



13-578

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, December 19, 2013

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, December 20, 2013.

Current rates as of:

Thursday, December 19, 2013.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL SPREADS - Outright Rates								
CANADIAN HEAVYCRUDE(NET ENRGY) FUT (WCC)								
WCC	Spec	Mnths 3-6	Increase	USD	1,540	1,400	2,200	2,000
WCC	Hedge/Member	Mnths 3-6	Increase	USD	1,400	1,400	2,000	2,000
ELECTRICITY - Outright Rates								
NEPOOL RHD ISLD 5MW D AH PK (U4)								
U4	Spec	Mnths 12+	Increase	USD	358	325	550	500
U4	Hedge/Member	Mnths 12+	Increase	USD	325	325	500	500
FX - Outright Rates								
EURO FX/BP FUTURE (RP)								
RP	Spec		Increase	GBP	1,238	1,125	1,650	1,500
RP	Hedge/Member		Increase	GBP	1,125	1,125	1,500	1,500
PETROLEUM CRACKS AND SPREADS - Outright Rates								
SING 380 FUEL OIL VS FUEL OIL ROTDM (EVC)								
EVC	Spec	Mnth 1	Increase	USD	6,600	6,000	7,700	7,000
EVC	Hedge/Member	Mnth 1	Increase	USD	6,000	6,000	7,000	7,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL - Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Decrease	USD	275	250	165	150
BZL	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Decrease	USD	275	250	165	150
BZS	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Decrease	USD	275	250	165	150
BBT	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT FINANCIAL FUTURES)								
BB	Spec		Decrease	USD	275	250	165	150
BB	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Decrease	USD	275	250	165	150
BZ	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Decrease	USD	275	250	165	150
BZT	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Decrease	USD	0	0	0	0
MBZ	Hedge/Member		Decrease	USD	0	0	0	0
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 01 - 02 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Decrease	USD	275	250	165	150
SBB	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	220	200	330	300
BZL	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	220	200	330	300
BZS	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	220	200	330	300
BBT	Hedge/Member		Increase	USD	200	200	300	300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	220	200	330	300
BB	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	220	200	330	300
BZ	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	220	200	330	300
BZT	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	0	0	0	0
MBZ	Hedge/Member		Increase	USD	0	0	0	0
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 03 - 04 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	220	200	330	300
SBB	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 1-2 (BRENT FINANCIAL FUTURES)								
CY	Spec		Decrease	USD	275	250	165	150
CY	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 1-2 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Decrease	USD	275	250	165	150
IBS	Hedge/Member		Decrease	USD	250	250	150	150
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 3-4 (BRENT FINANCIAL FUTURES)								
CY	Spec		Increase	USD	220	200	330	300
CY	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Consecutive Months 3-4 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	220	200	330	300
IBS	Hedge/Member		Increase	USD	200	200	300	300
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	275	250	385	350
BZL	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	275	250	385	350
BZS	Hedge/Member		Increase	USD	250	250	350	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	275	250	385	350
BBT	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	275	250	385	350
BB	Hedge/Member		Increase	USD	250	250	350	350
CY	Spec		Increase	USD	275	250	385	350
CY	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	275	250	385	350
BZ	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	275	250	385	350
BZT	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	275	250	385	350
IBS	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	0	0	0	0
MBZ	Hedge/Member		Increase	USD	0	0	0	0
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 2 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	275	250	385	350
SBB	Hedge/Member		Increase	USD	250	250	350	350
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	715	650	935	850
BBT	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	715	650	935	850
BB	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	1	1	1	1
MBZ	Hedge/Member		Increase	USD	1	1	1	1
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	715	650	935	850
SBB	Hedge/Member		Increase	USD	650	650	850	850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	715	650	935	850
BZL	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	715	650	935	850
BZS	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT FINANCIAL FUTURES)								
CY	Spec		Increase	USD	715	650	935	850
CY	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	715	650	935	850
BZ	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	715	650	935	850
BZT	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 3 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	715	650	935	850
IBS	Hedge/Member		Increase	USD	650	650	850	850
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	1,650	1,500	1,870	1,700
BZL	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	1,650	1,500	1,870	1,700
BZS	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	1,650	1,500	1,870	1,700
BBT	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	1,650	1,500	1,870	1,700
BB	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
CY	Spec		Increase	USD	1,650	1,500	1,870	1,700
CY	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	1,650	1,500	1,870	1,700
BZ	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	1,650	1,500	1,870	1,700
BZT	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	1,650	1,500	1,870	1,700
IBS	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	2	2	2	2
MBZ	Hedge/Member		Increase	USD	2	2	2	2
Brent Crude Oil (BB, BZ, CY) - Tier 1 vs. Tier 4 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	1,650	1,500	1,870	1,700
SBB	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	770	700	990	900
