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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, February 16, 2017

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 advisory includes changes to certain products' splitting methodology from None to Modified Split. The specific products can be found on page 4 of the advisory.

The rates will be effective after the close of business on

Friday, February 17, 2017.

Current rates as of:

Thursday, February 16, 2017.

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

Outright Rates

CRUDE OIL - Outright Rates

DME OMAN CRUDE FUT (DOO)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
DOO	Spec	Mnth1	Decrease	USD	6,050	5,500	5,225	4,750
DOO	Hedge/Member	Mnth1	Decrease	USD	5,500	5,500	4,750	4,750

DME OMAN CRUDE OIL (OQ)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
OQ	Spec	Mnth1	Decrease	USD	6,050	5,500	5,225	4,750
OQ	Hedge/Member	Mnth1	Decrease	USD	5,500	5,500	4,750	4,750

DUBAI CRUDE OIL (PLATTS) (DCD)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
DCD	Spec	Mnth 1	Decrease	USD	4,950	4,500	4,180	3,800
DCD	Hedge/Member	Mnth 1	Decrease	USD	4,500	4,500	3,800	3,800
DCD	Spec	Mnths 2-3	Decrease	USD	4,015	3,650	3,795	3,450
DCD	Hedge/Member	Mnths 2-3	Decrease	USD	3,650	3,650	3,450	3,450
DCD	Spec	Mnths 4-8	Decrease	USD	3,795	3,450	3,575	3,250
DCD	Hedge/Member	Mnths 4-8	Decrease	USD	3,450	3,450	3,250	3,250
DCD	Spec	Mnths 9+	Decrease	USD	3,630	3,300	3,355	3,050
DCD	Hedge/Member	Mnths 9+	Decrease	USD	3,300	3,300	3,050	3,050

EUROPE DATED BRENT FUT (UB)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
UB	Spec	Mths 7+	Decrease	USD	3,960	3,600	3,520	3,200
UB	Hedge/Member	Mths 7+	Decrease	USD	3,600	3,600	3,200	3,200
UB	Spec	Mths 1 - 6	Decrease	USD	3,960	3,600	3,520	3,200
UB	Hedge/Member	Mths 1 - 6	Decrease	USD	3,600	3,600	3,200	3,200

LOOP CRUDE OIL STORAGE FUTURES (LPS)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
LPS	Spec	Mths 2-3	Decrease	USD	275	250	248	225
LPS	Hedge/Member	Mths 2-3	Decrease	USD	250	250	225	225

LOOP GULF COAST SOUR CRUDE OIL (MB)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
MB	Spec		Decrease	USD	3,850	3,500	3,520	3,200
MB	Hedge/Member		Decrease	USD	3,500	3,500	3,200	3,200

MINI DATED BRENT (PLATTS) FINANCIAL (MDB)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
MDB	Spec	Mths 7+	Decrease	USD	396	360	352	320
MDB	Hedge/Member	Mths 7+	Decrease	USD	360	360	320	320
MDB	Spec	Mths 1 - 6	Decrease	USD	396	360	352	320
MDB	Hedge/Member	Mths 1 - 6	Decrease	USD	360	360	320	320

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
OMAN CRUDE FINANCIAL (ZG)								
ZG	Spec	Mnth1	Decrease	USD	605	550	523	475
ZG	Hedge/Member	Mnth1	Decrease	USD	550	550	475	475
OMAN CRUDE OIL TAM FUT (OQB)								
OQB	Spec	Mnth1	Decrease	USD	6,050	5,500	5,225	4,750
OQB	Hedge/Member	Mnth1	Decrease	USD	5,500	5,500	4,750	4,750
OMAN CRUDE OIL TAM MARKER SYN (OQ1)								
OQ1	Spec	Mnth1	Decrease	USD	6,050	5,500	5,225	4,750
OQ1	Hedge/Member	Mnth1	Decrease	USD	5,500	5,500	4,750	4,750
FX - Outright Rates								
CANADIAN DOLLAR FUTURES (CD)								
CD	Spec		Decrease	USD	1,540	1,400	1,320	1,200
CD	Hedge/Member		Decrease	USD	1,400	1,400	1,200	1,200
CHILEAN PESO/US DOLLAR CLP/USD FUT (CHP)								
CHP	Spec		Decrease	USD	4,950	4,500	3,300	3,000
CHP	Hedge/Member		Decrease	USD	4,500	4,500	3,000	3,000
E-MICRO CAD/USD FUTURES (MCD)								
MCD	Spec		Decrease	USD	154	140	132	120
MCD	Hedge/Member		Decrease	USD	140	140	120	120
E-MICRO USD/CNH FUTURES (MNH)								
MNH	Spec	Months 1-3	Decrease	CNH	1,925	1,750	1,540	1,400
MNH	Hedge/Member	Months 1-3	Decrease	CNH	1,750	1,750	1,400	1,400
USD/CNH FUTURES (CNH)								
CNH	Spec	Months 1-3	Decrease	CNH	19,250	17,500	15,400	14,000
CNH	Hedge/Member	Months 1-3	Decrease	CNH	17,500	17,500	14,000	14,000

