



CH-ADV-17-108

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, March 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 rates will be effective after the close of business on

Friday, March 17, 2017.

Current rates as of:

Thursday, March 16, 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								
BLOOMBERG ROLL SELECT COMMDTY INDEX (DRS)								
DRS	Spec		Decrease	USD	715	650	550	500
DRS	Hedge/Member		Decrease	USD	650	650	500	500
COAL - Outright Rates								
COAL API 8 CFR SOUTH CHINA (SSI)								
SSI	Spec	Month 1	Decrease	USD	7,920	7,200	6,050	5,500
SSI	Hedge/Member	Month 1	Decrease	USD	7,200	7,200	5,500	5,500
SSI	Spec	Month 2	Decrease	USD	7,920	7,200	6,050	5,500
SSI	Hedge/Member	Month 2	Decrease	USD	7,200	7,200	5,500	5,500
SSI	Spec	Months 3-11	Decrease	USD	7,260	6,600	6,050	5,500
SSI	Hedge/Member	Months 3-11	Decrease	USD	6,600	6,600	5,500	5,500
SSI	Spec	Months 12+	Decrease	USD	6,138	5,580	6,050	5,500
SSI	Hedge/Member	Months 12+	Decrease	USD	5,580	5,580	5,500	5,500
COAL API5 FOB NEWCASTLE ARG/MC FUT (ACM)								
ACM	Spec	Mth 1	Decrease	USD	7,260	6,600	4,675	4,250
ACM	Hedge/Member	Mth 1	Decrease	USD	6,600	6,600	4,250	4,250
ACM	Spec	Mths 2-12	Decrease	USD	7,260	6,600	4,675	4,250
ACM	Hedge/Member	Mths 2-12	Decrease	USD	6,600	6,600	4,250	4,250
ACM	Spec	Mnths 13+	Decrease	USD	5,500	5,000	4,675	4,250
ACM	Hedge/Member	Mnths 13+	Decrease	USD	5,000	5,000	4,250	4,250
EASTERN RAIL DELIVERY CSX COAL FUT (QX)								
QX	Spec	Mths 1	Decrease	USD	4,620	4,200	3,850	3,500
QX	Hedge/Member	Mths 1	Decrease	USD	4,200	4,200	3,500	3,500
QX	Spec	Mths 2-3	Decrease	USD	4,620	4,200	3,575	3,250
QX	Hedge/Member	Mths 2-3	Decrease	USD	4,200	4,200	3,250	3,250
QX	Spec	Mths 4-6	Decrease	USD	4,180	3,800	3,575	3,250
QX	Hedge/Member	Mths 4-6	Decrease	USD	3,800	3,800	3,250	3,250
QX	Spec	Mnths 7-11	Decrease	USD	4,070	3,700	3,080	2,800
QX	Hedge/Member	Mnths 7-11	Decrease	USD	3,700	3,700	2,800	2,800
QX	Spec	Mnths 12+	Decrease	USD	3,960	3,600	3,080	2,800
QX	Hedge/Member	Mnths 12+	Decrease	USD	3,600	3,600	2,800	2,800
WESTERN RAIL DELIVERY PRB COAL FUT (QP)								
QP	Spec	Mnth 1	Decrease	USD	1,045	950	880	800
QP	Hedge/Member	Mnth 1	Decrease	USD	950	950	800	800
QP	Spec	Mnth 2	Decrease	USD	957	870	660	600
QP	Hedge/Member	Mnth 2	Decrease	USD	870	870	600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
QP	Spec	Mnths 3-6	Decrease	USD	924	840	440	400
QP	Hedge/Member	Mnths 3-6	Decrease	USD	840	840	400	400
QP	Spec	Mnth 7+	Decrease	USD	924	840	440	400
QP	Hedge/Member	Mnth 7+	Decrease	USD	840	840	400	400

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		Decrease	USD	1,980	1,800	1,650	1,500
FTC	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500
BTIC E-MINI NASDAQ BIOTECHNOLOGY (BIT)								
BIT	Spec		Decrease	USD	11,000	10,000	9,350	8,500
BIT	Hedge/Member		Decrease	USD	10,000	10,000	8,500	8,500
EMINI FTSE CHINA 50 INDEX FUTURE (FT5)								
FT5	Spec		Decrease	USD	1,980	1,800	1,650	1,500
FT5	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500
EMINI FTSE CHINA50 INDEX SYN MARKER (FTY)								
FTY	Spec		Decrease	USD	1,980	1,800	1,650	1,500
FTY	Hedge/Member		Decrease	USD	1,800	1,800	1,500	1,500
E-MINI NASDAQ BIOTECH SYNT MARKER (BTT)								
BTT	Spec		Decrease	USD	11,000	10,000	9,350	8,500
BTT	Hedge/Member		Decrease	USD	10,000	10,000	8,500	8,500
E-MINI NASDAQ BIOTECHNOLOGY FUTURES (BQ)								
BQ	Spec		Decrease	USD	11,000	10,000	9,350	8,500
BQ	Hedge/Member		Decrease	USD	10,000	10,000	8,500	8,500
EMINI SP 500 ENERGY SECTOR INDEX (XAE)								
XAE	Spec		Decrease	USD	3,960	3,600	3,190	2,900
XAE	Hedge/Member		Decrease	USD	3,600	3,600	2,900	2,900
EMINI SP500 MATERIALS SECTOR INDEX (XAB)								
XAB	Spec		Decrease	USD	2,750	2,500	2,200	2,000
XAB	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
S&P 500 ANNUAL DIVIDEND INDEX FUT (SDA)								
SDA	Spec	Mths 4+	Increase	USD	220	200	275	250
SDA	Hedge/Member	Mths 4+	Increase	USD	200	200	250	250
S&P 500 QUARLY DIVIDEND INDEX FUT (SDI)								
SDI	Spec	Mths 1-3	Decrease	USD	275	250	220	200
SDI	Hedge/Member	Mths 1-3	Decrease	USD	250	250	200	200
SP 500 ENERGY SELECT SECTOR TIC (XET)								
XET	Spec		Decrease	USD	3,960	3,600	3,190	2,900
XET	Hedge/Member		Decrease	USD	3,600	3,600	2,900	2,900

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

SP 500 ENERGY SLCT SEC SYNTHETIC (1ET)

1ET	Spec		Decrease	USD	3,960	3,600	3,190	2,900
1ET	Hedge/Member		Decrease	USD	3,600	3,600	2,900	2,900

SP 500 MATERIALS SEL SECTOR SYNTH (1BT)

1BT	Spec		Decrease	USD	2,750	2,500	2,200	2,000
1BT	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000

SP 500 MATERIALS SEL SECTOR TIC (XBT)

XBT	Spec		Decrease	USD	2,750	2,500	2,200	2,000
XBT	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000

FREIGHT - Outright Rates

FREIGHT ROUTE LIQUID PETROLEUM GAS (FLP)