BBT	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	770	700	990	900
BB	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	1	1	1	1
MBZ	Hedge/Member		Increase	USD	1	1	1	1
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	770	700	990	900
SBB	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	770	700	990	900
BZL	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	770	700	990	900
BZS	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT FINANCIAL FUTURES)								
CY	Spec		Increase	USD	770	700	990	900
CY	Hedge/Member		Increase	USD	700	700	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	770	700	990	900
BZ	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	770	700	990	900
BZT	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 2 vs. Tier 3 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	770	700	990	900
IBS	Hedge/Member		Increase	USD	700	700	900	900
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT CRUDE TAM LONDON)								
BZL	Spec		Increase	USD	825	750	1,210	1,100
BZL	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT CRUDE TAM SINGAPORE)								
BZS	Spec		Increase	USD	825	750	1,210	1,100
BZS	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT FIN TRAD AT SETTLE FUTURES)								
BBT	Spec		Increase	USD	825	750	1,210	1,100
BBT	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT FINANCIAL FUTURES)								
BB	Spec		Increase	USD	825	750	1,210	1,100
BB	Hedge/Member		Increase	USD	750	750	1,100	1,100
CY	Spec		Increase	USD	825	750	1,210	1,100
CY	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT LAST DAY CONTRACT)								
BZ	Spec		Increase	USD	825	750	1,210	1,100
BZ	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (BRENT LAST DAYTRADE AT SETTLEMENT)								
BZT	Spec		Increase	USD	825	750	1,210	1,100
BZT	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (ICE BRENT (SINGAPORE MARKER) FUT)								
IBS	Spec		Increase	USD	825	750	1,210	1,100
IBS	Hedge/Member		Increase	USD	750	750	1,100	1,100
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (MICRO BRENT CRUDE OIL FUTURES)								
MBZ	Spec		Increase	USD	1	1	1	1
MBZ	Hedge/Member		Increase	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Brent Crude Oil (BB, BZ, CY) - Tier 3 vs. Tier 3 (SYNTHETIC BRENT FINANCIAL FUTURES)								
SBB	Spec		Increase	USD	825	750	1,210	1,100
SBB	Hedge/Member		Increase	USD	750	750	1,100	1,100
Dubai Crude Oil Calendar Swap - All Months (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	1,320	1,200	1,980	1,800
DC	Hedge/Member		Increase	USD	1,200	1,200	1,800	1,800
Dubai Crude Oil Calendar Swap - Consecutive Months 1-2 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	550	500	880	800
DC	Hedge/Member		Increase	USD	500	500	800	800
Dubai Crude Oil Calendar Swap - Consecutive Months 2-3 (DUBAI CRUDE OIL CALENDAR FUT)								
DC	Spec		Increase	USD	330	300	440	400
DC	Hedge/Member		Increase	USD	300	300	400	400
Light Sweet Crude Oil (CL) - 1 Month Butterfly Month 06-08 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	99	90	138	125
CL	Hedge/Member		Increase	USD	90	90	125	125
Light Sweet Crude Oil (CL) - 1 Month Butterfly Month 06-08 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	99	90	138	125
CLL	Hedge/Member		Increase	USD	90	90	125	125
Light Sweet Crude Oil (CL) - 1 Month Butterfly Month 06-08 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	99	90	138	125
CLS	Hedge/Member		Increase	USD	90	90	125	125
Light Sweet Crude Oil (CL) - 1 Month Butterfly Month 06-08 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	99	90	138	125
CLT	Hedge/Member		Increase	USD	90	90	125	125
Light Sweet Crude Oil (CL) - 1 Month Butterfly Month 06-08 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	99	90	138	125
XCT	Hedge/Member		Increase	USD	90	90	125	125
Light Sweet Crude Oil (CL) - 1 Month Condor Month 3-6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	138	125	198	180
CL	Hedge/Member		Increase	USD	125	125	180	180
Light Sweet Crude Oil (CL) - 1 Month Condor Month 3-6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	138	125	198	180
CLL	Hedge/Member		Increase	USD	125	125	180	180

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL) - 1 Month Condor Month 3-6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	138	125	198	180
CLS	Hedge/Member		Increase	USD	125	125	180	180
Light Sweet Crude Oil (CL) - 1 Month Condor Month 3-6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	138	125	198	180
CLT	Hedge/Member		Increase	USD	125	125	180	180
Light Sweet Crude Oil (CL) - 1 Month Condor Month 3-6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	138	125	198	180
XCT	Hedge/Member		Increase	USD	125	125	180	180
Light Sweet Crude Oil (CL) - 1 Month Condor Month 5-8 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	138	125	253	230
CL	Hedge/Member		Increase	USD	125	125	230	230
Light Sweet Crude Oil (CL) - 1 Month Condor Month 5-8 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	138	125	253	230
CLL	Hedge/Member		Increase	USD	125	125	230	230
Light Sweet Crude Oil (CL) - 1 Month Condor Month 5-8 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	138	125	253	230
CLS	Hedge/Member		Increase	USD	125	125	230	230
Light Sweet Crude Oil (CL) - 1 Month Condor Month 5-8 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	138	125	253	230
CLT	Hedge/Member		Increase	USD	125	125	230	230
Light Sweet Crude Oil (CL) - 1 Month Condor Month 5-8 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	138	125	253	230
XCT	Hedge/Member		Increase	USD	125	125	230	230
Light Sweet Crude Oil (CL) - 1 Month Condor Month 6-9 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	138	125	220	200
CL	Hedge/Member		Increase	USD	125	125	200	200
Light Sweet Crude Oil (CL) - 1 Month Condor Month 6-9 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	138	125	220	200
CLL	Hedge/Member		Increase	USD	125	125	200	200
Light Sweet Crude Oil (CL) - 1 Month Condor Month 6-9 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	138	125	220	200
CLS	Hedge/Member		Increase	USD	125	125	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL) - 1 Month Condor Month 6-9 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	138	125	220	200