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
WEATHER - Outright Rates								
ATLANTA HDD FUTURE (H1)								
H1	Spec		Increase	USD	24%	22%	28%	25%
H1	Hedge/Member		Increase	USD	22%	22%	25%	25%

Splitting Methodology

CC	Name	Current Splitting	New Splitting	Underlying Leg 1
NY-1D	RBOB Gasoline BALMO Futures	None	Modified Split	27
NY-42	WTI BALMO Futures	None	Modified Split	26
NY-J9	Brent Crude Oil BALMO Futures	None	Modified Split	BB
NY-1G	NY Harbor ULSD BALMO Futures	None	Modified Split	23
NY-VZ	Gulf Coast HSFO (Platts) BALMO Futures	None	Modified Split	SMF
NY-7R	Gasoline Euro-bob Oxy NWE Barges (Argus) BALMO Futures	None	Modified Split	S7H
NY-MEB	Mini Gasoline Euro-bob Oxy NWE Barges (Argus) BALMO Futures	None	Modified Split	S7H

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 1 vs Months 6+ (FEEDER CATTLE FUTURES)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
FC	Spec		Increase	USD	1,320	1,200	1,540	1,400
FC	Hedge/Member		Increase	USD	1,200	1,200	1,400	1,400

Month 1 vs Months 6+ (FEEDER CATTLE TRADE AT SETTLE)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
GFT	Spec		Increase	USD	1,320	1,200	1,540	1,400
GFT	Hedge/Member		Increase	USD	1,200	1,200	1,400	1,400

Month 1 vs Month 3 (SOYBEAN FUTURES)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
S	Spec		Decrease	USD	990	900	770	700
S	Hedge/Member		Decrease	USD	900	900	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Intra Spreads

FX - Intra Spreads

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Australian Dollar (AD) - All Months Consecutive Spreads (AUSTRALIAN DOLLAR FUTURES)								
AD	Spec		New	USD			33	30
AD	Hedge/Member		New	USD			30	30
Australian Dollar (AD) - All Months Consecutive Spreads (E-MICRO AUD/USD FUTURES)								
M6A	Spec		New	USD			3	3
M6A	Hedge/Member		New	USD			3	3
Australian Dollar (AD) Butterfly Spreads - Contracts 1-3+ (AUSTRALIAN DOLLAR FUTURES)								
AD	Spec		New	USD			44	40
AD	Hedge/Member		New	USD			40	40
Australian Dollar (AD) Butterfly Spreads - Contracts 1-3+ (E-MICRO AUD/USD FUTURES)								
M6A	Spec		New	USD			4	4
M6A	Hedge/Member		New	USD			4	4
British Pound (BP) - All Months Consecutive Spreads (BRITISH POUND FUTURES)								
BP	Spec		New	USD			72	65
BP	Hedge/Member		New	USD			65	65
British Pound (BP) - All Months Consecutive Spreads (E-MICRO GBP/USD FUTURES)								
M6B	Spec		New	USD			7	7
M6B	Hedge/Member		New	USD			7	7
British Pound (BP) Butterfly - Contracts 1-3+ (BRITISH POUND FUTURES)								
BP	Spec		Decrease	USD	77	70	55	50
BP	Hedge/Member		Decrease	USD	70	70	50	50
British Pound (BP) Butterfly - Contracts 1-3+ (E-MICRO GBP/USD FUTURES)								
M6B	Spec		Decrease	USD	8	7	6	5
M6B	Hedge/Member		Decrease	USD	7	7	5	5
Canadian Dollar (CD) - All Months Consecutive Spreads (CANADIAN DOLLAR FUTURES)								
CD	Spec		New	USD			44	40
CD	Hedge/Member		New	USD			40	40
Canadian Dollar (CD) - All Months Consecutive Spreads (E-MICRO CAD/USD FUTURES)								
MCD	Spec		New	USD			4	4
MCD	Hedge/Member		New	USD			4	4
Canadian Dollar (CD) Butterfly Spreads - Contracts 1-3+ (CANADIAN DOLLAR FUTURES)								
CD	Spec		New	USD			44	40
CD	Hedge/Member		New	USD			40	40

