



17-404

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, October 19, 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, October 20, 2017.

Current rates as of:

Thursday, October 19, 2017.

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								
AGRICULTURE - Outright Rates								
CASH BUTTER FUTURES (CB)								
CB	Spec	Months 10+	Decrease	USD	1,705	1,550	1,375	1,250
CB	Hedge/Member	Months 10+	Decrease	USD	1,550	1,550	1,250	1,250
CASH CHEESE FUTURES (CSC)								
CSC	Spec	Mnths 6+	Decrease	USD	660	600	594	540
CSC	Hedge/Member	Mnths 6+	Decrease	USD	600	600	540	540
CLASS III MILK FUTURES (DA)								
DA	Spec	Less than 14 days to expire	Decrease	USD	495	450	440	400
DA	Hedge/Member	Less than 14 days to expire	Decrease	USD	450	450	400	400
DA	Spec	Month 1	Decrease	USD	495	450	440	400
DA	Hedge/Member	Month 1	Decrease	USD	450	450	400	400
DA	Spec	Months 2-5	Decrease	USD	1,100	1,000	990	900
DA	Hedge/Member	Months 2-5	Decrease	USD	1,000	1,000	900	900
DA	Spec	Months 6+	Decrease	USD	660	600	594	540
DA	Hedge/Member	Months 6+	Decrease	USD	600	600	540	540
MLK MID FUTURES (JQ)								
JQ	Spec	Less than 14 days to expire	Decrease	USD	248	225	220	200
JQ	Hedge/Member	Less than 14 days to expire	Decrease	USD	225	225	200	200
JQ	Spec	Month 1	Decrease	USD	248	225	220	200
JQ	Hedge/Member	Month 1	Decrease	USD	225	225	200	200
JQ	Spec	Months 2-5	Decrease	USD	550	500	495	450
JQ	Hedge/Member	Months 2-5	Decrease	USD	500	500	450	450
JQ	Spec	Months 6+	Decrease	USD	330	300	297	270
JQ	Hedge/Member	Months 6+	Decrease	USD	300	300	270	270
NONFAT DRY MILK FUTURES (NF)								
NF	Spec	Month 1	Decrease	USD	1,183	1,075	1,045	950
NF	Hedge/Member	Month 1	Decrease	USD	1,075	1,075	950	950
S&P GSCI ENHANCED ER SWAP FUT (RRE)								
RRE	Spec		Decrease	USD	935	850	825	750
RRE	Hedge/Member		Decrease	USD	850	850	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ELECTRICITY - Outright Rates

ITALIAN POWER BASELOAD GME CAL FUT (ITB)

ITB	Spec	Mnth 3	Increase	EUR	1,650	1,500	1,815	1,650
ITB	Hedge/Member	Mnth 3	Increase	EUR	1,500	1,500	1,650	1,650

ITALIAN POWER PEAKLOAD GME CAL FUT (ITP)

ITP	Spec	Mnth 2	Increase	EUR	990	900	1,100	1,000
ITP	Hedge/Member	Mnth 2	Increase	EUR	900	900	1,000	1,000
ITP	Spec	Mnth 3	Increase	EUR	550	500	688	625
ITP	Hedge/Member	Mnth 3	Increase	EUR	500	500	625	625
ITP	Spec	Mnths 4-9	Increase	EUR	440	400	550	500
ITP	Hedge/Member	Mnths 4-9	Increase	EUR	400	400	500	500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EQUITY INDEX - Outright Rates								
BTIC EMINI FTSE CHINA 50 INDEX (FTC)								
FTC	Spec		Increase	USD	1,540	1,400	1,705	1,550
FTC	Hedge/Member		Increase	USD	1,400	1,400	1,550	1,550
BTIC EMINI RUSSELL1000 INDEX FUT (R1T)								
R1T	Spec		Decrease	USD	2,585	2,350	2,365	2,150
R1T	Hedge/Member		Decrease	USD	2,350	2,350	2,150	2,150
BTIC EMINI USD FTSE 100 INDEX FUT (FTB)								
FTB	Spec		Decrease	USD	2,200	2,000	1,925	1,750
FTB	Hedge/Member		Decrease	USD	2,000	2,000	1,750	1,750
BTIC ON EMINI RUSSELL 1000 VALUE (RVT)								
RVT	Spec		Decrease	USD	2,310	2,100	1,980	1,800
RVT	Hedge/Member		Decrease	USD	2,100	2,100	1,800	1,800
EMINI FTSE CHINA 50 INDEX FUTURE (FT5)								
FT5	Spec		Increase	USD	1,540	1,400	1,705	1,550
FT5	Hedge/Member		Increase	USD	1,400	1,400	1,550	1,550
EMINI FTSE CHINA50 INDEX SYN MARKER (FTY)								
FTY	Spec		Increase	USD	1,540	1,400	1,705	1,550
FTY	Hedge/Member		Increase	USD	1,400	1,400	1,550	1,550
E-MINI NIFTY 50 INDEX FUTURES (II)								
II	Spec		Increase	USD	715	650	880	800
II	Hedge/Member		Increase	USD	650	650	800	800
EMINI RUSSELL 1000 INDEX FUTURES (RS1)								
RS1	Spec		Decrease	USD	2,585	2,350	2,365	2,150
RS1	Hedge/Member		Decrease	USD	2,350	2,350	2,150	2,150
EMINI RUSSELL 1000 VALUE (RSV)								
RSV	Spec		Decrease	USD	2,310	2,100	1,980	1,800
RSV	Hedge/Member		Decrease	USD	2,100	2,100	1,800	1,800
EMINI SP 500 ENERGY SECTOR INDEX (XAE)								
XAE	Spec		Decrease	USD	3,190	2,900	2,860	2,600
XAE	Hedge/Member		Decrease	USD	2,900	2,900	2,600	2,600
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)								
XAK	Spec		Decrease	USD	2,310	2,100	2,035	1,850
XAK	Hedge/Member		Decrease	USD	2,100	2,100	1,850	1,850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EMINI USD FTSE 100 INDEX FUTURE (FTU)								
FTU	Spec		Decrease	USD	2,200	2,000	1,925	1,750
FTU	Hedge/Member		Decrease	USD	2,000	2,000	1,750	1,750
EMINI USD FTSE100 VALUE SYN MARKER (FTZ)								
FTZ	Spec		Decrease	USD	2,200	2,000	1,925	1,750
FTZ	Hedge/Member		Decrease	USD	2,000	2,000	1,750	1,750
SP 500 ENERGY SELECT SECTOR TIC (XET)								
XET	Spec		Decrease	USD	3,190	2,900	2,860	2,600
XET	Hedge/Member		Decrease	USD	2,900	2,900	2,600	2,600
SP 500 ENERGY SLCT SEC SYNTHETIC (1ET)								
1ET	Spec		Decrease	USD	3,190	2,900	2,860	2,600
1ET	Hedge/Member		Decrease	USD	2,900	2,900	2,600	2,600
SP 500 TECHNOLOGY SECTOR SYNTH (1KT)								
1KT	Spec		Decrease	USD	2,310	2,100	2,035	1,850
1KT	Hedge/Member		Decrease	USD	2,100	2,100	1,850	1,850
SP 500 TECHNOLOGY SECTOR TIC (XKT)								
XKT	Spec		Decrease	USD	2,310	2,100	2,035	1,850
XKT	Hedge/Member		Decrease	USD	2,100	2,100	1,850	1,850
ERIS Standards - Outright Rates								
10-YR INT RATE SWAP SEC COUPON (ZC9210)								
ZC9210Spec	Months 1-6	Decrease	USD	1,705	1,550	1,595	1,450	
ZC9210Hedge/Member	Months 1-6	Decrease	USD	1,550	1,550	1,450	1,450	
ZC9210Spec	Months 7 - 13	Decrease	USD	1,815	1,650	1,650	1,500	
ZC9210Hedge/Member	Months 7 - 13	Decrease	USD	1,650	1,650	1,500	1,500	
ZC9210Spec	Months 14 - 19	Decrease	USD	1,980	1,800	1,815	1,650	
ZC9210Hedge/Member	Months 14 - 19	Decrease	USD	1,800	1,800	1,650	1,650	
ZC9210Spec	Months 20+	Decrease	USD	1,980	1,800	1,815	1,650	
ZC9210Hedge/Member	Months 20+	Decrease	USD	1,800	1,800	1,650	1,650	
ERIS STANDARD 10Y INT RATE SWAP FUT (ZC9110)								
ZC9110 Spec	Contracts 1-4	Decrease	USD	1,210	1,100	1,100	1,000	
ZC9110 Hedge/Member	Contracts 1-4	Decrease	USD	1,100	1,100	1,000	1,000	
ZC9110 Spec	Contracts 5-8	Decrease	USD	1,485	1,350	1,375	1,250	
ZC9110 Hedge/Member	Contracts 5-8	Decrease	USD	1,350	1,350	1,250	1,250	
ZC9110 Spec	Contracts 9+	Decrease	USD	1,650	1,500	1,485	1,350	
ZC9110 Hedge/Member	Contracts 9+	Decrease	USD	1,500	1,500	1,350	1,350	