FLP	Spec	Mth 1	Decrease	USD	8,800	8,000	5,500	5,000
FLP	Hedge/Member	Mth 1	Decrease	USD	8,000	8,000	5,000	5,000
FLP	Spec	Mths 2+	Decrease	USD	5,500	5,000	3,025	2,750
FLP	Hedge/Member	Mths 2+	Decrease	USD	5,000	5,000	2,750	2,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
BRAZILIAN REAL FUTURES (BR)								
BR	Spec	Contracts 1-12	Decrease	USD	2,035	1,850	1,815	1,650
BR	Hedge/Member	Contracts 1-12	Decrease	USD	1,850	1,850	1,650	1,650
BR	Spec	Contracts 13-24	Decrease	USD	3,080	2,800	2,750	2,500
BR	Hedge/Member	Contracts 13-24	Decrease	USD	2,800	2,800	2,500	2,500
BR	Spec	Contracts 25-36	Decrease	USD	3,630	3,300	3,300	3,000
BR	Hedge/Member	Contracts 25-36	Decrease	USD	3,300	3,300	3,000	3,000
BR	Spec	Contracts 37+	Decrease	USD	3,850	3,500	3,520	3,200
BR	Hedge/Member	Contracts 37+	Decrease	USD	3,500	3,500	3,200	3,200
BRITISH POUND FUTURES (BP)								
BP	Spec		Decrease	USD	3,025	2,750	2,640	2,400
BP	Hedge/Member		Decrease	USD	2,750	2,750	2,400	2,400
CHILEAN PESO/US DOLLAR CLP/USD FUT (CHP)								
CHP	Spec		Decrease	USD	3,300	3,000	2,640	2,400
CHP	Hedge/Member		Decrease	USD	3,000	3,000	2,400	2,400
CME BLOOMBERG DOLLAR SPOT INDEX FUT (BDI)								
BDI	Spec		Decrease	USD	2,750	2,500	2,200	2,000
BDI	Hedge/Member		Decrease	USD	2,500	2,500	2,000	2,000
CZECH KORUNA FUTURES (CZ)								
CZ	Spec		Decrease	USD	6,050	5,500	3,740	3,400
CZ	Hedge/Member		Decrease	USD	5,500	5,500	3,400	3,400
E-MICRO GBP/USD FUTURES (M6B)								
M6B	Spec		Decrease	USD	303	275	264	240
M6B	Hedge/Member		Decrease	USD	275	275	240	240
E-MICRO JPY/USD (MJY)								
MJY	Spec	Month 1	Decrease	USD	440	400	363	330
MJY	Hedge/Member	Month 1	Decrease	USD	400	400	330	330
MJY	Spec	Months 2+	Decrease	USD	440	400	363	330
MJY	Hedge/Member	Months 2+	Decrease	USD	400	400	330	330

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI J-YEN FUTURE (J7)								
J7	Spec	Month 1	Decrease	USD	2,200	2,000	1,815	1,650
J7	Hedge/Member	Month 1	Decrease	USD	2,000	2,000	1,650	1,650
J7	Spec	Months 2+	Decrease	USD	2,200	2,000	1,815	1,650
J7	Hedge/Member	Months 2+	Decrease	USD	2,000	2,000	1,650	1,650
EURO\RENMINBI FUTURE (RME)								
RME	Spec		Decrease	EUR	5,830	5,300	4,730	4,300
RME	Hedge/Member		Decrease	EUR	5,300	5,300	4,300	4,300
HUNGARIAN FORINT (USD) FUTURES (FR)								
FR	Spec		Decrease	USD	4,950	4,500	3,080	2,800
FR	Hedge/Member		Decrease	USD	4,500	4,500	2,800	2,800
HUNGARIAN FORINT/EUR CROSS RATE FUT (R)								
R	Spec		Decrease	EUR	1,925	1,750	1,540	1,400
R	Hedge/Member		Decrease	EUR	1,750	1,750	1,400	1,400
ISRAELI SHEKEL FUTURES (IS)								
IS	Spec		Decrease	USD	6,050	5,500	4,950	4,500
IS	Hedge/Member		Decrease	USD	5,500	5,500	4,500	4,500
JAPANESE YEN FUTURES (JY)								
JY	Spec	Month 1	Decrease	USD	4,400	4,000	3,630	3,300
JY	Hedge/Member	Month 1	Decrease	USD	4,000	4,000	3,300	3,300
JY	Spec	Months 2+	Decrease	USD	4,400	4,000	3,630	3,300
JY	Hedge/Member	Months 2+	Decrease	USD	4,000	4,000	3,300	3,300
RU RUSSIAN RUBLE FUTURES (RU)								
RU	Spec	Contracts 1-12	Decrease	USD	3,575	3,250	2,860	2,600
RU	Hedge/Member	Contracts 1-12	Decrease	USD	3,250	3,250	2,600	2,600
RU	Spec	Contracts 13-16	Decrease	USD	5,940	5,400	4,950	4,500
RU	Hedge/Member	Contracts 13-16	Decrease	USD	5,400	5,400	4,500	4,500
RU	Spec	Contracts 17-20	Decrease	USD	7,425	6,750	6,050	5,500
RU	Hedge/Member	Contracts 17-20	Decrease	USD	6,750	6,750	5,500	5,500
RU	Spec	Contracts 21+	Decrease	USD	8,415	7,650	7,150	6,500
RU	Hedge/Member	Contracts 21+	Decrease	USD	7,650	7,650	6,500	6,500

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

U.S. DOLLAR\RENMINBI FUTURES (RMB)

RMB	Spec	Mnth 1	Decrease	USD	3,850	3,500	3,520	3,200
RMB	Hedge/Member	Mnth 1	Decrease	USD	3,500	3,500	3,200	3,200
RMB	Spec	Mnths 2+	Decrease	USD	4,400	4,000	3,520	3,200
RMB	Hedge/Member	Mnths 2+	Decrease	USD	4,000	4,000	3,200	3,200

METALS - Outright Rates

ALUMINUM MW TRANS PREM PLATTS SWAPS (AUP)

AUP	Spec	22+	Increase	USD	363	330	462	420
AUP	Hedge/Member	22+	Increase	USD	330	330	420	420

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	Decrease	USD	3,300	3,000	2,200	2,000
B4	Hedge/Member	Mnth 1	Decrease	USD	3,000	3,000	2,000	2,000
B4	Spec	Mnth 2	Decrease	USD	2,420	2,200	1,650	1,500
B4	Hedge/Member	Mnth 2	Decrease	USD	2,200	2,200	1,500	1,500
B4	Spec	Mnth 3+	Decrease	USD	2,420	2,200	1,650	1,500
B4	Hedge/Member	Mnth 3+	Decrease	USD	2,200	2,200	1,500	1,500

ANR OKLAHOMA (NE)

NE	Spec	Mnth 1	Decrease	USD	231	210	187	170
NE	Hedge/Member	Mnth 1	Decrease	USD	210	210	170	170
NE	Spec	Mnths 3-7	Decrease	USD	165	150	143	130
NE	Hedge/Member	Mnths 3-7	Decrease	USD	150	150	130	130
NE	Spec	Mnths 8-14	Decrease	USD	165	150	110	100
NE	Hedge/Member	Mnths 8-14	Decrease	USD	150	150	100	100
NE	Spec	Mnths 15+	Decrease	USD	165	150	110	100
NE	Hedge/Member	Mnths 15+	Decrease	USD	150	150	100	100

CIG BASIS (CI)

CI	Spec	Mnth 1	Decrease	USD	374	340	248	225
CI	Hedge/Member	Mnth 1	Decrease	USD	340	340	225	225
CI	Spec	Mnths 2-6	Decrease	USD	154	140	99	90
CI	Hedge/Member	Mnths 2-6	Decrease	USD	140	140	90	90
CI	Spec	Mnths 7-12	Decrease	USD	110	100	83	75
CI	Hedge/Member	Mnths 7-12	Decrease	USD	100	100	75	75
CI	Spec	Mnths 13-32	Decrease	USD	154	140	88	80
CI	Hedge/Member	Mnths 13-32	Decrease	USD	140	140	80	80
CI	Spec	Mnths 33+	Decrease	USD	231	210	165	150
CI	Hedge/Member	Mnths 33+	Decrease	USD	210	210	150	150