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Canadian Dollar (CD) Butterfly Spreads - Contracts 1-3+ (E-MICRO CAD/USD FUTURES)								
MCD	Spec		New	USD			4	4
MCD	Hedge/Member		New	USD			4	4
Euro Future (EC) - All Months Consecutive Spreads (E-MICRO EUR/USD FUTURES)								
M6E	Spec		New	USD			6	6
M6E	Hedge/Member		New	USD			6	6
Euro Future (EC) - All Months Consecutive Spreads (E-MINI EURO FX FUTURE)								
E7	Spec		New	USD			31	28
E7	Hedge/Member		New	USD			28	28
Euro Future (EC) - All Months Consecutive Spreads (EURO FUTURE)								
EC	Spec		New	USD			62	56
EC	Hedge/Member		New	USD			56	56
Euro FX (EC) Butterfly - Contracts 1-3 + (E-MICRO EUR/USD FUTURES)								
M6E	Spec		Decrease	USD	7	7	6	5
M6E	Hedge/Member		Decrease	USD	7	7	5	5
Euro FX (EC) Butterfly - Contracts 1-3 + (E-MINI EURO FX FUTURE)								
E7	Spec		Decrease	USD	36	33	28	25
E7	Hedge/Member		Decrease	USD	33	33	25	25
Euro FX (EC) Butterfly - Contracts 1-3 + (EURO FUTURE)								
EC	Spec		Decrease	USD	73	66	55	50
EC	Hedge/Member		Decrease	USD	66	66	50	50
Japanese Yen (JY) - All Months Consecutive Spreads (E-MICRO JPY/USD)								
MJY	Spec		New	USD			13	12
MJY	Hedge/Member		New	USD			12	12
Japanese Yen (JY) - All Months Consecutive Spreads (E-MINI J-YEN FUTURE)								
J7	Spec		New	USD			66	60
J7	Hedge/Member		New	USD			60	60
Japanese Yen (JY) - All Months Consecutive Spreads (JAPANESE YEN FUTURES)								
JY	Spec		New	USD			132	120
JY	Hedge/Member		New	USD			120	120
Japanese Yen (JY) Butterfly Spreads - Contracts 1-3+ (E-MICRO JPY/USD)								
MJY	Spec		New	USD			8	8
MJY	Hedge/Member		New	USD			8	8

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Japanese Yen (JY) Butterfly Spreads - Contracts 1-3+ (E-MINI J-YEN FUTURE)								
J7	Spec		New	USD			42	38
J7	Hedge/Member		New	USD			38	38
Japanese Yen (JY) Butterfly Spreads - Contracts 1-3+ (JAPANESE YEN FUTURES)								
JY	Spec		New	USD			84	76
JY	Hedge/Member		New	USD			76	76
Mexican Peso (MP) - All Months Consecutive Spreads (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			83	75
MP	Hedge/Member		New	USD			75	75
Mexican Peso (MP) Butterfly Spreads - Contracts 1-3+ (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			66	60
MP	Hedge/Member		New	USD			60	60
New Zealand Dollar (NE) - All Months Consecutive Spreads (NEW ZEALAND FUTURES)								
NE	Spec		New	USD			66	60
NE	Hedge/Member		New	USD			60	60
New Zealand Dollar (NE) Butterfly Spreads - Contracts 1-3+ (NEW ZEALAND FUTURES)								
NE	Spec		New	USD			66	60
NE	Hedge/Member		New	USD			60	60
Swiss Franc (SF) - All Months Consecutive Spreads (E-MICRO CHF/USD FUTURES)								
MSF	Spec		New	USD			17	15
MSF	Hedge/Member		New	USD			15	15
Swiss Franc (SF) - All Months Consecutive Spreads (SWISS FRANC FUTURES)								
SF	Spec		New	USD			165	150
SF	Hedge/Member		New	USD			150	150
Swiss Franc (SF) Butterfly Spreads - Contracts 1-3+ (E-MICRO CHF/USD FUTURES)								
MSF	Spec		New	USD			8	8
MSF	Hedge/Member		New	USD			8	8
Swiss Franc (SF) Butterfly Spreads - Contracts 1-3+ (SWISS FRANC FUTURES)								
SF	Spec		New	USD			83	75
SF	Hedge/Member		New	USD			75	75