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
AD/NE CROSS RATE FUTURES (AN)								
AN	Spec		Decrease	NZD	3,960	3,600	3,630	3,300
AN	Hedge/Member		Decrease	NZD	3,600	3,600	3,300	3,300
BPSF FUTURE (BF)								
BF	Spec		Decrease	CHF	4,620	4,200	4,070	3,700
BF	Hedge/Member		Decrease	CHF	4,200	4,200	3,700	3,700
CME BLOOMBERG DOLLAR SPOT INDEX FUT (BDI)								
BDI	Spec		Increase	USD	1,650	1,500	1,925	1,750
BDI	Hedge/Member		Increase	USD	1,500	1,500	1,750	1,750
EC/NKR FUTURES (CN)								
CN	Spec		Decrease	NOK	18,150	16,500	16,500	15,000
CN	Hedge/Member		Decrease	NOK	16,500	16,500	15,000	15,000
EC/SKR CROSS RATE FUTURES (KE)								
KE	Spec		Decrease	SEK	18,150	16,500	15,400	14,000
KE	Hedge/Member		Decrease	SEK	16,500	16,500	14,000	14,000
U.S. DOLLAR S.A. RAND FUTURES (ZAR)								
ZAR	Spec		Decrease	ZAR	57,200	52,000	54,450	49,500
ZAR	Hedge/Member		Decrease	ZAR	52,000	52,000	49,500	49,500
INTEREST RATES - Outright Rates								
10Y TREASURY NOTE FUTURES (21)								
21	Spec		Decrease	USD	1,265	1,150	1,155	1,050
21	Hedge/Member		Decrease	USD	1,150	1,150	1,050	1,050
10-YEAR USD MAC SWAP FUTURES (N1U)								
N1U	Spec		Decrease	USD	1,650	1,500	1,485	1,350
N1U	Hedge/Member		Decrease	USD	1,500	1,500	1,350	1,350
ONE MONTH EURODOLLAR FUTURES (EM)								
EM	Spec	Mnth 1-4	Decrease	USD	220	200	193	175
EM	Hedge/Member	Mnth 1-4	Decrease	USD	200	200	175	175
EM	Spec	Mnth 5+	Decrease	USD	330	300	286	260
EM	Hedge/Member	Mnth 5+	Decrease	USD	300	300	260	260

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

METALS - Outright Rates

LEAD FUTURES (LED)

LED	Spec	Mth 1	Decrease	USD	2,860	2,600	2,200	2,000
LED	Hedge/Member	Mth 1	Decrease	USD	2,600	2,600	2,000	2,000
LED	Spec	Mths 2-3	Decrease	USD	2,860	2,600	2,200	2,000
LED	Hedge/Member	Mths 2-3	Decrease	USD	2,600	2,600	2,000	2,000
LED	Spec	Mths 4-6	Decrease	USD	2,860	2,600	2,200	2,000
LED	Hedge/Member	Mths 4-6	Decrease	USD	2,600	2,600	2,000	2,000
LED	Spec	Mths 7+	Decrease	USD	2,860	2,600	2,200	2,000
LED	Hedge/Member	Mths 7+	Decrease	USD	2,600	2,600	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NATURAL GAS - Outright Rates								
ALGONQUIN CITYGATES BASIS (B4)								
B4	Spec	Mnth 1	Increase	USD	2,530	2,300	3,025	2,750
B4	Hedge/Member	Mnth 1	Increase	USD	2,300	2,300	2,750	2,750
B4	Spec	Mnth 2	Increase	USD	1,815	1,650	2,200	2,000
B4	Hedge/Member	Mnth 2	Increase	USD	1,650	1,650	2,000	2,000
B4	Spec	Winter 2016/2017	Increase	USD	1,320	1,200	1,595	1,450
B4	Hedge/Member	Winter 2016/2017	Increase	USD	1,200	1,200	1,450	1,450
B4	Spec	Winter 2017/2018	Increase	USD	1,320	1,200	1,595	1,450
B4	Hedge/Member	Winter 2017/2018	Increase	USD	1,200	1,200	1,450	1,450
B4	Spec	APR 2018+	Increase	USD	1,320	1,200	1,595	1,450
B4	Hedge/Member	APR 2018+	Increase	USD	1,200	1,200	1,450	1,450
ANR OKLAHOMA (NE)								
NE	Spec	Mnth 1	Increase	USD	187	170	220	200
NE	Hedge/Member	Mnth 1	Increase	USD	170	170	200	200
NE	Spec	Mnth 2	Increase	USD	165	150	198	180
NE	Hedge/Member	Mnth 2	Increase	USD	150	150	180	180
NE	Spec	Mnths 3-7	Increase	USD	143	130	171	155
NE	Hedge/Member	Mnths 3-7	Increase	USD	130	130	155	155
NE	Spec	Mnths 8-14	Increase	USD	88	80	105	95
NE	Hedge/Member	Mnths 8-14	Increase	USD	80	80	95	95
NE	Spec	Mnths 15+	Increase	USD	88	80	105	95
NE	Hedge/Member	Mnths 15+	Increase	USD	80	80	95	95
CIG BASIS (CI)								
CI	Spec	Mnth 1	Increase	USD	297	270	358	325
CI	Hedge/Member	Mnth 1	Increase	USD	270	270	325	325
CI	Spec	Mnths 2-6	Increase	USD	99	90	121	110
CI	Hedge/Member	Mnths 2-6	Increase	USD	90	90	110	110
CI	Spec	Mnths 7-12	Increase	USD	72	65	88	80
CI	Hedge/Member	Mnths 7-12	Increase	USD	65	65	80	80
CI	Spec	Mnths 13-32	Increase	USD	99	90	121	110
CI	Hedge/Member	Mnths 13-32	Increase	USD	90	90	110	110
CI	Spec	Mnths 33+	Increase	USD	165	150	198	180
CI	Hedge/Member	Mnths 33+	Increase	USD	150	150	180	180