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	Decrease	USD	61	55	39	35
5Z	Hedge/Member	Mnth 1	Decrease	USD	55	55	35	35
5Z	Spec	Mnths 2-5	Decrease	USD	50	45	33	30
5Z	Hedge/Member	Mnths 2-5	Decrease	USD	45	45	30	30
5Z	Spec	Mnths 6-12	Decrease	USD	50	45	33	30
5Z	Hedge/Member	Mnths 6-12	Decrease	USD	45	45	30	30
5Z	Spec	Mnths 13-24	Decrease	USD	50	45	33	30
5Z	Hedge/Member	Mnths 13-24	Decrease	USD	45	45	30	30
5Z	Spec	Mnths 25+	Decrease	USD	72	65	39	35
5Z	Hedge/Member	Mnths 25+	Decrease	USD	65	65	35	35
COLUMBIA GULF ONSHORE BASIS FUT (GL)								
GL	Spec	Mnth 1	Decrease	USD	110	100	55	50
GL	Hedge/Member	Mnth 1	Decrease	USD	100	100	50	50
GL	Spec	Mnth 2	Decrease	USD	110	100	44	40
GL	Hedge/Member	Mnth 2	Decrease	USD	100	100	40	40
GL	Spec	Mnths 3-7	Decrease	USD	55	50	33	30
GL	Hedge/Member	Mnths 3-7	Decrease	USD	50	50	30	30
GL	Spec	Mnths 8-19	Decrease	USD	55	50	33	30
GL	Hedge/Member	Mnths 8-19	Decrease	USD	50	50	30	30
GL	Spec	Mnths 19+	Decrease	USD	61	55	33	30
GL	Hedge/Member	Mnths 19+	Decrease	USD	55	55	30	30
DOMINION BASIS FUT (PLATTS IFERC) (PG)								
PG	Spec	Mnth 1	Decrease	USD	605	550	242	220
PG	Hedge/Member	Mnth 1	Decrease	USD	550	550	220	220
PG	Spec	Mnth 2	Decrease	USD	578	525	242	220
PG	Hedge/Member	Mnth 2	Decrease	USD	525	525	220	220
PG	Spec	Mnths 3-8	Decrease	USD	550	500	220	200
PG	Hedge/Member	Mnths 3-8	Decrease	USD	500	500	200	200
PG	Spec	Mnths 9-20	Decrease	USD	550	500	220	200
PG	Hedge/Member	Mnths 9-20	Decrease	USD	500	500	200	200
PG	Spec	Mnths 21+	Decrease	USD	550	500	220	200
PG	Hedge/Member	Mnths 21+	Decrease	USD	500	500	200	200

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	Decrease	USD	165	150	88	80
PW	Hedge/Member	Mnth 1	Decrease	USD	150	150	80	80
PW	Spec	Mnths 2-2	Decrease	USD	83	75	77	70
PW	Hedge/Member	Mnths 2-2	Decrease	USD	75	75	70	70
PW	Spec	Mnths 3-6	Decrease	USD	83	75	77	70
PW	Hedge/Member	Mnths 3-6	Decrease	USD	75	75	70	70
PW	Spec	Mnths 7-19	Decrease	USD	132	120	77	70
PW	Hedge/Member	Mnths 7-19	Decrease	USD	120	120	70	70
PW	Spec	Mnths 20+	Decrease	USD	198	180	77	70
PW	Hedge/Member	Mnths 20+	Decrease	USD	180	180	70	70
HENRY HUB BASIS FUT (HB)								
HB	Spec	Mnth 1	Decrease	USD	22	20	13	12
HB	Hedge/Member	Mnth 1	Decrease	USD	20	20	12	12
HB	Spec	Mnth 2	Decrease	USD	11	10	7	6
HB	Hedge/Member	Mnth 2	Decrease	USD	10	10	6	6
HB	Spec	Mnths 3-7	Decrease	USD	9	8	6	5
HB	Hedge/Member	Mnths 3-7	Decrease	USD	8	8	5	5
HB	Spec	Mnths 8-14	Decrease	USD	9	8	6	5
HB	Hedge/Member	Mnths 8-14	Decrease	USD	8	8	5	5
HB	Spec	Mnths 15+	Decrease	USD	11	10	8	7
HB	Hedge/Member	Mnths 15+	Decrease	USD	10	10	7	7
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnth 1	Decrease	USD	374	340	154	140
NH	Hedge/Member	Mnth 1	Decrease	USD	340	340	140	140
NH	Spec	Mnth 2	Decrease	USD	77	70	50	45
NH	Hedge/Member	Mnth 2	Decrease	USD	70	70	45	45
NH	Spec	Mnths 3-6	Decrease	USD	77	70	50	45
NH	Hedge/Member	Mnths 3-6	Decrease	USD	70	70	45	45
NH	Spec	Mnths 7-12	Decrease	USD	77	70	50	45
NH	Hedge/Member	Mnths 7-12	Decrease	USD	70	70	45	45
NH	Spec	Mnths 13-21	Decrease	USD	77	70	50	45
NH	Hedge/Member	Mnths 13-21	Decrease	USD	70	70	45	45
NH	Spec	Mnths 22+	Decrease	USD	165	150	83	75
NH	Hedge/Member	Mnths 22+	Decrease	USD	150	150	75	75

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICHIGAN BASIS (NF)								
NF	Spec	Mnth 2	Decrease	USD	132	120	99	90
NF	Hedge/Member	Mnth 2	Decrease	USD	120	120	90	90
NF	Spec	Mnths 3-4	Decrease	USD	132	120	99	90
NF	Hedge/Member	Mnths 3-4	Decrease	USD	120	120	90	90
NF	Spec	Mnths 5-12	Decrease	USD	110	100	66	60
NF	Hedge/Member	Mnths 5-12	Decrease	USD	100	100	60	60
NF	Spec	Mnths 13+	Decrease	USD	198	180	110	100
NF	Hedge/Member	Mnths 13+	Decrease	USD	180	180	100	100
NATURAL GAS PIPELINE TEXOK BASIS FUT (PD)								
PD	Spec	Mnth 1	Decrease	USD	165	150	83	75
PD	Hedge/Member	Mnth 1	Decrease	USD	150	150	75	75
PD	Spec	Mnths 2	Decrease	USD	83	75	55	50
PD	Hedge/Member	Mnths 2	Decrease	USD	75	75	50	50
PD	Spec	Mnths 3-6	Decrease	USD	83	75	55	50
PD	Hedge/Member	Mnths 3-6	Decrease	USD	75	75	50	50
PD	Spec	Mnths 7-12	Decrease	USD	83	75	55	50
PD	Hedge/Member	Mnths 7-12	Decrease	USD	75	75	50	50
PD	Spec	Mnths 13+	Decrease	USD	83	75	55	50
PD	Hedge/Member	Mnths 13+	Decrease	USD	75	75	50	50
NGPL MIDCONTINENT BASIS FUT (NL)								
NL	Spec	Mnth 1	Decrease	USD	264	240	165	150
NL	Hedge/Member	Mnth 1	Decrease	USD	240	240	150	150
NL	Spec	Mnth 2	Decrease	USD	132	120	77	70
NL	Hedge/Member	Mnth 2	Decrease	USD	120	120	70	70
NL	Spec	Mnths 3-6	Decrease	USD	132	120	77	70
NL	Hedge/Member	Mnths 3-6	Decrease	USD	120	120	70	70
NL	Spec	Mnths 7-12	Decrease	USD	132	120	77	70
NL	Hedge/Member	Mnths 7-12	Decrease	USD	120	120	70	70
NL	Spec	Mnths 13-25	Decrease	USD	165	150	88	80
NL	Hedge/Member	Mnths 13-25	Decrease	USD	150	150	80	80
NL	Spec	Mnths 26-49	Decrease	USD	165	150	88	80
NL	Hedge/Member	Mnths 26-49	Decrease	USD	150	150	80	80
NL	Spec	Mnths 50+	Decrease	USD	275	250	88	80
NL	Hedge/Member	Mnths 50+	Decrease	USD	250	250	80	80