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
WTI HOUSTON (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-HTT - CME) vs WTI MIDLAND (ARGUS) VS. WTI TRADE MONTH FUTURES (NY-WTT - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
EQUITY INDEX - Inter-commodity Spread Rates						
BTIC FTSE EMERGING INDEX FUTURES (DVE - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+7:-2	45%	45%	65%	65%
BTIC FTSE EMERGING INDEX FUTURES (DVE - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+4:-1	40%	40%	63%	63%
BTIC FTSE EMERGING INDEX FUTURES (DVE - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Increase	+2:-1	35%	35%	69%	69%
BTIC FTSE EMERGING INDEX FUTURES (DVE - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Increase	+20:-1	45%	45%	66%	66%
E-MINI DOW ($5) FUTURES (YM - CME) vs DJ US REAL ESTATE INDEX (JR - CME)						
Spread Credit Rate	Increase	+1:-2	40%	40%	51%	51%
E-MINI DOW ($5) FUTURES (YM - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	Increase	+3:-2	60%	60%	79%	79%
E-MINI DOW ($5) FUTURES (YM - CME) vs S&P 500 VALUE (SU - CME)						
Spread Credit Rate	Increase	+6:-2	80%	80%	94%	94%
E-MINI FTSE 100 INDEX (GBP) FUTURES (FT1 - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	52%	52%
E-MINI FTSE 100 INDEX (GBP) FUTURES (FT1 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+2:-1	25%	25%	20%	20%
E-MINI IPOX US INDEX FUTURES (IPO - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+5:-1	70%	70%	82%	82%
E-MINI IPOX US INDEX FUTURES (IPO - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+4:-1	70%	70%	87%	87%
E-MINI IPOX US INDEX FUTURES (IPO - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+25:-1	70%	70%	59%	59%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+2:-1	80%	80%	55%	55%
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs S&P 500 VALUE (SU - CME)						
Spread Credit Rate	Increase	+5:-1	50%	50%	69%	69%
E-MINI RUSSELL 1000 GROWTH INDEX FUTURES (RSG - CME) vs NIKKEI 225 DOLLAR-BASED (NK - 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	+2:-1	50%	50%	71%	71%
E-MINI RUSSELL 1000 INDEX FUTURES (RS1 - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	Increase	+2:-1	55%	55%	74%	74%
E-MINI RUSSELL 1000 INDEX FUTURES (RS1 - CME) vs S&P 500 (SP - CME)						
Spread Credit Rate	Decrease	+2:-1	90%	90%	85%	85%
E-MINI RUSSELL 1000 VALUE INDEX FUTURES (RSV - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	Increase	+2:-1	50%	50%	73%	73%
E-mini S&P 500 Futures vs USD-Denominated Ibovespa Futures						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs NIKKEI 225 FUTURES (NK)						
Spread Credit Rate	Increase	+3:-2	25%	25%	47%	47%
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+2:-1	50%	50%	66%	66%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Increase	+1:-2	40%	40%	68%	68%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)						
Spread Credit Rate	Increase	+1:-2	40%	40%	54%	54%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+1:-1	50%	50%	69%	69%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs EMINI SP 500 CONS STAPLES SECTOR IX (XAP)						
Spread Credit Rate	Decrease	+1:-1	25%	25%	20%	20%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs NIKKEI 225 FUTURES (NK)						
Spread Credit Rate	Increase	+3:-2	50%	50%	68%	68%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+2:-1	30%	30%	59%	59%
E-MINI SP500 CONS DISCRET SECTOR IX (XAY) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Decrease	+2:-1	75%	75%	70%	70%
EMINI SP500- HEALTH CARE SECT INDEX (XAV) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Decrease	+2:-1	45%	45%	40%	40%
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Increase	+1:-1	45%	45%	57%	57%
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs EMINI SP500-UTILITIES SECTOR INDEX (XAU)						
Spread Credit Rate	Increase	+1:-1	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						
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+2:-1	40%	40%	65%	65%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Increase	+1:-1	65%	65%	76%	76%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs NIKKEI 225 FUTURES (NK)						
Spread Credit Rate	Increase	+1:-1	35%	35%	67%	67%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+2:-1	65%	65%	87%	87%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs EMINI SP 500 CONS STAPLES SECTOR IX (XAP)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs EMINI SP500-UTILITIES SECTOR INDEX (XAU)						
Spread Credit Rate	Increase	+3:-2	50%	50%	62%	62%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Decrease	+3:-1	70%	70%	55%	55%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Increase	+1:-1	30%	30%	62%	62%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Increase	+1:-1	30%	30%	47%	47%