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COLUMB GULF MAINLINE NG BASIS (5Z)								
5Z	Spec	Mnth 1	Increase	USD	44	40	55	50
5Z	Hedge/Member	Mnth 1	Increase	USD	40	40	50	50
5Z	Spec	Mnths 2-5	Increase	USD	33	30	39	35
5Z	Hedge/Member	Mnths 2-5	Increase	USD	30	30	35	35
5Z	Spec	Mnths 6-12	Increase	USD	33	30	39	35
5Z	Hedge/Member	Mnths 6-12	Increase	USD	30	30	35	35
5Z	Spec	Mnths 13-24	Increase	USD	33	30	39	35
5Z	Hedge/Member	Mnths 13-24	Increase	USD	30	30	35	35
5Z	Spec	Mnths 25+	Increase	USD	39	35	44	40
5Z	Hedge/Member	Mnths 25+	Increase	USD	35	35	40	40
COLUMBIA GULF ONSHORE BASIS FUT (GL)								
GL	Spec	Mnth 1	Increase	USD	39	35	44	40
GL	Hedge/Member	Mnth 1	Increase	USD	35	35	40	40
GL	Spec	Mnth 2	Increase	USD	28	25	33	30
GL	Hedge/Member	Mnth 2	Increase	USD	25	25	30	30
GL	Spec	Mnths 3-7	Increase	USD	28	25	33	30
GL	Hedge/Member	Mnths 3-7	Increase	USD	25	25	30	30
GL	Spec	Mnths 8-19	Increase	USD	28	25	33	30
GL	Hedge/Member	Mnths 8-19	Increase	USD	25	25	30	30
GL	Spec	Mnths 19+	Increase	USD	28	25	33	30
GL	Hedge/Member	Mnths 19+	Increase	USD	25	25	30	30
DOMINION BASIS FUT (PLATTS IFERC) (PG)								
PG	Spec	Mnth 1	Increase	USD	451	410	539	490
PG	Hedge/Member	Mnth 1	Increase	USD	410	410	490	490
PG	Spec	Mnth 2	Increase	USD	451	410	539	490
PG	Hedge/Member	Mnth 2	Increase	USD	410	410	490	490
PG	Spec	Mnths 3-8	Increase	USD	407	370	484	440
PG	Hedge/Member	Mnths 3-8	Increase	USD	370	370	440	440
PG	Spec	Mnths 9-20	Increase	USD	341	310	407	370
PG	Hedge/Member	Mnths 9-20	Increase	USD	310	310	370	370
PG	Spec	Mnths 21+	Increase	USD	341	310	407	370
PG	Hedge/Member	Mnths 21+	Increase	USD	310	310	370	370

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ENABLE NAT GAS BASIS FUT (PW)								
PW	Spec	Mnth 1	Increase	USD	110	100	132	120
PW	Hedge/Member	Mnth 1	Increase	USD	100	100	120	120
PW	Spec	Mnths 2-2	Increase	USD	66	60	77	70
PW	Hedge/Member	Mnths 2-2	Increase	USD	60	60	70	70
PW	Spec	Mnths 3-6	Increase	USD	66	60	77	70
PW	Hedge/Member	Mnths 3-6	Increase	USD	60	60	70	70
PW	Spec	Mnths 7-19	Increase	USD	66	60	77	70
PW	Hedge/Member	Mnths 7-19	Increase	USD	60	60	70	70
PW	Spec	Mnths 20+	Increase	USD	66	60	77	70
PW	Hedge/Member	Mnths 20+	Increase	USD	60	60	70	70
HENRY HUB BASIS FUT (HB)								
HB	Spec	Mnth 1	Increase	USD	11	10	13	12
HB	Hedge/Member	Mnth 1	Increase	USD	10	10	12	12
HB	Spec	Mnth 2	Increase	USD	7	6	8	7
HB	Hedge/Member	Mnth 2	Increase	USD	6	6	7	7
HB	Spec	Mnths 3-7	Increase	USD	6	5	7	6
HB	Hedge/Member	Mnths 3-7	Increase	USD	5	5	6	6
HB	Spec	Mnths 8-14	Increase	USD	6	5	7	6
HB	Hedge/Member	Mnths 8-14	Increase	USD	5	5	6	6
HB	Spec	Mnths 15+	Increase	USD	6	5	7	6
HB	Hedge/Member	Mnths 15+	Increase	USD	5	5	6	6
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnth 1	Increase	USD	110	100	132	120
NH	Hedge/Member	Mnth 1	Increase	USD	100	100	120	120
NH	Spec	Mnth 2	Increase	USD	66	60	77	70
NH	Hedge/Member	Mnth 2	Increase	USD	60	60	70	70
NH	Spec	Mnths 3-6	Increase	USD	66	60	77	70
NH	Hedge/Member	Mnths 3-6	Increase	USD	60	60	70	70
NH	Spec	Mnths 7-12	Increase	USD	66	60	77	70
NH	Hedge/Member	Mnths 7-12	Increase	USD	60	60	70	70
NH	Spec	Mnths 13-21	Increase	USD	66	60	77	70
NH	Hedge/Member	Mnths 13-21	Increase	USD	60	60	70	70
NH	Spec	Mnths 22+	Increase	USD	77	70	94	85
NH	Hedge/Member	Mnths 22+	Increase	USD	70	70	85	85
LNG DES JAPAN (RIM) FUTURES (JNG)								
JNG	Spec		Decrease	USD	6,600	6,000	4,400	4,000
JNG	Hedge/Member		Decrease	USD	6,000	6,000	4,000	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LNG JAPAN KOREA MARKER PLATTS FUT (JKM)								
JKM	Spec	Month 1	Decrease	USD	4,070	3,700	2,970	2,700
JKM	Hedge/Member	Month 1	Decrease	USD	3,700	3,700	2,700	2,700
JKM	Spec	Month 3+	Decrease	USD	4,070	3,700	3,630	3,300
JKM	Hedge/Member	Month 3+	Decrease	USD	3,700	3,700	3,300	3,300
MICHIGAN BASIS (NF)								
NF	Spec	Mnth 1	Increase	USD	143	130	171	155
NF	Hedge/Member	Mnth 1	Increase	USD	130	130	155	155
NF	Spec	Mnth 2	Increase	USD	110	100	132	120
NF	Hedge/Member	Mnth 2	Increase	USD	100	100	120	120
NF	Spec	Mnths 3-4	Increase	USD	110	100	132	120
NF	Hedge/Member	Mnths 3-4	Increase	USD	100	100	120	120
NF	Spec	Mnths 5-12	Increase	USD	77	70	94	85
NF	Hedge/Member	Mnths 5-12	Increase	USD	70	70	85	85
NF	Spec	Mnths 13+	Increase	USD	105	95	127	115
NF	Hedge/Member	Mnths 13+	Increase	USD	95	95	115	115
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnth 1	Increase	USD	88	80	110	100
PD	Hedge/Member	Mnth 1	Increase	USD	80	80	100	100
PD	Spec	Mnths 2	Increase	USD	55	50	66	60
PD	Hedge/Member	Mnths 2	Increase	USD	50	50	60	60
PD	Spec	Mnths 3-6	Increase	USD	55	50	66	60
PD	Hedge/Member	Mnths 3-6	Increase	USD	50	50	60	60
PD	Spec	Mnths 7-12	Increase	USD	55	50	66	60
PD	Hedge/Member	Mnths 7-12	Increase	USD	50	50	60	60
PD	Spec	Mnths 13+	Increase	USD	55	50	66	60
PD	Hedge/Member	Mnths 13+	Increase	USD	50	50	60	60