CLT	Hedge/Member		Increase	USD	125	125	200	200
Light Sweet Crude Oil (CL) - 1 Month Condor Month 6-9 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	138	125	220	200
XCT	Hedge/Member		Increase	USD	125	125	200	200
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	275	250	385	350
CL	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	275	250	385	350
CLL	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	275	250	385	350
CLS	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	275	250	385	350
CLT	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	275	250	385	350
XCT	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 01 - 02 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	275	250	385	350
CS	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	138	125	165	150
CL	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	138	125	165	150
CLL	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	138	125	165	150
CLS	Hedge/Member		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
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	138	125	165	150
CLT	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	138	125	165	150
XCT	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 08 - 09 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	138	125	165	150
CS	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	138	125	165	150
CL	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	138	125	165	150
CLL	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	138	125	165	150
CLS	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	138	125	165	150
CLT	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	138	125	165	150
XCT	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 09 - 10 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	138	125	165	150
CS	Hedge/Member		Increase	USD	125	125	150	150
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 1-2 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	275	250	385	350
26	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 1-2 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	275	250	385	350
WS	Hedge/Member		Increase	USD	250	250	350	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 1-2 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	138	125	193	175
QM	Hedge/Member		Increase	USD	125	125	175	175
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 1-2 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	0	0	0	0
MCL	Hedge/Member		Increase	USD	0	0	0	0
Light Sweet Crude Oil (CL, CS, WS, 26) - Consecutive Months 1-2 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	275	250	385	350
S26	Hedge/Member		Increase	USD	250	250	350	350
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	715	650	825	750
26	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	715	650	825	750
WS	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	715	650	825	750
CL	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	715	650	825	750
CLL	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	715	650	825	750
CLS	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	715	650	825	750
CLT	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	358	325	413	375
QM	Hedge/Member		Increase	USD	325	325	375	375
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	1	1
MCL	Hedge/Member		Increase	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	715	650	825	750
XCT	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	715	650	825	750
S26	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 2 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	715	650	825	750
CS	Hedge/Member		Increase	USD	650	650	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,320	1,200	1,430	1,300
26	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,320	1,200	1,430	1,300
WS	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,320	1,200	1,430	1,300
CL	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,320	1,200	1,430	1,300
CLL	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,320	1,200	1,430	1,300
CLS	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,320	1,200	1,430	1,300
CLT	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	660	600	715	650
QM	Hedge/Member		Increase	USD	600	600	650	650
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	1	1
MCL	Hedge/Member		Increase	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,320	1,200	1,430	1,300
XCT	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,320	1,200	1,430	1,300
S26	Hedge/Member		Increase	USD	1,200	1,200	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 3 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	1,870	1,700	1,430	1,300
CS	Hedge/Member		Decrease	USD	1,700	1,700	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,760	1,600	1,925	1,750
26	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,760	1,600	1,925	1,750
WS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,760	1,600	1,925	1,750
CL	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLL	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLT	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	880	800	963	875
QM	Hedge/Member		Increase	USD	800	800	875	875
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	2	2	2	2
MCL	Hedge/Member		Increase	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,760	1,600	1,925	1,750
XCT	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,760	1,600	1,925	1,750
S26	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 5 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,760	1,600	1,925	1,750
CS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,760	1,600	1,925	1,750
26	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,760	1,600	1,925	1,750
WS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,760	1,600	1,925	1,750
CL	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLL	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,760	1,600	1,925	1,750
CLT	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	880	800	963	875
QM	Hedge/Member		Increase	USD	800	800	875	875
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	2	2	2	2