EMINI SP500-UTILITIES SECTOR INDEX (XAU) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Increase	+2:-1	45%	45%	66%	66%
E-MINI USD DENOMINATED FTSE 100 INDEX FUTURES (FTU - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Increase	+3:-1	58%	58%	76%	76%
FTSE EMERGING INDEX FUTURES (EI - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+2:-1	35%	35%	48%	48%
FTSE EMERGING INDEX FUTURES (EI - CME) vs E-MINI FTSE CHINA 50 INDEX FUTURES (FT5 - CME)						
Spread Credit Rate	Increase	+1:-2	60%	60%	72%	72%
FTSE EMERGING INDEX FUTURES (EI - CME) vs NIKKEI 225 DOLLAR-BASED (NK - CME)						
Spread Credit Rate	Increase	+2:-1	45%	45%	56%	56%
NIKKEI 225 DOLLAR-BASED (NK - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+2:-3	65%	65%	79%	79%
NIKKEI 225 DOLLAR-BASED (NK - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+2:-5	50%	50%	64%	64%
NIKKEI 225 DOLLAR-BASED (NK - CME) vs JAPANESE YEN (JY - CME)						
Spread Credit Rate	Increase	+1:+1	55%	55%	73%	73%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NIKKEI 225 Stock Index (NK) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Increase	+1:-1	55%	55%	69%	69%
NIKKEI 225 YEN-BASED (N1 - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+2:-5	50%	50%	62%	62%
S&P Midcap 400 (MD) vs. S&P 500 Value Index (SU)						
Spread Credit Rate	Increase	+5:-2	65%	65%	82%	82%
S&P SELECT SECTOR - CONSUMER DISCRETIONARY (XAY - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+6:-5	60%	60%	61%	61%
S&P SELECT SECTOR - CONSUMER DISCRETIONARY (XAY - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Increase	+12:-5	65%	65%	80%	80%
S&P SELECT SECTOR - ENERGY (XAE - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	66%	66%
S&P SELECT SECTOR - FINANCIAL (XAF - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
S&P SELECT SECTOR - FINANCIAL (XAF - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	Increase	+3:-2	50%	50%	67%	67%
S&P SELECT SECTOR - HEALTH CARE (XAV - CME) vs E-MINI DOW ($5) FUTURES (YM - CME)						
Spread Credit Rate	Increase	+3:-2	45%	45%	68%	68%
S&P SELECT SECTOR - HEALTH CARE (XAV - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	67%	67%
S&P SELECT SECTOR - INDUSTRIAL (XAI - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Increase	+12:-5	60%	60%	78%	78%
S&P SELECT SECTOR - INDUSTRIAL (XAI - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%
S&P SELECT SECTOR - MATERIALS (XAB - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+6:-5	55%	55%	70%	70%
S&P SELECT SECTOR - TECHNOLOGY (XAK - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Decrease	+2:-1	60%	60%	40%	40%
S&P SELECT SECTOR - TECHNOLOGY (XAK - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	Increase	+2:-1	40%	40%	59%	59%
S&P SELECT SECTOR - UTILITIES (XAU - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)						
Spread Credit Rate	Increase	+6:-5	45%	45%	70%	70%
S&P SELECT SECTOR - UTILITIES (XAU - CME) vs E-MINI S&P MIDCAP 400 (ME - CME)						
Spread Credit Rate	Increase	+3:-1	45%	45%	66%	66%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Yen-based Nikkei (N1) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Increase	+1:-1	55%	55%	69%	69%
FX - Inter-commodity Spread Rates						
NIKKEI 225 DOLLAR-BASED (NK - CME) vs JAPANESE YEN (JY - CME)						
Spread Credit Rate	Increase	+1:+1	55%	55%	73%	73%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
INTEREST RATES - Inter-commodity Spread Rates						
10 Year Treasury Note (21) vs. Fed Funds (41) Tier 3 (Months 5-12)						
Spread Credit Rate	Increase	+1:-2	0%	0%	25%	25%
10 Year Treasury Note (21) vs. Fed Funds (41) Tier 4 (Months 13-24)						
Spread Credit Rate	Increase	+1:-2	25%	25%	45%	45%
10 Year Treasury Note (21) vs. Fed Funds (41) Tier 5 (Months 25+)						
Spread Credit Rate	Increase	+1:-2	25%	25%	45%	45%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 02						
Spread Credit Rate	Increase	+2:-3	65%	65%	80%	80%
2 Year Treasury Note (26) vs. Eurodollar (ED) Tier 03						
Spread Credit Rate	Increase	+2:-3	70%	70%	80%	80%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 2 (Months 2-4)						
Spread Credit Rate	Increase	+1:-1	25%	25%	35%	35%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 3 (Months 5-12)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 4 (Months 13-24)						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 5 (Months 25+)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
5 Year Treasury Note (25) vs. Fed Funds (CBOT) (41) Tier 3 (Months 5-12)						