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CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 1	Increase	USD	132	120	160	145
NL	Hedge/Member	Mnth 1	Increase	USD	120	120	145	145
NL	Spec	Mnth 2	Increase	USD	83	75	99	90
NL	Hedge/Member	Mnth 2	Increase	USD	75	75	90	90
NL	Spec	Mnths 3-6	Increase	USD	83	75	99	90
NL	Hedge/Member	Mnths 3-6	Increase	USD	75	75	90	90
NL	Spec	Mnths 7-12	Increase	USD	83	75	99	90
NL	Hedge/Member	Mnths 7-12	Increase	USD	75	75	90	90
NL	Spec	Mnths 13-25	Increase	USD	94	85	110	100
NL	Hedge/Member	Mnths 13-25	Increase	USD	85	85	100	100
NL	Spec	Mnths 26-49	Increase	USD	94	85	110	100
NL	Hedge/Member	Mnths 26-49	Increase	USD	85	85	100	100
NL	Spec	Mnths 50+	Increase	USD	94	85	110	100
NL	Hedge/Member	Mnths 50+	Increase	USD	85	85	100	100
NORTHERN NATURAL GAS DEMAR BASIS FU (PE)								
PE	Spec	Mnth 1	Increase	USD	303	275	363	330
PE	Hedge/Member	Mnth 1	Increase	USD	275	275	330	330
PE	Spec	Mnths 2-5	Increase	USD	176	160	209	190
PE	Hedge/Member	Mnths 2-5	Increase	USD	160	160	190	190
PE	Spec	Mnths 6+	Increase	USD	176	160	209	190
PE	Hedge/Member	Mnths 6+	Increase	USD	160	160	190	190
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Increase	USD	165	150	198	180
NR	Hedge/Member	Mnth 1	Increase	USD	150	150	180	180
NR	Spec	Mnths 2-6	Increase	USD	110	100	132	120
NR	Hedge/Member	Mnths 2-6	Increase	USD	100	100	120	120
NR	Spec	Mnths 7-9	Increase	USD	110	100	132	120
NR	Hedge/Member	Mnths 7-9	Increase	USD	100	100	120	120
NR	Spec	Mnths 10-16	Increase	USD	110	100	132	120
NR	Hedge/Member	Mnths 10-16	Increase	USD	100	100	120	120
NR	Spec	Mnths 17+	Increase	USD	110	100	132	120
NR	Hedge/Member	Mnths 17+	Increase	USD	100	100	120	120

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ONEOK OKLAHOMA NG BASIS (8X)								
8X	Spec	Mnth 1	Increase	USD	165	150	198	180
8X	Hedge/Member	Mnth 1	Increase	USD	150	150	180	180
8X	Spec	Mnth 2	Increase	USD	138	125	165	150
8X	Hedge/Member	Mnth 2	Increase	USD	125	125	150	150
8X	Spec	Mnths 3-7	Increase	USD	138	125	165	150
8X	Hedge/Member	Mnths 3-7	Increase	USD	125	125	150	150
8X	Spec	Mnths 8-20	Increase	USD	138	125	165	150
8X	Hedge/Member	Mnths 8-20	Increase	USD	125	125	150	150
8X	Spec	Mnths 21+	Increase	USD	138	125	165	150
8X	Hedge/Member	Mnths 21+	Increase	USD	125	125	150	150
PANHANDLE BASIS FUT (PH)								
PH	Spec	Mnth 1	Increase	USD	154	140	187	170
PH	Hedge/Member	Mnth 1	Increase	USD	140	140	170	170
PH	Spec	Mnth 2	Increase	USD	110	100	132	120
PH	Hedge/Member	Mnth 2	Increase	USD	100	100	120	120
PH	Spec	Winter 2016/2017	Increase	USD	110	100	132	120
PH	Hedge/Member	Winter 2016/2017	Increase	USD	100	100	120	120
PH	Spec	Winter 2017-2018	Increase	USD	110	100	132	120
PH	Hedge/Member	Winter 2017-2018	Increase	USD	100	100	120	120
PH	Spec	APR 2018+	Increase	USD	110	100	132	120
PH	Hedge/Member	APR 2018+	Increase	USD	100	100	120	120
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 1	Increase	USD	220	200	264	240
PM	Hedge/Member	Mths 1	Increase	USD	200	200	240	240
PM	Spec	Mths 2	Increase	USD	132	120	160	145
PM	Hedge/Member	Mths 2	Increase	USD	120	120	145	145
PM	Spec	Mths 3-6	Increase	USD	132	120	160	145
PM	Hedge/Member	Mths 3-6	Increase	USD	120	120	145	145
PM	Spec	Mths 7-12	Increase	USD	132	120	160	145
PM	Hedge/Member	Mths 7-12	Increase	USD	120	120	145	145
PM	Spec	Mths 13+	Increase	USD	132	120	160	145
PM	Hedge/Member	Mths 13+	Increase	USD	120	120	145	145