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NORTHERN NATURAL GAS DEMAR BASIS FU (PE)								
PE	Spec	Mnth 1	Decrease	USD	429	390	264	240
PE	Hedge/Member	Mnth 1	Decrease	USD	390	390	240	240
PE	Spec	Mnths 2-5	Decrease	USD	220	200	165	150
PE	Hedge/Member	Mnths 2-5	Decrease	USD	200	200	150	150
PE	Spec	Mnths 6+	Decrease	USD	220	200	165	150
PE	Hedge/Member	Mnths 6+	Decrease	USD	200	200	150	150
NORTHWEST PIPELINE BASIS FUT (NR)								
NR	Spec	Mnth 1	Decrease	USD	330	300	165	150
NR	Hedge/Member	Mnth 1	Decrease	USD	300	300	150	150
NR	Spec	Mnths 2-6	Decrease	USD	176	160	110	100
NR	Hedge/Member	Mnths 2-6	Decrease	USD	160	160	100	100
NR	Spec	Mnths 7-9	Decrease	USD	143	130	88	80
NR	Hedge/Member	Mnths 7-9	Decrease	USD	130	130	80	80
NR	Spec	Mnths 10-16	Decrease	USD	143	130	88	80
NR	Hedge/Member	Mnths 10-16	Decrease	USD	130	130	80	80
NR	Spec	Mnths 17+	Decrease	USD	176	160	94	85
NR	Hedge/Member	Mnths 17+	Decrease	USD	160	160	85	85
ONEOK OKLAHOMA NG BASIS (8X)								
8X	Spec	Mnth 1	Decrease	USD	264	240	165	150
8X	Hedge/Member	Mnth 1	Decrease	USD	240	240	150	150
8X	Spec	Mnth 2	Decrease	USD	187	170	132	120
8X	Hedge/Member	Mnth 2	Decrease	USD	170	170	120	120
8X	Spec	Mnths 3-7	Decrease	USD	187	170	132	120
8X	Hedge/Member	Mnths 3-7	Decrease	USD	170	170	120	120
8X	Spec	Mnths 8-20	Decrease	USD	193	175	138	125
8X	Hedge/Member	Mnths 8-20	Decrease	USD	175	175	125	125
8X	Spec	Mnths 21+	Decrease	USD	193	175	138	125
8X	Hedge/Member	Mnths 21+	Decrease	USD	175	175	125	125

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PANHANDLE BASIS FUT (PH)								
PH	Spec	Mnth 1	Decrease	USD	187	170	132	120
PH	Hedge/Member	Mnth 1	Decrease	USD	170	170	120	120
PH	Spec	Mnth 2	Decrease	USD	132	120	110	100
PH	Hedge/Member	Mnth 2	Decrease	USD	120	120	100	100
PH	Spec	Mnths 3 -12	Decrease	USD	132	120	110	100
PH	Hedge/Member	Mnths 3-12	Decrease	USD	120	120	100	100
PH	Spec	Mnths 13+	Decrease	USD	154	140	99	90
PH	Hedge/Member	Mnths 13+	Decrease	USD	140	140	90	90
PERMIAN BASIS FUT (PM)								
PM	Spec	Mths 1	Decrease	USD	308	280	220	200
PM	Hedge/Member	Mths 1	Decrease	USD	280	280	200	200
PM	Spec	Mths 3-6	Decrease	USD	154	140	110	100
PM	Hedge/Member	Mths 3-6	Decrease	USD	140	140	100	100
PM	Spec	Mths 7-12	Decrease	USD	154	140	110	100
PM	Hedge/Member	Mths 7-12	Decrease	USD	140	140	100	100
PM	Spec	Mths 13+	Decrease	USD	220	200	110	100
PM	Hedge/Member	Mths 13+	Decrease	USD	200	200	100	100
SAN JUAN BASIS FUT (NJ)								
NJ	Spec	Mth 1	Decrease	USD	275	250	193	175
NJ	Hedge/Member	Mth 1	Decrease	USD	250	250	175	175
NJ	Spec	Mth 2	Decrease	USD	165	150	110	100
NJ	Hedge/Member	Mth 2	Decrease	USD	150	150	100	100
NJ	Spec	Mths 3-6	Decrease	USD	165	150	110	100
NJ	Hedge/Member	Mths 3-6	Decrease	USD	150	150	100	100
NJ	Spec	Mths 7-12	Decrease	USD	264	240	110	100
NJ	Hedge/Member	Mths 7-12	Decrease	USD	240	240	100	100
NJ	Spec	Mths 13+	Decrease	USD	286	260	110	100
NJ	Hedge/Member	Mths 13+	Decrease	USD	260	260	100	100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SOUTH STAR TEX OKLHM KNS NG B (8Z)								
8Z	Spec	Mnth 1	Decrease	USD	303	275	264	240
8Z	Hedge/Member	Mnth 1	Decrease	USD	275	275	240	240
8Z	Spec	Mnth 2-2	Decrease	USD	220	200	198	180
8Z	Hedge/Member	Mnth 2-2	Decrease	USD	200	200	180	180
8Z	Spec	Mnths 3-7	Decrease	USD	220	200	198	180
8Z	Hedge/Member	Mnths 3-7	Decrease	USD	200	200	180	180
8Z	Spec	Mnths 8+	Decrease	USD	220	200	198	180
8Z	Hedge/Member	Mnths 8+	Decrease	USD	200	200	180	180
SUMAS BASIS FUT (NK)								
NK	Spec	Mnths 2-5	Decrease	USD	385	350	303	275
NK	Hedge/Member	Mnths 2-5	Decrease	USD	350	350	275	275
NK	Spec	Mnths 6-14	Decrease	USD	385	350	198	180
NK	Hedge/Member	Mnths 6-14	Decrease	USD	350	350	180	180
NK	Spec	Mnths 15-34	Decrease	USD	539	490	220	200
NK	Hedge/Member	Mnths 15-34	Decrease	USD	490	490	200	200
NK	Spec	Mnths 35+	Decrease	USD	539	490	220	200
NK	Hedge/Member	Mnths 35+	Decrease	USD	490	490	200	200
TCO BASIS FUT (TC)								
TC	Spec	Mnth 1	Decrease	USD	77	70	55	50
TC	Hedge/Member	Mnth 1	Decrease	USD	70	70	50	50
TC	Spec	Mnth 2-2	Decrease	USD	77	70	55	50
TC	Hedge/Member	Mnth 2-2	Decrease	USD	70	70	50	50
TC	Spec	Mnths 3-7	Decrease	USD	66	60	55	50
TC	Hedge/Member	Mnths 3-7	Decrease	USD	60	60	50	50
TC	Spec	Mnths 8-19	Decrease	USD	132	120	55	50
TC	Hedge/Member	Mnths 8-19	Decrease	USD	120	120	50	50
TC	Spec	Mnths 20+	Decrease	USD	198	180	55	50
TC	Hedge/Member	Mnths 20+	Decrease	USD	180	180	50	50

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TENNESSEE 500 LEG BASIS FUT (NM)								
NM	Spec	Mnth 1	Decrease	USD	72	65	55	50
NM	Hedge/Member	Mnth 1	Decrease	USD	65	65	50	50
NM	Spec	Mths 2-2	Decrease	USD	55	50	44	40
NM	Hedge/Member	Mths 2-2	Decrease	USD	50	50	40	40
NM	Spec	Mths 3-7	Decrease	USD	55	50	44	40
NM	Hedge/Member	Mths 3-7	Decrease	USD	50	50	40	40
NM	Spec	Mths 8-19	Decrease	USD	66	60	44	40
NM	Hedge/Member	Mths 8-19	Decrease	USD	60	60	40	40
NM	Spec	Mths 20+	Decrease	USD	88	80	44	40
NM	Hedge/Member	Mths 20+	Decrease	USD	80	80	40	40
TENNESSEE 800 LEG NG BASIS (6Z)								
6Z	Spec	Mnth 1	Decrease	USD	176	160	110	100
6Z	Hedge/Member	Mnth 1	Decrease	USD	160	160	100	100
6Z	Spec	Mnths 2+	Decrease	USD	176	160	83	75
6Z	Hedge/Member	Mnths 2+	Decrease	USD	160	160	75	75
TENNESSEE ZONE 0 BASIS FUT (NQ)								
NQ	Spec	Mnth 1	Decrease	USD	242	220	198	180
NQ	Hedge/Member	Mnth 1	Decrease	USD	220	220	180	180
NQ	Spec	Mnths 2+	Decrease	USD	242	220	110	100
NQ	Hedge/Member	Mnths 2+	Decrease	USD	220	220	100	100

