17-006

TO:	Clearing Member Firms Chief Financial Officers Back Office Managers Margin Managers
FROM:	CME Clearing
SUBJECT:	Performance Bond Requirements
DATE:	Thursday, January 05, 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 rates will be effective after the close of business on

Friday, January 06, 2017.

Current rates as of:

Thursday, January 05, 2017.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ELECTRICITY - Outright Rates								
AEP-DAYTON HUB OFF-PEAK MONTHLY (VP)								
VP	Spec	Mnth 1	Increase	USD	3,850	3,500	4,950	4,500
VP	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,500	4,500
VP	Spec	Mnth 2	Increase	USD	3,300	3,000	4,840	4,400
VP	Hedge/Member	Mnth 2	Increase	USD	3,000	3,000	4,400	4,400
VP	Spec	Mnths 3-11	Increase	USD	2,970	2,700	4,400	4,000
VP	Hedge/Member	Mnths 3-11	Increase	USD	2,700	2,700	4,000	4,000
CAISO SP15 EZGNHUB5 PEAK CLN D (9Z)								
9Z	Spec	Days 7-14	Increase	USD	743	675	880	800
9Z	Hedge/Member	Days 7-14	Increase	USD	675	675	800	800
9Z	Spec	Days 15+	Increase	USD	743	675	880	800
9Z	Hedge/Member	Days 15+	Increase	USD	675	675	800	800
MID-COLUMBIA DAY AHEAD PEAK FIX PRI (MDC)								
MDC	Spec	Mnths 2-3	Increase	USD	385	350	550	500
MDC	Hedge/Member	Mnths 2-3	Increase	USD	350	350	500	500
MDC	Spec	Mnths 4-11	Increase	USD	358	325	495	450
MDC	Hedge/Member	Mnths 4-11	Increase	USD	325	325	450	450
MDC	Spec	Mnths 12+	Increase	USD	165	150	220	200
MDC	Hedge/Member	Mnths 12+	Increase	USD	150	150	200	200
NYISO J OFF-PEAK (KK)								
KK	Spec	Mnth 2	Increase	USD	6,600	6,000	7,700	7,000
KK	Hedge/Member	Mnth 2	Increase	USD	6,000	6,000	7,000	7,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ENVIRONMENTAL - Outright Rates								
IN DELIVERY MONTH EUA FUTURES (6T)								
6T	Spec	Mth 1	Increase	EUR	715	650	858	780
6T	Hedge/Member	Mth 1	Increase	EUR	650	650	780	780
6T	Spec	Mths 2+	Increase	EUR	715	650	858	780
6T	Hedge/Member	Mths 2+	Increase	EUR	650	650	780	780
EQUITY INDEX - Outright Rates								
USD-DENOMINATED IBOVESPA INDEX (IBV)								
IBV	Spec		Decrease	USD	12,485	11,350	11,594	10,540
IBV	Hedge/Member		Decrease	USD	11,350	11,350	10,540	10,540
METALS - Outright Rates								
LONDON SPOT GOLD FUTURES (GSP)								
GSP	Spec		New	USD			6,000	6,000
GSP	Hedge/Member		New	USD			6,000	6,000
LONDON SPOT SILVER FUTURES (SSP)								
SSP	Spec		New	USD			6,500	6,500
SSP	Hedge/Member		New	USD			6,500	6,500

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	2,640	2,400	3,300	3,000
B4	Hedge/Member	Mnth 1	Increase	USD	2,400	2,400	3,000	3,000
B4	Spec	Winter 2017/2018	Increase	USD	1,650	1,500	2,420	2,200
B4	Hedge/Member	Winter 2017/2018	Increase	USD	1,500	1,500	2,200	2,200
B4	Spec	APR 2018+	Increase	USD	1,925	1,750	2,420	2,200
B4	Hedge/Member	APR 2018+	Increase	USD	1,750	1,750	2,200	2,200
ANR OKLAHOMA (NE)								
NE	Spec	Mnth 1	Increase	USD	165	150	231	210
NE	Hedge/Member	Mnth 1	Increase	USD	150	150	210	210
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnth 1	Increase	USD	264	240	374	340
NH	Hedge/Member	Mnth 1	Increase	USD	240	240	340	340
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnth 1	Increase	USD	121	110	165	150
PD	Hedge/Member	Mnth 1	Increase	USD	110	110	150	150
PD	Spec	Mnths 2	Increase	USD	72	65	83	75
PD	Hedge/Member	Mnths 2	Increase	USD	65	65	75	75
PD	Spec	Mnths 3-6	Increase	USD	72	65	83	75
PD	Hedge/Member	Mnths 3-6	Increase	USD	65	65	75	75
PD	Spec	Mnths 7-12	Increase	USD	72	65	83	75
PD	Hedge/Member	Mnths 7-12	Increase	USD	65	65	75	75
PD	Spec	Mnths 13+	Increase	USD	72	65	83	75
PD	Hedge/Member	Mnths 13+	Increase	USD	65	65	75	75
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 2	Increase	USD	110	100	132	120
NL	Hedge/Member	Mnth 2	Increase	USD	100	100	120	120
NL	Spec	Mnths 3-6	Increase	USD	105	95	132	120
NL	Hedge/Member	Mnths 3-6	Increase	USD	95	95	120	120
NL	Spec	Mnths 7-12	Increase	USD	110	100	132	120
NL	Hedge/Member	Mnths 7-12	Increase	USD	100	100	120	120
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnths 2-6	Increase	USD	143	130	176	160
NR	Hedge/Member	Mnths 2-6	Increase	USD	130	130	160	160