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SAN JUAN BASIS FUT (NJ)								
NJ	Spec	Mth 1	Increase	USD	220	200	264	240
NJ	Hedge/Member	Mth 1	Increase	USD	200	200	240	240
NJ	Spec	Mth 2	Increase	USD	154	140	187	170
NJ	Hedge/Member	Mth 2	Increase	USD	140	140	170	170
NJ	Spec	Mths 3-6	Increase	USD	154	140	187	170
NJ	Hedge/Member	Mths 3-6	Increase	USD	140	140	170	170
NJ	Spec	Mths 7-12	Increase	USD	154	140	187	170
NJ	Hedge/Member	Mths 7-12	Increase	USD	140	140	170	170
NJ	Spec	Mths 13+	Increase	USD	154	140	187	170
NJ	Hedge/Member	Mths 13+	Increase	USD	140	140	170	170
SONAT BASIS FUT (SZ)								
SZ	Spec	Mnth 1	Increase	USD	66	60	77	70
SZ	Hedge/Member	Mnth 1	Increase	USD	60	60	70	70
SZ	Spec	Mnth 2	Increase	USD	50	45	61	55
SZ	Hedge/Member	Mnth 2	Increase	USD	45	45	55	55
SZ	Spec	Mnths 3-7	Increase	USD	39	35	44	40
SZ	Hedge/Member	Mnths 3-7	Increase	USD	35	35	40	40
SZ	Spec	Mnths 8-14	Increase	USD	55	50	66	60
SZ	Hedge/Member	Mnths 8-14	Increase	USD	50	50	60	60
SZ	Spec	Mnths 15+	Increase	USD	99	90	121	110
SZ	Hedge/Member	Mnths 15+	Increase	USD	90	90	110	110
SOUTH STAR TEX OKLHM KNS NG B (8Z)								
8Z	Spec	Mnth 1	Increase	USD	242	220	297	270
8Z	Hedge/Member	Mnth 1	Increase	USD	220	220	270	270
8Z	Spec	Mnth 2-2	Increase	USD	198	180	242	220
8Z	Hedge/Member	Mnth 2-2	Increase	USD	180	180	220	220
8Z	Spec	Mnths 3-7	Increase	USD	198	180	242	220
8Z	Hedge/Member	Mnths 3-7	Increase	USD	180	180	220	220
8Z	Spec	Mnths 8+	Increase	USD	198	180	242	220
8Z	Hedge/Member	Mnths 8+	Increase	USD	180	180	220	220

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SUMAS BASIS FUT (NK)								
NK	Spec	Mnth 1	Increase	USD	385	350	462	420
NK	Hedge/Member	Mnth 1	Increase	USD	350	350	420	420
NK	Spec	Mnths 2-5	Increase	USD	275	250	330	300
NK	Hedge/Member	Mnths 2-5	Increase	USD	250	250	300	300
NK	Spec	Mnths 6-14	Increase	USD	176	160	209	190
NK	Hedge/Member	Mnths 6-14	Increase	USD	160	160	190	190
NK	Spec	Mnths 15-34	Increase	USD	176	160	209	190
NK	Hedge/Member	Mnths 15-34	Increase	USD	160	160	190	190
NK	Spec	Mnths 35+	Increase	USD	176	160	209	190
NK	Hedge/Member	Mnths 35+	Increase	USD	160	160	190	190
TCO BASIS FUT (TC)								
TC	Spec	Mnth 1	Increase	USD	94	85	110	100
TC	Hedge/Member	Mnth 1	Increase	USD	85	85	100	100
TC	Spec	Mnth 2-2	Increase	USD	83	75	99	90
TC	Hedge/Member	Mnth 2-2	Increase	USD	75	75	90	90
TC	Spec	Mnths 3-7	Increase	USD	83	75	99	90
TC	Hedge/Member	Mnths 3-7	Increase	USD	75	75	90	90
TC	Spec	Mnths 8-19	Increase	USD	83	75	99	90
TC	Hedge/Member	Mnths 8-19	Increase	USD	75	75	90	90
TC	Spec	Mnths 20+	Increase	USD	83	75	99	90
TC	Hedge/Member	Mnths 20+	Increase	USD	75	75	90	90
TENNESSEE ZONE 0 BASIS FUT (NQ)								
NQ	Spec	Mnth 1	Increase	USD	187	170	220	200
NQ	Hedge/Member	Mnth 1	Increase	USD	170	170	200	200
NQ	Spec	Mnths 2+	Increase	USD	132	120	160	145
NQ	Hedge/Member	Mnths 2+	Increase	USD	120	120	145	145
TETCO STX BASIS (TX)								
TX	Spec	Mth 1	Increase	USD	154	140	187	170
TX	Hedge/Member	Mth 1	Increase	USD	140	140	170	170
TX	Spec	Mth 2	Increase	USD	110	100	132	120
TX	Hedge/Member	Mth 2	Increase	USD	100	100	120	120
TX	Spec	Mths 3 - 6	Increase	USD	110	100	132	120
TX	Hedge/Member	Mths 3 - 6	Increase	USD	100	100	120	120
TX	Spec	Mths 7 - 12	Increase	USD	110	100	132	120
TX	Hedge/Member	Mths 7 - 12	Increase	USD	100	100	120	120
TX	Spec	Mths 13+	Increase	USD	110	100	132	120
TX	Hedge/Member	Mths 13+	Increase	USD	100	100	120	120

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TEXAS EASTERN ZONE M-3 BASIS FUT (NX)								
NX	Spec	Mth 1	Increase	USD	880	800	1,056	960
NX	Hedge/Member	Mth 1	Increase	USD	800	800	960	960
NX	Spec	Mth 2	Increase	USD	660	600	792	720
NX	Hedge/Member	Mth 2	Increase	USD	600	600	720	720
NX	Spec	Winter 2016/2017	Increase	USD	550	500	660	600
NX	Hedge/Member	Winter 2016/2017	Increase	USD	500	500	600	600
NX	Spec	Winter 2017/2018	Increase	USD	550	500	660	600
NX	Hedge/Member	Winter 2017/2018	Increase	USD	500	500	600	600
NX	Spec	Summer 2018	Increase	USD	550	500	660	600
NX	Hedge/Member	Summer 2018	Increase	USD	500	500	600	600
NX	Spec	Winter 2018/2019	Increase	USD	550	500	660	600
NX	Hedge/Member	Winter 2018/2019	Increase	USD	500	500	600	600
NX	Spec	APR 2019+	Increase	USD	550	500	660	600
NX	Hedge/Member	APR 2019+	Increase	USD	500	500	600	600
TEXAS GAS ZONE1 NG BASIS (9F)								
9F	Spec	Mnth 1	Increase	USD	154	140	187	170
9F	Hedge/Member	Mnth 1	Increase	USD	140	140	170	170
9F	Spec	Mnth 2-2	Increase	USD	88	80	105	95
9F	Hedge/Member	Mnth 2-2	Increase	USD	80	80	95	95
9F	Spec	Mnths 3-7	Increase	USD	88	80	105	95
9F	Hedge/Member	Mnths 3-7	Increase	USD	80	80	95	95
9F	Spec	Mnths 8-19	Increase	USD	88	80	105	95
9F	Hedge/Member	Mnths 8-19	Increase	USD	80	80	95	95
9F	Spec	Mnths 20+	Increase	USD	88	80	105	95
9F	Hedge/Member	Mnths 20+	Increase	USD	80	80	95	95