MCL	Hedge/Member		Increase	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,760	1,600	1,925	1,750
XCT	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,760	1,600	1,925	1,750
S26	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 1 vs. Tier 6 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,760	1,600	1,925	1,750
CS	Hedge/Member		Increase	USD	1,600	1,600	1,750	1,750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,485	1,350	1,705	1,550
26	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,485	1,350	1,705	1,550
WS	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,485	1,350	1,705	1,550
CL	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,485	1,350	1,705	1,550
CLL	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,485	1,350	1,705	1,550
CLS	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,485	1,350	1,705	1,550
CLT	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	743	675	853	775
QM	Hedge/Member		Increase	USD	675	675	775	775
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	2	2
MCL	Hedge/Member		Increase	USD	1	1	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,485	1,350	1,705	1,550
XCT	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,485	1,350	1,705	1,550
S26	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 5 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,485	1,350	1,705	1,550
CS	Hedge/Member		Increase	USD	1,350	1,350	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,650	1,500	1,870	1,700
26	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,650	1,500	1,870	1,700
WS	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,650	1,500	1,870	1,700
CL	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,650	1,500	1,870	1,700
CLL	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,650	1,500	1,870	1,700
CLS	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,650	1,500	1,870	1,700
CLT	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	825	750	935	850
QM	Hedge/Member		Increase	USD	750	750	850	850
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	2	2	2	2
MCL	Hedge/Member		Increase	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,650	1,500	1,870	1,700
XCT	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,650	1,500	1,870	1,700
S26	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 2 vs. Tier 6 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,650	1,500	1,870	1,700
CS	Hedge/Member		Increase	USD	1,500	1,500	1,700	1,700
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	660	600	880	800
26	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	660	600	880	800
WS	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	660	600	880	800
CL	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	660	600	880	800
CLL	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	660	600	880	800
CLS	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	660	600	880	800
CLT	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	330	300	440	400
QM	Hedge/Member		Increase	USD	300	300	400	400
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	1	1
MCL	Hedge/Member		Increase	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	660	600	880	800
XCT	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	660	600	880	800
S26	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 3 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	660	600	880	800
CS	Hedge/Member		Increase	USD	600	600	800	800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,155	1,050	1,430	1,300
26	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,155	1,050	1,430	1,300
WS	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,155	1,050	1,430	1,300
CL	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,155	1,050	1,430	1,300
CLL	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,155	1,050	1,430	1,300
CLS	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,155	1,050	1,430	1,300
CLT	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	578	525	715	650
QM	Hedge/Member		Increase	USD	525	525	650	650
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	1	1
MCL	Hedge/Member		Increase	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,155	1,050	1,430	1,300
XCT	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,155	1,050	1,430	1,300
S26	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 5 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,155	1,050	1,430	1,300
CS	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Increase	USD	1,375	1,250	1,650	1,500
26	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Increase	USD	1,375	1,250	1,650	1,500
WS	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	1,375	1,250	1,650	1,500
CL	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Increase	USD	1,375	1,250	1,650	1,500
CLL	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Increase	USD	1,375	1,250	1,650	1,500
CLS	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Increase	USD	1,375	1,250	1,650	1,500
CLT	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Increase	USD	688	625	825	750
QM	Hedge/Member		Increase	USD	625	625	750	750
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Increase	USD	1	1	2	2
MCL	Hedge/Member		Increase	USD	1	1	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Increase	USD	1,375	1,250	1,650	1,500
XCT	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Increase	USD	1,375	1,250	1,650	1,500
S26	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 6 (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	1,375	1,250	1,650	1,500
CS	Hedge/Member		Increase	USD	1,250	1,250	1,500	1,500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	2,750	2,500	2,530	2,300
26	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
WS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CL	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLL	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLT	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	1,375	1,250	1,265	1,150
QM	Hedge/Member		Decrease	USD	1,250	1,250	1,150	1,150
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	3	3	3	2
MCL	Hedge/Member		Decrease	USD	3	3	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	2,750	2,500	2,530	2,300