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	Decrease	USD	1,403	1,275	825	750
NX	Hedge/Member	Mth 1	Decrease	USD	1,275	1,275	750	750
NX	Spec	Mth 2	Decrease	USD	1,238	1,125	770	700
NX	Hedge/Member	Mth 2	Decrease	USD	1,125	1,125	700	700
NX	Spec	Mnths 3-12	Decrease	USD	825	750	550	500
NX	Hedge/Member	Mnths 3-12	Decrease	USD	750	750	500	500
NX	Spec	Mnths 13-17	Decrease	USD	605	550	550	500
NX	Hedge/Member	Mnths 13-17	Decrease	USD	550	550	500	500
NX	Spec	Mnths 18-24	Decrease	USD	693	630	550	500
NX	Hedge/Member	Mnths 18-24	Decrease	USD	630	630	500	500
NX	Spec	Mnths 25+	Decrease	USD	1,100	1,000	550	500
NX	Hedge/Member	Mnths 25+	Decrease	USD	1,000	1,000	500	500

TEXAS GAS ZONE1 NG BASIS (9F)

9F	Spec	Mnth 1	Decrease	USD	154	140	99	90
9F	Hedge/Member	Mnth 1	Decrease	USD	140	140	90	90
9F	Spec	Mnth 2-2	Decrease	USD	154	140	83	75
9F	Hedge/Member	Mnth 2-2	Decrease	USD	140	140	75	75
9F	Spec	Mnths 3-7	Decrease	USD	154	140	83	75
9F	Hedge/Member	Mnths 3-7	Decrease	USD	140	140	75	75
9F	Spec	Mnths 8-19	Decrease	USD	154	140	83	75
9F	Hedge/Member	Mnths 8-19	Decrease	USD	140	140	75	75
9F	Spec	Mnths 20+	Decrease	USD	154	140	83	75
9F	Hedge/Member	Mnths 20+	Decrease	USD	140	140	75	75

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	Decrease	USD	77	70	55	50
CZ	Hedge/Member	Mth 1	Decrease	USD	70	70	50	50
CZ	Spec	Mth 2	Decrease	USD	77	70	55	50
CZ	Hedge/Member	Mth 2	Decrease	USD	70	70	50	50
CZ	Spec	Mths 3 - 6	Decrease	USD	72	65	50	45
CZ	Hedge/Member	Mths 3 - 6	Decrease	USD	65	65	45	45
CZ	Spec	Mths 7 - 12	Decrease	USD	77	70	50	45
CZ	Hedge/Member	Mths 7 - 12	Decrease	USD	70	70	45	45
CZ	Spec	Mths 13+	Decrease	USD	110	100	83	75
CZ	Hedge/Member	Mths 13+	Decrease	USD	100	100	75	75
TRANSCO ZONE 6 BASIS FUT (NZ)								
NZ	Spec	Mnth 1	Decrease	USD	1,540	1,400	1,320	1,200
NZ	Hedge/Member	Mnth 1	Decrease	USD	1,400	1,400	1,200	1,200
NZ	Spec	Mnth 2	Decrease	USD	1,210	1,100	880	800
NZ	Hedge/Member	Mnth 2	Decrease	USD	1,100	1,100	800	800
NZ	Spec	Mnths 3-24	Decrease	USD	1,210	1,100	880	800
NZ	Hedge/Member	Mnths 3-24	Decrease	USD	1,100	1,100	800	800
NZ	Spec	APR 2019+	Decrease	USD	1,958	1,780	880	800
NZ	Hedge/Member	APR 2019+	Decrease	USD	1,780	1,780	800	800

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	Decrease	USD	1,650	1,500	880	800
TZ6	Hedge/Member	Mnth 1	Decrease	USD	1,500	1,500	800	800
TZ6	Spec	Mnth 2	Decrease	USD	1,485	1,350	770	700
TZ6	Hedge/Member	Mnth 2	Decrease	USD	1,350	1,350	700	700
TZ6	Spec	Mnths 3-12	Decrease	USD	990	900	660	600
TZ6	Hedge/Member	Mnths 3-12	Decrease	USD	900	900	600	600
TZ6	Spec	Mnths 13-17	Decrease	USD	715	650	660	600
TZ6	Hedge/Member	Mnths 13-17	Decrease	USD	650	650	600	600
TZ6	Spec	Mnths 18-24	Decrease	USD	880	800	660	600
TZ6	Hedge/Member	Mnths 18-24	Decrease	USD	800	800	600	600
TZ6	Spec	Mnths 25+	Decrease	USD	1,320	1,200	660	600
TZ6	Hedge/Member	Mnths 25+	Decrease	USD	1,200	1,200	600	600

TRANSCO ZONE4 BASIS FUT (TR)

TR	Spec	Mnth 1	Decrease	USD	77	70	55	50
TR	Hedge/Member	Mnth 1	Decrease	USD	70	70	50	50
TR	Spec	Mnths 2-3	Decrease	USD	66	60	50	45
TR	Hedge/Member	Mnths 2-3	Decrease	USD	60	60	45	45

VENTURA BASIS FUT (PF)

PF	Spec	Mnth 1	Decrease	USD	330	300	242	220
PF	Hedge/Member	Mnth 1	Decrease	USD	300	300	220	220
PF	Spec	Mnths 2-5	Decrease	USD	220	200	110	100
PF	Hedge/Member	Mnths 2-5	Decrease	USD	200	200	100	100
PF	Spec	Mnths 6+	Decrease	USD	308	280	110	100
PF	Hedge/Member	Mnths 6+	Decrease	USD	280	280	100	100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

WAHA TEXAS BASIS FUT (NW)

NW	Spec	Mnth 1	Decrease	USD	242	220	132	120
NW	Hedge/Member	Mnth 1	Decrease	USD	220	220	120	120
NW	Spec	Mnth 2	Decrease	USD	94	85	72	65
NW	Hedge/Member	Mnth 2	Decrease	USD	85	85	65	65
NW	Spec	Mnths 3-6	Decrease	USD	94	85	72	65
NW	Hedge/Member	Mnths 3-6	Decrease	USD	85	85	65	65
NW	Spec	Mnths 7-12	Decrease	USD	94	85	72	65
NW	Hedge/Member	Mnths 7-12	Decrease	USD	85	85	65	65
NW	Spec	Mnths 13-33	Decrease	USD	99	90	72	65
NW	Hedge/Member	Mnths 13-33	Decrease	USD	90	90	65	65
NW	Spec	Mnths 34+	Decrease	USD	220	200	72	65
NW	Hedge/Member	Mnths 34+	Decrease	USD	200	200	65	65