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TRANSCO ZONE 3 BASIS (CZ)								
CZ	Spec	Mth 1	Increase	USD	72	65	88	80
CZ	Hedge/Member	Mth 1	Increase	USD	65	65	80	80
CZ	Spec	Mth 2	Increase	USD	55	50	66	60
CZ	Hedge/Member	Mth 2	Increase	USD	50	50	60	60
CZ	Spec	Mths 3 - 6	Increase	USD	44	40	55	50
CZ	Hedge/Member	Mths 3 - 6	Increase	USD	40	40	50	50
CZ	Spec	Mths 7 - 12	Increase	USD	44	40	55	50
CZ	Hedge/Member	Mths 7 - 12	Increase	USD	40	40	50	50
CZ	Spec	Mths 13+	Increase	USD	66	60	77	70
CZ	Hedge/Member	Mths 13+	Increase	USD	60	60	70	70
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Mnth 1	Increase	USD	1,320	1,200	1,595	1,450
NZ	Hedge/Member	Mnth 1	Increase	USD	1,200	1,200	1,450	1,450
NZ	Spec	Mnth 2	Increase	USD	990	900	1,210	1,100
NZ	Hedge/Member	Mnth 2	Increase	USD	900	900	1,100	1,100
NZ	Spec	Winter 2016/2017	Increase	USD	880	800	1,045	950
NZ	Hedge/Member	Winter 2016/2017	Increase	USD	800	800	950	950
NZ	Spec	Winter 2017/2018	Increase	USD	880	800	1,045	950
NZ	Hedge/Member	Winter 2017/2018	Increase	USD	800	800	950	950
NZ	Spec	Summer 2018	Increase	USD	880	800	1,045	950
NZ	Hedge/Member	Summer 2018	Increase	USD	800	800	950	950
NZ	Spec	Winter 2018/2019	Increase	USD	880	800	1,045	950
NZ	Hedge/Member	Winter 2018/2019	Increase	USD	800	800	950	950
NZ	Spec	APR 2019+	Increase	USD	880	800	1,045	950
NZ	Hedge/Member	APR 2019+	Increase	USD	800	800	950	950

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TRANSCO ZONE 6 NON NY BASIS FUT (TZ6)								
TZ6	Spec	Mnth 1	Increase	USD	990	900	1,210	1,100
TZ6	Hedge/Member	Mnth 1	Increase	USD	900	900	1,100	1,100
TZ6	Spec	Mnth 2	Increase	USD	990	900	1,210	1,100
TZ6	Hedge/Member	Mnth 2	Increase	USD	900	900	1,100	1,100
TZ6	Spec	Winter 2016/2017	Increase	USD	770	700	935	850
TZ6	Hedge/Member	Winter 2016/2017	Increase	USD	700	700	850	850
TZ6	Spec	Winter 2017/2018	Increase	USD	770	700	935	850
TZ6	Hedge/Member	Winter 2017/2018	Increase	USD	700	700	850	850
TZ6	Spec	Summer 2018	Increase	USD	770	700	935	850
TZ6	Hedge/Member	Summer 2018	Increase	USD	700	700	850	850
TZ6	Spec	Winter 2018/2019	Increase	USD	770	700	935	850
TZ6	Hedge/Member	Winter 2018/2019	Increase	USD	700	700	850	850
TZ6	Spec	APR 2019+	Increase	USD	770	700	935	850
TZ6	Hedge/Member	APR 2019+	Increase	USD	700	700	850	850
TRANSCO ZONE4 BASIS FUT (TR)								
TR	Spec	Mnth 1	Increase	USD	50	45	61	55
TR	Hedge/Member	Mnth 1	Increase	USD	45	45	55	55
TR	Spec	Mnths 2-3	Increase	USD	44	40	55	50
TR	Hedge/Member	Mnths 2-3	Increase	USD	40	40	50	50
TR	Spec	Mnths 3-7	Increase	USD	44	40	55	50
TR	Hedge/Member	Mnths 3-7	Increase	USD	40	40	50	50
TR	Spec	Mnths 8-14	Increase	USD	44	40	55	50
TR	Hedge/Member	Mnths 8-14	Increase	USD	40	40	50	50
TR	Spec	Mnths 15+	Increase	USD	44	40	55	50
TR	Hedge/Member	Mnths 15+	Increase	USD	40	40	50	50
UK NBP NAT GAS CAL MTH FUT (UKG)								
UKG	Spec	Mnth 3	Increase	GBP	660	600	770	700
UKG	Hedge/Member	Mnth 3	Increase	GBP	600	600	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

VENTURA BASIS FUT (PF)

PF	Spec	Mnth 1	Increase	USD	264	240	319	290
PF	Hedge/Member	Mnth 1	Increase	USD	240	240	290	290
PF	Spec	Mnths 2-5	Increase	USD	132	120	154	140
PF	Hedge/Member	Mnths 2-5	Increase	USD	120	120	140	140
PF	Spec	Mnths 6+	Increase	USD	132	120	154	140
PF	Hedge/Member	Mnths 6+	Increase	USD	120	120	140	140

WAHA TEXAS BASIS FUT (NW)

NW	Spec	Mnth 1	Increase	USD	286	260	341	310
NW	Hedge/Member	Mnth 1	Increase	USD	260	260	310	310
NW	Spec	Mnth 2	Increase	USD	138	125	165	150
NW	Hedge/Member	Mnth 2	Increase	USD	125	125	150	150
NW	Spec	Mnths 3-6	Increase	USD	138	125	165	150
NW	Hedge/Member	Mnths 3-6	Increase	USD	125	125	150	150
NW	Spec	Mnths 7-12	Increase	USD	138	125	165	150
NW	Hedge/Member	Mnths 7-12	Increase	USD	125	125	150	150
NW	Spec	Mnths 13-33	Increase	USD	138	125	165	150
NW	Hedge/Member	Mnths 13-33	Increase	USD	125	125	150	150
NW	Spec	Mnths 34+	Increase	USD	138	125	165	150
NW	Hedge/Member	Mnths 34+	Increase	USD	125	125	150	150

