing Member Rate	Mnth4	Decrease		0.050		0.048
Clearing Member Rate	Mnth5	Decrease		0.030		0.028
Clearing Member Rate	Mnth6	Decrease		0.030		0.028

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NATURAL GAS - Volatility Scan (volScan) Rate

HENRY HUB NATURAL GAS FUTURES (HHQ, KD, LN, LNW, MNG, NG, NGT, ON, ONW, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31) - volScan

Clearing Member Rate	Mnth7	Decrease		0.040		0.025
Clearing Member Rate	Mnth8	Decrease		0.040		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth12	Decrease		0.030		0.025
Clearing Member Rate	Mnth13	Decrease		0.030		0.025
Clearing Member Rate	Mnth14	Decrease		0.030		0.025
Clearing Member Rate	Mnth15	Decrease		0.030		0.025
Clearing Member Rate	Mnth28	Increase		0.010		0.013
Clearing Member Rate	Mnth29	Increase		0.010		0.013
Clearing Member Rate	Mnth30	Increase		0.010		0.013
Clearing Member Rate	Mnth31	Increase		0.010		0.013
Clearing Member Rate	Mnth32	Increase		0.010		0.013
Clearing Member Rate	Mnth33	Increase		0.010		0.013
Clearing Member Rate	Mnth34	Increase		0.010		0.013
Clearing Member Rate	Mnth35	Increase		0.010		0.013
Clearing Member Rate	Mnth36	Increase		0.010		0.013
Clearing Member Rate	Mnth37	Increase		0.010		0.013
Clearing Member Rate	Mnth38	Increase		0.010		0.013
Clearing Member Rate	Mnth39	Increase		0.010		0.013
Clearing Member Rate	Mnth40	Increase		0.010		0.013
Clearing Member Rate	Mnth41	Increase		0.010		0.013
Clearing Member Rate	Mnth42	Increase		0.010		0.013
Clearing Member Rate	Mnth43	Increase		0.010		0.013
Clearing Member Rate	Mnth44	Increase		0.010		0.013

HENRY HUB NATURAL GAS PENULTIMATE FINANCIAL FUTURES (E7, HH, HP, NP, QG) - volScan

Clearing Member Rate	Mnth7	Decrease		0.040		0.025
Clearing Member Rate	Mnth8	Decrease		0.040		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth12	Decrease		0.030		0.025
Clearing Member Rate	Mnth13	Decrease		0.030		0.025
Clearing Member Rate	Mnth14	Decrease		0.030		0.025
Clearing Member Rate	Mnth15	Decrease		0.030		0.025
Clearing Member Rate	Mnth28	Increase		0.010		0.013
Clearing Member Rate	Mnth29	Increase		0.010		0.013

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth30	Increase		0.010		0.013
Clearing Member Rate	Mnth31	Increase		0.010		0.013
Clearing Member Rate	Mnth32	Increase		0.010		0.013
Clearing Member Rate	Mnth33	Increase		0.010		0.013
Clearing Member Rate	Mnth34	Increase		0.010		0.013
Clearing Member Rate	Mnth35	Increase		0.010		0.013
Clearing Member Rate	Mnth36	Increase		0.010		0.013
Clearing Member Rate	Mnth37	Increase		0.010		0.013
Clearing Member Rate	Mnth38	Increase		0.010		0.013
Clearing Member Rate	Mnth39	Increase		0.010		0.013
Clearing Member Rate	Mnth40	Increase		0.010		0.013
Clearing Member Rate	Mnth41	Increase		0.010		0.013
Clearing Member Rate	Mnth42	Increase		0.010		0.013
Clearing Member Rate	Mnth43	Increase		0.010		0.013
Clearing Member Rate	Mnth44	Increase		0.010		0.013
NYMEX NATURAL GAS (H.HUB LTD) FUT (E7, HH, HHT, NN, NNT) - volScan						
Clearing Member Rate	Mnth7	Decrease		0.040		0.025
Clearing Member Rate	Mnth8	Decrease		0.040		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025
Clearing Member Rate	Mnth12	Decrease		0.030		0.025
Clearing Member Rate	Mnth13	Decrease		0.030		0.025
Clearing Member Rate	Mnth14	Decrease		0.030		0.025
Clearing Member Rate	Mnth15	Decrease		0.030		0.025
Clearing Member Rate	Mnth28	Increase		0.010		0.013
Clearing Member Rate	Mnth29	Increase		0.010		0.013
Clearing Member Rate	Mnth30	Increase		0.010		0.013
Clearing Member Rate	Mnth31	Increase		0.010		0.013
Clearing Member Rate	Mnth32	Increase		0.010		0.013
Clearing Member Rate	Mnth33	Increase		0.010		0.013
Clearing Member Rate	Mnth34	Increase		0.010		0.013
Clearing Member Rate	Mnth35	Increase		0.010		0.013
Clearing Member Rate	Mnth36	Increase		0.010		0.013
Clearing Member Rate	Mnth37	Increase		0.010		0.013
Clearing Member Rate	Mnth38	Increase		0.010		0.013
Clearing Member Rate	Mnth39	Increase		0.010		0.013
Clearing Member Rate	Mnth40	Increase		0.010		0.013
Clearing Member Rate	Mnth41	Increase		0.010		0.013
Clearing Member Rate	Mnth42	Increase		0.010		0.013
Clearing Member Rate	Mnth43	Increase		0.010		0.013
Clearing Member Rate	Mnth44	Increase		0.010		0.013