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								
1% FUEL OIL RDM VS 1% OIL NWE PLTS (33)								
33	Spec	Mnth 1	Decrease	USD	1,320	1,200	1,100	1,000
33	Hedge/Member	Mnth 1	Decrease	USD	1,200	1,200	1,000	1,000
33	Spec	Mnth 2	Decrease	USD	1,100	1,000	990	900
33	Hedge/Member	Mnth 2	Decrease	USD	1,000	1,000	900	900
33	Spec	Mnths 3+	Decrease	USD	660	600	550	500
33	Hedge/Member	Mnths 3+	Decrease	USD	600	600	500	500
ARGS PRPANE FR EST VS EURO CIF ARA (91)								
91	Spec	Mth 1	Decrease	USD	29,920	27,200	20,900	19,000
91	Hedge/Member	Mth 1	Decrease	USD	27,200	27,200	19,000	19,000
91	Spec	Mths 2-3	Decrease	USD	21,780	19,800	12,650	11,500
91	Hedge/Member	Mths 2-3	Decrease	USD	19,800	19,800	11,500	11,500
91	Spec	Mths 4+	Decrease	USD	21,450	19,500	12,650	11,500
91	Hedge/Member	Mths 4+	Decrease	USD	19,500	19,500	11,500	11,500
CHI ULSD (PLATTS) VS. NY HRBR ULSD (5C)								
5C	Spec	Mnth 1	Decrease	USD	4,400	4,000	2,750	2,500
5C	Hedge/Member	Mnth 1	Decrease	USD	4,000	4,000	2,500	2,500
5C	Spec	Mnth 2-3	Decrease	USD	825	750	660	600
5C	Hedge/Member	Mnth 2-3	Decrease	USD	750	750	600	600
5C	Spec	Mnths 4+	Decrease	USD	825	750	495	450
5C	Hedge/Member	Mnths 4+	Decrease	USD	750	750	450	450
E/W NAPHTHA JAPAN CF VS CRGOES CIF (EWN)								
EWN	Spec	Mnth 1	Decrease	USD	4,950	4,500	3,850	3,500
EWN	Hedge/Member	Mnth 1	Decrease	USD	4,500	4,500	3,500	3,500
EWN	Spec	Mnths 2-4	Decrease	USD	3,520	3,200	3,300	3,000
EWN	Hedge/Member	Mnths 2-4	Decrease	USD	3,200	3,200	3,000	3,000
EWN	Spec	Mnths 5-9	Decrease	USD	3,520	3,200	3,300	3,000
EWN	Hedge/Member	Mnths 5-9	Decrease	USD	3,200	3,200	3,000	3,000
EWN	Spec	Mnths 10-15	Decrease	USD	3,520	3,200	3,300	3,000
EWN	Hedge/Member	Mnths 10-15	Decrease	USD	3,200	3,200	3,000	3,000
EWN	Spec	Mnths 16+	Decrease	USD	3,520	3,200	3,300	3,000
EWN	Hedge/Member	Mnths 16+	Decrease	USD	3,200	3,200	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Spec	Mth 1	Decrease	USD	13,200	12,000	12,100	11,000
EW	Hedge/Member	Mth 1	Decrease	USD	12,000	12,000	11,000	11,000
EW	Spec	Mths 2-3	Decrease	USD	6,600	6,000	3,300	3,000
EW	Hedge/Member	Mths 2-3	Decrease	USD	6,000	6,000	3,000	3,000
EW	Spec	Mths 4-9	Decrease	USD	3,960	3,600	2,200	2,000
EW	Hedge/Member	Mths 4-9	Decrease	USD	3,600	3,600	2,000	2,000
EUR1%FUEL OIL CARG FOB MED V FOBNWE (ENS)								
ENS	Spec	Mths 2+	Decrease	USD	1,760	1,600	1,650	1,500
ENS	Hedge/Member	Mths 2+	Decrease	USD	1,600	1,600	1,500	1,500
EURO 3.5% FUEL OIL SPREAD (FK)								
FK	Spec	Mnth 2	Decrease	USD	2,200	2,000	1,430	1,300
FK	Hedge/Member	Mnth 2	Decrease	USD	2,000	2,000	1,300	1,300
FK	Spec	Mnths 3-11	Decrease	USD	1,210	1,100	715	650
FK	Hedge/Member	Mnths 3-11	Decrease	USD	1,100	1,100	650	650
FK	Spec	Mnths 12+	Decrease	USD	1,650	1,500	1,100	1,000
FK	Hedge/Member	Mnths 12+	Decrease	USD	1,500	1,500	1,000	1,000
EURO DIESEL 10PPM VS. ICE (ET)								
ET	Spec	Mnths 1	Decrease	USD	1,650	1,500	1,210	1,100
ET	Hedge/Member	Mnths 1	Decrease	USD	1,500	1,500	1,100	1,100
ET	Spec	Mnths 3-6	Decrease	USD	1,100	1,000	990	900
ET	Hedge/Member	Mnths 3-6	Decrease	USD	1,000	1,000	900	900
ET	Spec	Mnth 2	Decrease	USD	1,320	1,200	990	900
ET	Hedge/Member	Mnth 2	Decrease	USD	1,200	1,200	900	900
ET	Spec	Mnths 7+	Decrease	USD	1,100	1,000	880	800
ET	Hedge/Member	Mnths 7+	Decrease	USD	1,000	1,000	800	800
GLFCST JET PLATTS UP/DN FUT (ME)								
ME	Spec	Mnth 1	Decrease	USD	1,430	1,300	1,210	1,100
ME	Hedge/Member	Mnth 1	Decrease	USD	1,300	1,300	1,100	1,100
ME	Spec	Mnth 2	Decrease	USD	1,155	1,050	770	700
ME	Hedge/Member	Mnth 2	Decrease	USD	1,050	1,050	700	700
ME	Spec	Mnths 3-5	Decrease	USD	1,034	940	715	650
ME	Hedge/Member	Mnths 3-5	Decrease	USD	940	940	650	650
ME	Spec	Mnths 6+	Decrease	USD	1,034	940	715	650
ME	Hedge/Member	Mnths 6+	Decrease	USD	940	940	650	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GLFCST NO.2 PLATTS FIN UP/DN FUT (UT)								
UT	Spec	Mnths 2-3	Decrease	USD	2,640	2,400	2,200	2,000
UT	Hedge/Member	Mnths 2-3	Decrease	USD	2,400	2,400	2,000	2,000
UT	Spec	Mnths 4+	Decrease	USD	1,540	1,400	1,320	1,200
UT	Hedge/Member	Mnths 4+	Decrease	USD	1,400	1,400	1,200	1,200
GRP THREE SUB-OCT GS (PLT) VS RBOB (A8)								
A8	Spec	Mnth 1	Decrease	USD	2,860	2,600	2,200	2,000
A8	Hedge/Member	Mnth 1	Decrease	USD	2,600	2,600	2,000	2,000
A8	Spec	Mnths 2-4	Decrease	USD	1,540	1,400	1,100	1,000
A8	Hedge/Member	Mnths 2-4	Decrease	USD	1,400	1,400	1,000	1,000
A8	Spec	Mnths 5+	Decrease	USD	880	800	605	550
A8	Hedge/Member	Mnths 5+	Decrease	USD	800	800	550	550
GRP3 ULSD VS NY HRBR ULSD FUT (A6)								
A6	Spec	Mnth 1	Decrease	USD	2,200	2,000	1,650	1,500