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								
EURO 3.5% FUEL OIL SPREAD (FK)								
FK	Spec	Mnth 2-3	Decrease	USD	1,210	1,100	1,155	1,050
FK	Hedge/Member	Mnth 2-3	Decrease	USD	1,100	1,100	1,050	1,050
FK	Spec	Mnths 4-11	Decrease	USD	1,045	950	660	600
FK	Hedge/Member	Mnths 4-11	Decrease	USD	950	950	600	600
EURO DIESEL 10PPM VS. ICE (ET)								
ET	Spec	Mnths 1	Increase	USD	1,210	1,100	1,980	1,800
ET	Hedge/Member	Mnths 1	Increase	USD	1,100	1,100	1,800	1,800
ET	Spec	Mnths 3-6	Increase	USD	990	900	1,650	1,500
ET	Hedge/Member	Mnths 3-6	Increase	USD	900	900	1,500	1,500
ET	Spec	Mnth 2	Increase	USD	990	900	1,650	1,500
ET	Hedge/Member	Mnth 2	Increase	USD	900	900	1,500	1,500
ET	Spec	Mnths 7+	Decrease	USD	880	800	715	650
ET	Hedge/Member	Mnths 7+	Decrease	USD	800	800	650	650
FUELOIL FUT:CARGOES VS.BARGES (FS)								
FS	Spec	Mnths 21+	Increase	USD	2,750	2,500	3,025	2,750
FS	Hedge/Member	Mnths 21+	Increase	USD	2,500	2,500	2,750	2,750
MIN ULSD 10PPM CRGOS CIF MED VS GSL (UCM)								
UCM	Spec	Mnth 1	Decrease	USD	495	450	385	350
UCM	Hedge/Member	Mnth 1	Decrease	USD	450	450	350	350
MINI 380CST VS 3.5% FUEL OIL FUT (MSB)								
MSB	Spec	Mnth 1	Decrease	USD	358	325	275	250
MSB	Hedge/Member	Mnth 1	Decrease	USD	325	325	250	250
MSB	Spec	Mths 16+	Increase	USD	198	180	220	200
MSB	Hedge/Member	Mths 16+	Increase	USD	180	180	200	200
MINI EUR DIESEL10PPM VS ICE GS FUT (MUD)								
MUD	Spec	Mnths 1	Increase	USD	121	110	198	180
MUD	Hedge/Member	Mnths 1	Increase	USD	110	110	180	180
MUD	Spec	Mnths 3-6	Increase	USD	99	90	165	150
MUD	Hedge/Member	Mnths 3-6	Increase	USD	90	90	150	150
MUD	Spec	Mnth 2	Increase	USD	99	90	165	150
MUD	Hedge/Member	Mnth 2	Increase	USD	90	90	150	150
MUD	Spec	Mnths 7+	Decrease	USD	88	80	72	65
MUD	Hedge/Member	Mnths 7+	Decrease	USD	80	80	65	65

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	Mnth 1	Decrease	USD	3,575	3,250	2,750	2,500
EVC	Hedge/Member	Mnth 1	Decrease	USD	3,250	3,250	2,500	2,500
EVC	Spec	Mths 16+	Increase	USD	1,980	1,800	2,200	2,000
EVC	Hedge/Member	Mths 16+	Increase	USD	1,800	1,800	2,000	2,000
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Spec	Mnths 1	Decrease	USD	3,300	3,000	2,200	2,000
SD	Hedge/Member	Mnths 1	Decrease	USD	3,000	3,000	2,000	2,000
SPORE FUEL OIL 180CST 6.35 DUBAI CK (STS)								
STS	Spec	Mnth 1	Decrease	USD	4,510	4,100	3,300	3,000
STS	Hedge/Member	Mnth 1	Decrease	USD	4,100	4,100	3,000	3,000
SPORE MOGAS92 UNLD BRENT SPRD FUT (1NB)								
1NB	Spec	Mnth 1-2	Decrease	USD	1,925	1,750	1,760	1,600
1NB	Hedge/Member	Mnth 1-2	Decrease	USD	1,750	1,750	1,600	1,600
1NB	Spec	Mnths 3+	Decrease	USD	1,760	1,600	1,320	1,200
1NB	Hedge/Member	Mnths 3+	Decrease	USD	1,600	1,600	1,200	1,200
ULSD 10PPM CIF MED VS. ICE GAS (Z7)								
Z7	Spec	Mnth 1	Decrease	USD	4,950	4,500	3,850	3,500
Z7	Hedge/Member	Mnth 1	Decrease	USD	4,500	4,500	3,500	3,500
REFINED PRODUCTS - Outright Rates								
SINGAPORE JET KEROSENE FUT (KS)								
KS	Spec	Mnth 1	Increase	USD	2,860	2,600	3,190	2,900
KS	Hedge/Member	Mnth 1	Increase	USD	2,600	2,600	2,900	2,900
KS	Spec	Mnths 2-6	Increase	USD	2,750	2,500	3,080	2,800
KS	Hedge/Member	Mnths 2-6	Increase	USD	2,500	2,500	2,800	2,800
SYNTHETI SINGAPORE JET KEROSENE FUT (SKS)								
SKS	Spec	Mnth 1	Increase	USD	2,860	2,600	3,190	2,900
SKS	Hedge/Member	Mnth 1	Increase	USD	2,600	2,600	2,900	2,900
SKS	Spec	Mnths 2-6	Increase	USD	2,750	2,500	3,080	2,800
SKS	Hedge/Member	Mnths 2-6	Increase	USD	2,500	2,500	2,800	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NATURAL GAS - Intra Spreads								
Algonquin City-gates Natural Gas Basis Swap - All Months (ALGONQUIN CITYGATES BASIS)								
B4	Spec		Increase	USD	1,980	1,800	2,365	2,150
B4	Hedge/Member		Increase	USD	1,800	1,800	2,150	2,150
ANR OK Basis Swap (Platts IFERC) - All Months (ANR OKLAHOMA)								
NE	Spec		Increase	USD	220	200	264	240
NE	Hedge/Member		Increase	USD	200	200	240	240
Centerpoint Basis (Platts IFERC) Swap - All Months (ENABLE NAT GAS BASIS FUT)								
PW	Spec		Increase	USD	110	100	132	120
PW	Hedge/Member		Increase	USD	100	100	120	120
CIG Rocky Mountain Basis Swap (Platts IFERC) - All Months (CIG BASIS)								
CI	Spec		Increase	USD	193	175	231	210
CI	Hedge/Member		Increase	USD	175	175	210	210
Columbia Gas Transmission Corp. Appalachia (TCO) B - All Months (TCO BASIS FUT)								
TC	Spec		Increase	USD	83	75	99	90
TC	Hedge/Member		Increase	USD	75	75	90	90
COLUMBIA GULF ONSHORE BASIS (GL) - All Months (COLUMBIA GULF ONSHORE BASIS FUT)								
GL	Spec		Increase	USD	77	70	94	85
GL	Hedge/Member		Increase	USD	70	70	85	85
COLUMBUS GULF MAINLINE NG BASIS - All Months (COLUMB GULF MAINLINE NG BASIS)								
5Z	Spec		Increase	USD	55	50	66	60
5Z	Hedge/Member		Increase	USD	50	50	60	60
Dominion Basis Swap - All Months (DOMINION BASIS FUT (PLATTS IFERC))								
PG	Spec		Increase	USD	363	330	440	400
PG	Hedge/Member		Increase	USD	330	330	400	400
El Paso Natural Gas Co. Permian Basin Basis Swap - All Months (PERMIAN BASIS FUT)								
PM	Spec		Increase	USD	165	150	198	180
PM	Hedge/Member		Increase	USD	150	150	180	180
Henry Hub Swap - All Months (HENRY HUB BASIS FUT)								
HB	Spec		Increase	USD	11	10	13	12
HB	Hedge/Member		Increase	USD	10	10	12	12
Houston Ship Channel Basis Swap (Platts IFERC) - All Months (HOUSTON SHIP CHANNEL BASIS FUT)								
NH	Spec		Increase	USD	83	75	99	90
NH	Hedge/Member		Increase	USD	75	75	90	90