Spread Credit Rate	Increase	+2:-3	25%	25%	35%	35%
5 Year Treasury Note (25) vs. Fed Funds (CBOT) (41) Tier 4 (Months 13-24)						
Spread Credit Rate	Increase	+2:-3	35%	35%	50%	50%
5 Year Treasury Note (25) vs. Fed Funds (CBOT) (41) Tier 5 (Months 25+)						
Spread Credit Rate	Increase	+2:-3	35%	35%	50%	50%
5-YEAR T-NOTE (25 - CME) vs 2-YEAR T-NOTE (26 - CME)						
Spread Credit Rate	Increase	+5:-6	75%	75%	80%	80%
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Increase	+3:-5	0%	0%	20%	20%
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 6 [contracts 21-24]						
Spread Credit Rate	Increase	+3:-5	15%	15%	20%	20%
Fed Funds (CBOT) (41) Tier 1 [contract 1] vs. Eurodollar (ED) Tier 7 [contracts 25-28]						
Spread Credit Rate	Increase	+3:-5	0%	0%	20%	20%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Increase	+3:-5	65%	65%	80%	80%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Increase	+3:-5	55%	55%	75%	75%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Increase	+3:-5	25%	25%	45%	45%
Fed Funds (CBOT) (41) Tier 2 [contracts 2-4] vs. Eurodollar (ED) Tier 7 [contracts 25-28]						
Spread Credit Rate	Increase	+3:-5	0%	0%	25%	25%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Increase	+3:-5	60%	60%	80%	80%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Increase	+3:-5	55%	55%	75%	75%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Increase	+3:-5	45%	45%	60%	60%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 6 [contracts 21-24]						
Spread Credit Rate	Increase	+3:-5	25%	25%	40%	40%
Fed Funds (CBOT) (41) Tier 3 [contracts 5-12] vs. Eurodollar (ED) Tier 7 [contracts 25-28]						
Spread Credit Rate	Increase	+3:-5	0%	0%	30%	30%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 1 [contracts 1-4]						
Spread Credit Rate	Increase	+3:-5	40%	40%	60%	60%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 2 [contracts 5-8]						
Spread Credit Rate	Increase	+3:-5	60%	60%	75%	75%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Increase	+3:-5	60%	60%	80%	80%
Fed Funds (CBOT) (41) Tier 4 [contracts 13-24] vs Eurodollar (ED) Tier 7 [contracts 25-28]						
Spread Credit Rate	Increase	+3:-5	30%	30%	40%	40%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 10 [contracts 37-40]						
Spread Credit Rate	Increase	+3:-5	35%	35%	60%	60%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 11 [contracts 41-44]						
Spread Credit Rate	Increase	+3:-5	45%	45%	60%	60%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 3 [contracts 9-12]						
Spread Credit Rate	Increase	+3:-5	55%	55%	80%	80%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 4 [contracts 13-16]						
Spread Credit Rate	Increase	+3:-5	70%	70%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 5 [contracts 17-20]						
Spread Credit Rate	Increase	+3:-5	70%	70%	80%	80%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 6 [contracts 21-24]						
Spread Credit Rate	Increase	+3:-5	70%	70%	80%	80%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 7 [contracts 25-28]						
Spread Credit Rate	Increase	+3:-5	35%	35%	60%	60%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 8 [contracts 29-32]						
Spread Credit Rate	Increase	+3:-5	45%	45%	60%	60%
Fed Funds (CBOT) (41) Tier 5 [contracts 25+] vs Eurodollar (ED) Tier 9 [contracts 33-36]						
Spread Credit Rate	Increase	+3:-5	45%	45%	60%	60%
Scan Based Treasury Spread: Ultralong Bond (UBE) vs. Bond (17) vs. Ultra 10 Year (TN) vs. 10 Year (21) vs. 5 Year (25)						
Spread Credit Rate	Increase	3:4:8:12:20	70%	70%	75%	75%
U.S. Treasury Bond (17) vs. 2-Year T-Note (26)						
Spread Credit Rate	Increase	+1:-6	45%	45%	60%	60%
U.S. Treasury Bond (17) vs. Fed Funds (CBOT) (41) Tier 4 (Months 13-24)						
Spread Credit Rate	Increase	+1:-5	20%	20%	30%	30%
U.S. Treasury Bond (17) vs. Fed Funds (CBOT) (41) Tier 5 (Months 25+)						
Spread Credit Rate	Increase	+1:-5	20%	20%	30%	30%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs FED FUNDS (41 - CME) Tier 3 (Months 5-12)						
Spread Credit Rate	New	+1:-3			25%	25%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs FED FUNDS (41 - CME) Tier 4 (Months 13-24)						
Spread Credit Rate	New	+1:-3			45%	45%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs FED FUNDS (41 - CME) Tier 5 (Months 25+)						
Spread Credit Rate	New	+1:-3			45%	45%
Ultra 10-Year U.S. Treasury Note Futures vs. 2 Year Treasury Note						
Spread Credit Rate	Increase	+1:-3	55%	55%	70%	70%
ULTRA LONG TREASURY BOND (UBE - CME) vs 2 YR NOTE (26 - CME)						
Spread Credit Rate	Increase	+1:-8	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						