A6	Hedge/Member	Mnth 1	Decrease	USD	2,000	2,000	1,500	1,500
A6	Spec	Mnth 2	Decrease	USD	660	600	550	500
A6	Hedge/Member	Mnth 2	Decrease	USD	600	600	500	500
A6	Spec	Mnths 3+	Decrease	USD	660	600	550	500
A6	Hedge/Member	Mnths 3+	Decrease	USD	600	600	500	500
GULF COAST CBOB GAS A2 VS RBOB SRRD (CRB)								
CRB	Spec	Mnth 1	Decrease	USD	3,080	2,800	2,640	2,400
CRB	Hedge/Member	Mnth 1	Decrease	USD	2,800	2,800	2,400	2,400
CRB	Spec	Mnth 2	Decrease	USD	1,452	1,320	1,210	1,100
CRB	Hedge/Member	Mnth 2	Decrease	USD	1,320	1,320	1,100	1,100
CRB	Spec	Mnths 3+	Decrease	USD	1,386	1,260	1,210	1,100
CRB	Hedge/Member	Mnths 3+	Decrease	USD	1,260	1,260	1,100	1,100
JET AVIA FUEL(PLTT) FOB V. ICE (1V)								
1V	Spec	Mnth 1	Decrease	USD	6,600	6,000	4,950	4,500
1V	Hedge/Member	Mnth 1	Decrease	USD	6,000	6,000	4,500	4,500
1V	Spec	Mnth 2	Decrease	USD	3,850	3,500	3,190	2,900
1V	Hedge/Member	Mnth 2	Decrease	USD	3,500	3,500	2,900	2,900
1V	Spec	Mnths 3+	Decrease	USD	3,300	3,000	3,190	2,900
1V	Hedge/Member	Mnths 3+	Decrease	USD	3,000	3,000	2,900	2,900
LA CARBOB GASOLINE(OPIS)FUT (JL)								
JL	Spec	Mths 2+	Decrease	USD	5,500	5,000	4,400	4,000
JL	Hedge/Member	Mths 2+	Decrease	USD	5,000	5,000	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								
MINI 380CST VS 3.5% FUEL OIL FUT (MSB)								
MSB	Spec	Mnth 1	Decrease	USD	715	650	660	600
MSB	Hedge/Member	Mnth 1	Decrease	USD	650	650	600	600
MSB	Spec	Mnths 3-6	Decrease	USD	220	200	198	180
MSB	Hedge/Member	Mnths 3-6	Decrease	USD	200	200	180	180
MSB	Spec	Mnths 7-15	Decrease	USD	220	200	198	180
MSB	Hedge/Member	Mnths 7-15	Decrease	USD	200	200	180	180
MINI EAST-WEST FUEL OIL FUTURES (MEW)								
MEW	Spec	Mth 1	Decrease	USD	1,320	1,200	1,210	1,100
MEW	Hedge/Member	Mth 1	Decrease	USD	1,200	1,200	1,100	1,100
MEW	Spec	Mths 2-3	Decrease	USD	660	600	330	300
MEW	Hedge/Member	Mths 2-3	Decrease	USD	600	600	300	300
MEW	Spec	Mths 4-9	Decrease	USD	396	360	220	200
MEW	Hedge/Member	Mths 4-9	Decrease	USD	360	360	200	200
MINI EUR DIESEL10PPM VS ICE GS FUT (MUD)								
MUD	Spec	Mnths 1	Decrease	USD	165	150	121	110
MUD	Hedge/Member	Mnths 1	Decrease	USD	150	150	110	110
MUD	Spec	Mnths 3-6	Decrease	USD	110	100	99	90
MUD	Hedge/Member	Mnths 3-6	Decrease	USD	100	100	90	90
MUD	Spec	Mnth 2	Decrease	USD	132	120	99	90
MUD	Hedge/Member	Mnth 2	Decrease	USD	120	120	90	90
MUD	Spec	Mnths 7+	Decrease	USD	110	100	88	80
MUD	Hedge/Member	Mnths 7+	Decrease	USD	100	100	80	80
NY BUCKEYE JET FUEL VS NY HARB ULSD (JET)								
JET	Spec	Mnths 2+	Decrease	USD	1,210	1,100	990	900
JET	Hedge/Member	Mnths 2+	Decrease	USD	1,100	1,100	900	900
NY ULSD VS. NY HRBR ULSD FUT (7Y)								
7Y	Spec	Mnth 1	Decrease	USD	1,430	1,300	1,210	1,100
7Y	Hedge/Member	Mnth 1	Decrease	USD	1,300	1,300	1,100	1,100
7Y	Spec	Mnth 2	Decrease	USD	1,430	1,300	825	750
7Y	Hedge/Member	Mnth 2	Decrease	USD	1,300	1,300	750	750
7Y	Spec	Mnths 3+	Decrease	USD	1,430	1,300	825	750
7Y	Hedge/Member	Mnths 3+	Decrease	USD	1,300	1,300	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NY1%FO V. GULF COAST HSFO FUT (VR)								
VR	Spec	Mnth 1	Decrease	USD	825	750	715	650
VR	Hedge/Member	Mnth 1	Decrease	USD	750	750	650	650
VR	Spec	Mnth 2	Decrease	USD	440	400	330	300
VR	Hedge/Member	Mnth 2	Decrease	USD	400	400	300	300
VR	Spec	Mnths 3+	Decrease	USD	330	300	275	250
VR	Hedge/Member	Mnths 3+	Decrease	USD	300	300	250	250
SING 380 FUEL OIL VS FUEL OIL ROTDM (EVC)								
EVC	Spec	Mnth 1	Decrease	USD	7,150	6,500	6,600	6,000
EVC	Hedge/Member	Mnth 1	Decrease	USD	6,500	6,500	6,000	6,000
EVC	Spec	Mnths 3-6	Decrease	USD	2,200	2,000	1,980	1,800
EVC	Hedge/Member	Mnths 3-6	Decrease	USD	2,000	2,000	1,800	1,800
EVC	Spec	Mnths 7-15	Decrease	USD	2,200	2,000	1,980	1,800
EVC	Hedge/Member	Mnths 7-15	Decrease	USD	2,000	2,000	1,800	1,800
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Spec	Mnths 1	Decrease	USD	10,670	9,700	4,950	4,500
SD	Hedge/Member	Mnths 1	Decrease	USD	9,700	9,700	4,500	4,500
SD	Spec	Mnths 5-25	Decrease	USD	825	750	660	600
SD	Hedge/Member	Mnths 5-25	Decrease	USD	750	750	600	600
SD	Spec	Mnths 26+	Decrease	USD	825	750	660	600
SD	Hedge/Member	Mnths 26+	Decrease	USD	750	750	600	600
SINGAPORE GASOIL VS ICE (GA)								
GA	Spec	Mnth 1	Decrease	USD	880	800	605	550
GA	Hedge/Member	Mnth 1	Decrease	USD	800	800	550	550
GA	Spec	Mnth 2	Decrease	USD	715	650	495	450
GA	Hedge/Member	Mnth 2	Decrease	USD	650	650	450	450
GA	Spec	Mnths 3+	Decrease	USD	385	350	330	300
GA	Hedge/Member	Mnths 3+	Decrease	USD	350	350	300	300
SINGAPORE JET KERO GASOIL FUT (RK)								
RK	Spec	Mnth 2	Decrease	USD	660	600	550	500
RK	Hedge/Member	Mnth 2	Decrease	USD	600	600	500	500