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CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 3-6	Increase	USD	110	100	154	140
PM	Hedge/Member	Mths 3-6	Increase	USD	100	100	140	140
PM	Spec	Mths 7-12	Increase	USD	110	100	154	140
PM	Hedge/Member	Mths 7-12	Increase	USD	100	100	140	140
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Winter 2017/2018	Increase	USD	935	850	1,210	1,100
NZ	Hedge/Member	Winter 2017/2018	Increase	USD	850	850	1,100	1,100
VENTURA BASIS FUT (PF)								
PF	Spec	Mnth 1	Increase	USD	242	220	330	300
PF	Hedge/Member	Mnth 1	Increase	USD	220	220	300	300
PF	Spec	Mnths 2-5	Increase	USD	165	150	220	200
PF	Hedge/Member	Mnths 2-5	Increase	USD	150	150	200	200
PF	Spec	Mnths 6+	Increase	USD	231	210	308	280
PF	Hedge/Member	Mnths 6+	Increase	USD	210	210	280	280
NGL/PETROCHEMICALS - Outright Rates								
CONWAY NORMAL BUTANE FUT (8M)								
8M	Spec		Increase	USD	3,080	2,800	3,410	3,100
8M	Hedge/Member		Increase	USD	2,800	2,800	3,100	3,100
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Spec	Mnths 25+	Increase	USD	1,540	1,400	1,870	1,700
8K	Hedge/Member	Mnths 25+	Increase	USD	1,400	1,400	1,700	1,700
WEATHER - Outright Rates								
ATLANTA HDD FUTURE (H1)								
H1	Spec		Increase	USD	19%	17%	24%	22%
H1	Hedge/Member		Increase	USD	17%	17%	22%	22%

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 Month 4 (LIVE CATTLE FUTURES)								
LC	Spec		Increase	USD	715	650	770	700
LC	Hedge/Member		Increase	USD	650	650	700	700
Month 1 vs Month 4 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Spec		Increase	USD	715	650	770	700
LET	Hedge/Member		Increase	USD	650	650	700	700
Month 1 vs Months 8+ (LEAN HOG FUTURES)								
LN	Spec		Increase	USD	1,210	1,100	1,430	1,300
LN	Hedge/Member		Increase	USD	1,100	1,100	1,300	1,300
Month 1 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)								
HET	Spec		Increase	USD	1,210	1,100	1,430	1,300
HET	Hedge/Member		Increase	USD	1,100	1,100	1,300	1,300
Months 6+ vs Months 6+ (LIVE CATTLE FUTURES)								
LC	Spec		Increase	USD	495	450	605	550
LC	Hedge/Member		Increase	USD	450	450	550	550
Months 6+ vs Months 6+ (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Spec		Increase	USD	495	450	605	550
LET	Hedge/Member		Increase	USD	450	450	550	550
NATURAL GAS - Intra Spreads								
NORTH NAT GAS VENTURA, IOWA (PF) - All Months (VENTURA BASIS FUT)								
PF	Spec		Increase	USD	231	210	330	300
PF	Hedge/Member		Increase	USD	210	210	300	300
NGL/PETROCHEMICALS - Intra Spreads								
Conway Normal Butane (OPIS) Swap - All Months (CONWAY NORMAL BUTANE FUT)								
8M	Spec		Increase	USD	2,750	2,500	3,410	3,100
8M	Hedge/Member		Increase	USD	2,500	2,500	3,100	3,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
CBOT vs. KCBT Wheat						
Spread Credit Rate	Decrease	+1:-1	80%	80%	60%	60%
ELECTRICITY - Inter-commodity Spread Rates						
NYISO Zone J Peak LBMP Futures (NY-KJ-CME) vs NYISO Zone G Peak LBMP Futures (NY-KG-CME)						
Spread Credit Rate	New	+1:-5			50%	50%
NATURAL GAS - Inter-commodity Spread Rates						
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	70%	70%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - 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	Decrease	+1:-1	60%	60%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%