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PETROLEUM CRACKS AND SPREADS - Volatility Scan (volScan) Rate

SINGAPORE VS. MIDDLE EAST FUEL OIL 180 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (DSM) - volScan

Clearing Member Rate	Mth 1	New				0.025
Clearing Member Rate	Mths 2-3	New				0.025
Clearing Member Rate	Mths 4-9	New				0.025
Clearing Member Rate	Mnths 10+	New				0.025

SINGAPORE VS. MIDDLE EAST FUEL OIL 380 CST SPREAD (S&P GLOBAL PLATTS) FUTURES (DSI) - volScan

Clearing Member Rate	Mth 1	New				0.025
Clearing Member Rate	Mths 2-3	New				0.025
Clearing Member Rate	Mths 4-9	New				0.025
Clearing Member Rate	Mnths 10+	New				0.025

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

REFINED PRODUCTS - Volatility Scan (volScan) Rate

HEATING OIL CALENDAR SWAP FUTURES (AT, MP, QH) - volScan

Clearing Member Rate	Mnth1	Decrease		0.110		0.100
Clearing Member Rate	Mnth2	Decrease		0.060		0.050
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025

HEATING OIL FINANCIAL FUTURES (BH, QH) - volScan

Clearing Member Rate	Mnth1	Decrease		0.110		0.100
Clearing Member Rate	Mnth2	Decrease		0.060		0.050
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025

HEATING OIL LAST DAY FINANCIAL FUTURES (23, S23) - volScan

Clearing Member Rate	Mnth1	Decrease		0.110		0.100
Clearing Member Rate	Mnth2	Decrease		0.060		0.050
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025

NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (HO, HO3, HO4, HOL, HOP, HOS, HOT, LB, OH) - volScan

Clearing Member Rate	Mnth1	Decrease		0.110		0.100
Clearing Member Rate	Mnth2	Decrease		0.060		0.050
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
Clearing Member Rate	Mnth9	Decrease		0.030		0.025
Clearing Member Rate	Mnth10	Decrease		0.030		0.025
Clearing Member Rate	Mnth11	Decrease		0.030		0.025

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
RBOB GASOLINE CALENDAR SWAP FUTURES (RA, RL) - volScan						
Clearing Member Rate	Mnth4	Decrease		0.040		0.030
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.040		0.030
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
RBOB GASOLINE FINANCIAL FUTURES (QU, RT) - volScan						
Clearing Member Rate	Mnth4	Decrease		0.040		0.030
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.040		0.030
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
RBOB GASOLINE FUTURES (3RB, 4RB, OB, RB, RBL, RBP, RBS, RBT, RF) - volScan						
Clearing Member Rate	Mnth4	Decrease		0.040		0.030
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.040		0.030
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (27, S27) - volScan						
Clearing Member Rate	Mnth4	Decrease		0.040		0.030
Clearing Member Rate	Mnth5	Decrease		0.040		0.030
Clearing Member Rate	Mnth6	Decrease		0.040		0.030
Clearing Member Rate	Mnth7	Decrease		0.030		0.025
Clearing Member Rate	Mnth8	Decrease		0.030		0.025