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						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME).						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME).						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - 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%	55%	55%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
INTEREST RATES - Inter-commodity Spread Rates						
10-YEAR T-NOTE (21 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+3:-1			40%	40%
2-YEAR T-NOTE (26 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+8:-1			40%	40%
5-YEAR T-NOTE (25 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+6:-1			40%	40%
U.S. TREASURY BOND (17 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+2:-1			40%	40%
ULTRA LONG TREASURY BOND (UBE - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
METALS - Inter-commodity Spread Rates						
10-YEAR T-NOTE (21 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+3:-1			40%	40%
2-YEAR T-NOTE (26 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+8:-1			40%	40%
5-YEAR T-NOTE (25 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+6:-1			40%	40%
U.S. TREASURY BOND (17 - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+2:-1			40%	40%
ULTRA LONG TREASURY BOND (UBE - CME) vs GOLD FUTURES (CX-GC - CME)						
Spread Credit Rate	New	+1:-1			40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	35%	35%

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						
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	35%	35%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME).						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME).						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
DME OMAN CRUDE OIL SWAP FUTURES (NY-DOO - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DUBAI CRUDE OIL CALENDAR SWAP (NYM-DC - CME) vs SINGAPORE JET KEROSENE SWAP (NYM-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	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	Mnth5	Increase		0.030		0.040
Clearing Member Rate	Mnth6	Increase		0.020		0.030
Clearing Member Rate	Mnth7	Increase		0.020		0.030
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		0.010		0.020
Clearing Member Rate	Mnth16	Increase		0.010		0.015
Clearing Member Rate	Mnth17	Increase		0.010		0.015
Clearing Member Rate	Mnth18	Increase		0.010		0.015
Clearing Member Rate	Mnth19	Increase		0.010		0.015
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	Mnth5	Increase		0.030		0.040
Clearing Member Rate	Mnth6	Increase		0.020		0.030
Clearing Member Rate	Mnth7	Increase		0.020		0.030
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
Clearing Member Rate	Mnth16	Increase		0.010		0.015
Clearing Member Rate	Mnth17	Increase		0.010		0.015
Clearing Member Rate	Mnth18	Increase		0.010		0.015
Clearing Member Rate	Mnth19	Increase		0.010		0.015
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (BB, BBT, MBZ, ODB, SBB) - volScan						
Clearing Member Rate	Mnth1	Decrease		0.120		0.100
Clearing Member Rate	Mnth5	Increase		0.030		0.040
Clearing Member Rate	Mnth6	Increase		0.020		0.030
Clearing Member Rate	Mnth7	Increase		0.020		0.030
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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
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
Clearing Member Rate	Mnth16	Increase		0.010		0.015
Clearing Member Rate	Mnth17	Increase		0.010		0.015
Clearing Member Rate	Mnth18	Increase		0.010		0.015
Clearing Member Rate	Mnth19	Increase		0.010		0.015
CRUDE OIL FINANCIAL FUTURES (MCL, QM, WS) - volScan						
Clearing Member Rate	Mnth3	Increase		0.045		0.050
Clearing Member Rate	Mnth4	Increase		0.035		0.040
Clearing Member Rate	Mnth5	Increase		0.030		0.035
Clearing Member Rate	Mnth6	Increase		0.025		0.030
Clearing Member Rate	Mnth7	Increase		0.025		0.030
Clearing Member Rate	Mnth12	Decrease		0.025		0.020
Clearing Member Rate	Mnth13	Decrease		0.025		0.020
Clearing Member Rate	Mnth14	Decrease		0.025		0.020
Clearing Member Rate	Mnth15	Decrease		0.025		0.020
Clearing Member Rate	Mnth16	Decrease		0.025		0.020
Clearing Member Rate	Mnth17	Decrease		0.025		0.020
Clearing Member Rate	Mnth18	Decrease		0.025		0.020
Clearing Member Rate	Mnth19	Decrease		0.025		0.020
CRUDE OIL LAST DAY FINANCIAL FUTURES (26, S26) - volScan						
Clearing Member Rate	Mnth3	Increase		0.045		0.050
Clearing Member Rate	Mnth4	Increase		0.035		0.040
Clearing Member Rate	Mnth5	Increase		0.030		0.035
Clearing Member Rate	Mnth6	Increase		0.025		0.030
Clearing Member Rate	Mnth7	Increase		0.025		0.030
Clearing Member Rate	Mnth12	Decrease		0.025		0.020
Clearing Member Rate	Mnth13	Decrease		0.025		0.020
Clearing Member Rate	Mnth14	Decrease		0.025		0.020
Clearing Member Rate	Mnth15	Decrease		0.025		0.020
Clearing Member Rate	Mnth16	Decrease		0.025		0.020
Clearing Member Rate	Mnth17	Decrease		0.025		0.020
Clearing Member Rate	Mnth18	Decrease		0.025		0.020
Clearing Member Rate	Mnth19	Decrease		0.025		0.020
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (DBP, MDB, UB) - volScan						
Clearing Member Rate	Mths 1 - 6	Decrease		0.120		0.100
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	Mnth3	Increase		0.045		0.050

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	Increase		0.035		0.040
Clearing Member Rate	Mnth5	Increase		0.030		0.035
Clearing Member Rate	Mnth6	Increase		0.025		0.030
Clearing Member Rate	Mnth7	Increase		0.025		0.030
Clearing Member Rate	Mnth12	Decrease		0.025		0.020
Clearing Member Rate	Mnth13	Decrease		0.025		0.020
Clearing Member Rate	Mnth14	Decrease		0.025		0.020
Clearing Member Rate	Mnth15	Decrease		0.025		0.020
Clearing Member Rate	Mnth16	Decrease		0.025		0.020
Clearing Member Rate	Mnth17	Decrease		0.025		0.020
Clearing Member Rate	Mnth18	Decrease		0.025		0.020
Clearing Member Rate	Mnth19	Decrease		0.025		0.020
WTI CALENDAR SWAP FUTURES (AO, CS) - volScan						
Clearing Member Rate	Mnth3	Increase		0.045		0.050
Clearing Member Rate	Mnth4	Increase		0.035		0.040
Clearing Member Rate	Mnth5	Increase		0.030		0.035
Clearing Member Rate	Mnth6	Increase		0.025		0.030
Clearing Member Rate	Mnth7	Increase		0.025		0.030
Clearing Member Rate	Mnth12	Decrease		0.025		0.020
Clearing Member Rate	Mnth13	Decrease		0.025		0.020
Clearing Member Rate	Mnth14	Decrease		0.025		0.020
Clearing Member Rate	Mnth15	Decrease		0.025		0.020
Clearing Member Rate	Mnth16	Decrease		0.025		0.020
Clearing Member Rate	Mnth17	Decrease		0.025		0.020
Clearing Member Rate	Mnth18	Decrease		0.025		0.020
Clearing Member Rate	Mnth19	Decrease		0.025		0.020

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (0D, Q6, UV) - volScan						
Clearing Member Rate	Mnths 2-6	Decrease		0.055		0.045
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (GE, GVR) - volScan						
Clearing Member Rate	Mnth 1	Decrease		0.080		0.060
Clearing Member Rate	Mnths 2-6	Decrease		0.040		0.030
HEATING OIL CALENDAR SWAP FUTURES (AT, MP, QH) - volScan						
Clearing Member Rate	Mnth8	Decrease		0.025		0.020
Clearing Member Rate	Mnth9	Decrease		0.025		0.020
Clearing Member Rate	Mnth10	Decrease		0.025		0.020
Clearing Member Rate	Mnth11	Decrease		0.025		0.020
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
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
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
RBOB GASOLINE CALENDAR SWAP FUTURES (RA, RL) - volScan						
Clearing Member Rate	Mnth2	Decrease		0.050		0.040
Clearing Member Rate	Mnth3	Decrease		0.040		0.030
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
RBOB GASOLINE FINANCIAL FUTURES (QU, RT) - volScan						
Clearing Member Rate	Mnth2	Decrease		0.050		0.040
Clearing Member Rate	Mnth3	Decrease		0.040		0.030
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	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						
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
RBOB GASOLINE FUTURES (3RB, 4RB, OB, RB, RBL, RBP, RBS, RBT, RF) - volScan						
Clearing Member Rate	Mnth2	Decrease		0.050		0.040
Clearing Member Rate	Mnth3	Decrease		0.040		0.030
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (27, S27) - volScan						
Clearing Member Rate	Mnth2	Decrease		0.050		0.040
Clearing Member Rate	Mnth3	Decrease		0.040		0.030
Clearing Member Rate	Mnth4	Decrease		0.030		0.025
Clearing Member Rate	Mnth5	Decrease		0.030		0.025
Clearing Member Rate	Mnth6	Decrease		0.030		0.025
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (8H, MTS, SE) - volScan						
Clearing Member Rate	Mnths 2-6	Decrease		0.040		0.030
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (M2, MSG, SG, SSG) - volScan						
Clearing Member Rate	Mnths 2-6	Decrease		0.050		0.040
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (KS, N2, SKS) - volScan						
Clearing Member Rate	Mnths 2-6	Decrease		0.050		0.040