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
MICHIGAN BASIS (NF) - All Months (MICHIGAN BASIS)								
NF	Spec		Increase	USD	132	120	154	140
NF	Hedge/Member		Increase	USD	120	120	140	140
NGPL Mid-Continent Basis - All Months (NGPL MIDCONTINENT BASIS FUT)								
NL	Spec		Increase	USD	132	120	160	145
NL	Hedge/Member		Increase	USD	120	120	145	145
NGPL Tex/OK Natural Gas Basis Swap - All Months (NATURAL GAS PIPELINE TEXOK BASIS FUT)								
PD	Spec		Increase	USD	66	60	77	70
PD	Hedge/Member		Increase	USD	60	60	70	70
NORTH NAT GAS VENTURA, IOWA (PF) - All Months (VENTURA BASIS FUT)								
PF	Spec		Increase	USD	275	250	330	300
PF	Hedge/Member		Increase	USD	250	250	300	300
NORTHERN NAT GAS DEMARCATION (PE) - All Months (NORTHERN NATURAL GAS DEMAR BASIS FU)								
PE	Spec		Increase	USD	275	250	330	300
PE	Hedge/Member		Increase	USD	250	250	300	300
Northwest Pipeline, Rockies Basis Swap - All Months (NORTHWEST PIPELINE BASIS FUT)								
NR	Spec		Increase	USD	154	140	187	170
NR	Hedge/Member		Increase	USD	140	140	170	170
ONEOK OKLAHOMA NG BASIS - All Months (ONEOK OKLAHOMA NG BASIS)								
8X	Spec		Increase	USD	198	180	242	220
8X	Hedge/Member		Increase	USD	180	180	220	220
Panhandle Basis Swap - All Months (PANHANDLE BASIS FUT)								
PH	Spec		Increase	USD	110	100	132	120
PH	Hedge/Member		Increase	USD	100	100	120	120
PEPL TEXAS/OKLAHOMA (MAINLINE) (NK) - All Months (SUMAS BASIS FUT)								
NK	Spec		Increase	USD	385	350	462	420
NK	Hedge/Member		Increase	USD	350	350	420	420
San Juan Basis Swap (Platts IFERC) - All Months (SAN JUAN BASIS FUT)								
NJ	Spec		Increase	USD	220	200	264	240
NJ	Hedge/Member		Increase	USD	200	200	240	240
Sonat Basis Swap - All Months (SONAT BASIS FUT)								
SZ	Spec		Increase	USD	66	60	77	70
SZ	Hedge/Member		Increase	USD	60	60	70	70

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
SOUTH STAR TEXAS OKLAHOMA KANSAS NG BASIS - All Months (SOUTH STAR TEX OKLHM KNS NG B)								
8Z	Spec		Increase	USD	220	200	264	240
8Z	Hedge/Member		Increase	USD	200	200	240	240
Tennessee Zone 0 Basis Swap (Platts IFERC) - All Months (TENNESSEE ZONE 0 BASIS FUT)								
NQ	Spec		Increase	USD	165	150	198	180
NQ	Hedge/Member		Increase	USD	150	150	180	180
TETCO STX BASIS (TX) - All Months (TETCO STX BASIS)								
TX	Spec		Increase	USD	165	150	198	180
TX	Hedge/Member		Increase	USD	150	150	180	180
Texas Eastern Zone M-3 Basis Swap - All Months (TEXAS EASTERN ZONE M-3 BASIS FUT)								
NX	Spec		Increase	USD	990	900	1,210	1,100
NX	Hedge/Member		Increase	USD	900	900	1,100	1,100
TEXAS GAS ZONE 1 NG BASIS - All Months (TEXAS GAS ZONE1 NG BASIS)								
9F	Spec		Increase	USD	165	150	198	180
9F	Hedge/Member		Increase	USD	150	150	180	180
Transco Zone 3 Basis Swap - All Months (TRANSCO ZONE 3 BASIS)								
CZ	Spec		Increase	USD	110	100	132	120
CZ	Hedge/Member		Increase	USD	100	100	120	120
Transco Zone 6 Basis Swap - All Months (TRANSCO ZONE 6 BASIS FUT)								
NZ	Spec		Increase	USD	1,870	1,700	2,200	2,000
NZ	Hedge/Member		Increase	USD	1,700	1,700	2,000	2,000
Transco Zone 6 Non-N.Y (Platts IFERC) Basis Swap Futures - All Months (TRANSCO ZONE 6 NON NY BASIS FUT)								
TZ6	Spec		Increase	USD	770	700	924	840
TZ6	Hedge/Member		Increase	USD	700	700	840	840
Transcontinental Gas Pipeline Co. (Transco) Zone 4 Basis Swap Futures (Platts IFERC) - All Months (TRANSCO ZONE4 BASIS FUT)								
TR	Spec		Increase	USD	66	60	77	70
TR	Hedge/Member		Increase	USD	60	60	70	70
Waha Basis Swap - All Months (WAHA TEXAS BASIS FUT)								
NW	Spec		Increase	USD	165	150	198	180
NW	Hedge/Member		Increase	USD	150	150	180	180

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	New Ratio	Previous Ratio
Inter-commodity Spread Rates			
EQUITY INDEX - Inter-commodity Spread Rates			
E-MINI NASDAQ-100 FUTURES (NQ - CME) vs S&P 500 (SP - CME)			
Spread Credit Rate	Ratio Change	+5:-1	+10:-1