NATURAL GAS - Inter-commodity Spread Rates

CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME)

Spread Credit Rate	New	+1:-1			59%	59%

CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME)

Spread Credit Rate	Increase	+1:-1	40%	40%	61%	61%

CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME)

Spread Credit Rate	Increase	+1:-1	55%	55%	68%	68%

CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)

Spread Credit Rate	Increase	+1:-1	0%	0%	53%	53%

CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)

Spread Credit Rate	Increase	+1:-1	69%	69%	72%	72%

CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME)

Spread Credit Rate	Increase	+1:-1	15%	15%	29%	29%

COLUMBIA GULF MAINLINE BASIS SWAP (PLATTS IFERC) FUTURES (NY-5Z - CME) vs TENNESSEE 800 LEG BASIS SWAP (PLATTS IFERC) FUTURES (NY-6Z - CME)

Spread Credit Rate	Increase	+1:-1	25%	25%	71%	71%

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	55%	55%	66%	66%

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	55%	55%	69%	69%

HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)

Spread Credit Rate	Increase	+1:-1	30%	30%	65%	65%

KERN RIVER BASIS SWAP (PLATTS IFERC) FUTURES (NY-NV - CME) vs MALIN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PB - CME)

Spread Credit Rate	Decrease	+1:-1	75%	75%	56%	56%

NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)

Spread Credit Rate	Increase	+1:-1	25%	25%	51%	51%

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	40%	40%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs WAHA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NW - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	64%	64%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)						
Spread Credit Rate	Increase	+1:-1	25%	25%	50%	50%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	59%	59%
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	55%	55%	67%	67%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	69%	69%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	52%	52%
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	55%	55%	60%	60%
SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME) vs NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	53%	53%
SUMAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-NK - CME) vs DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME)						
Spread Credit Rate	New	+1:-1			29%	29%
SUMAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-NK - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	New	+1:-1			52%	52%
TENNESSEE ZONE 0 BASIS SWAP (PLATTS IFERC) FUTURES (NY-NQ - CME) vs TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
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	50%	50%	60%	60%