XCT	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	2,750	2,500	2,530	2,300
S26	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 3 vs. Tier 7 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	660	600	550	500
26	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	660	600	550	500
WS	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	660	600	550	500
CL	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	660	600	550	500
CLL	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	660	600	550	500
CLS	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	660	600	550	500
CLT	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	330	300	275	250
QM	Hedge/Member		Decrease	USD	300	300	250	250
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	1	1	1	1
MCL	Hedge/Member		Decrease	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	660	600	550	500
XCT	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	660	600	550	500
S26	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 4 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	660	600	550	500
CS	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	1,375	1,250	1,210	1,100
26	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	1,375	1,250	1,210	1,100
WS	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	1,375	1,250	1,210	1,100
CL	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	1,375	1,250	1,210	1,100
CLL	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	1,375	1,250	1,210	1,100
CLS	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	1,375	1,250	1,210	1,100
CLT	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	688	625	605	550
QM	Hedge/Member		Decrease	USD	625	625	550	550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	1	1	1	1
MCL	Hedge/Member		Decrease	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	1,375	1,250	1,210	1,100
XCT	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	1,375	1,250	1,210	1,100
S26	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 6 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	1,375	1,250	1,210	1,100
CS	Hedge/Member		Decrease	USD	1,250	1,250	1,100	1,100
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	2,750	2,500	2,530	2,300
26	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
WS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CL	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLL	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CLT	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	1,375	1,250	1,265	1,150
QM	Hedge/Member		Decrease	USD	1,250	1,250	1,150	1,150
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	3	3	3	2
MCL	Hedge/Member		Decrease	USD	3	3	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	2,750	2,500	2,530	2,300
XCT	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	2,750	2,500	2,530	2,300
S26	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 4 vs. Tier 7 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	2,750	2,500	2,530	2,300
CS	Hedge/Member		Decrease	USD	2,500	2,500	2,300	2,300
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	660	600	495	450
26	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	660	600	495	450
WS	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	660	600	495	450
CL	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	660	600	495	450
CLL	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	660	600	495	450
CLS	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	660	600	495	450
CLT	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	330	300	248	225
QM	Hedge/Member		Decrease	USD	300	300	225	225
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	1	1	0	0
MCL	Hedge/Member		Decrease	USD	1	1	0	0

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	660	600	495	450
XCT	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	660	600	495	450
S26	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 5 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	660	600	495	450
CS	Hedge/Member		Decrease	USD	600	600	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	1,375	1,250	990	900
26	Hedge/Member		Decrease	USD	1,250	1,250	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	1,375	1,250	990	900
WS	Hedge/Member		Decrease	USD	1,250	1,250	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	1,210	1,100	990	900
CL	Hedge/Member		Decrease	USD	1,100	1,100	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	1,210	1,100	990	900
CLL	Hedge/Member		Decrease	USD	1,100	1,100	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	1,210	1,100	990	900
CLS	Hedge/Member		Decrease	USD	1,100	1,100	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	1,210	1,100	990	900
CLT	Hedge/Member		Decrease	USD	1,100	1,100	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	688	625	495	450
QM	Hedge/Member		Decrease	USD	625	625	450	450
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	1	1	1	1
MCL	Hedge/Member		Decrease	USD	1	1	1	1

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	1,210	1,100	990	900
XCT	Hedge/Member		Decrease	USD	1,100	1,100	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	1,375	1,250	990	900
S26	Hedge/Member		Decrease	USD	1,250	1,250	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 6 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	1,375	1,250	990	900
CS	Hedge/Member		Decrease	USD	1,250	1,250	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	2,475	2,250	2,090	1,900
26	Hedge/Member		Decrease	USD	2,250	2,250	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	2,475	2,250	2,090	1,900
WS	Hedge/Member		Decrease	USD	2,250	2,250	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	2,310	2,100	2,090	1,900
CL	Hedge/Member		Decrease	USD	2,100	2,100	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	2,310	2,100	2,090	1,900
CLL	Hedge/Member		Decrease	USD	2,100	2,100	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	2,310	2,100	2,090	1,900
CLS	Hedge/Member		Decrease	USD	2,100	2,100	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	2,310	2,100	2,090	1,900
CLT	Hedge/Member		Decrease	USD	2,100	2,100	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	1,238	1,125	1,045	950
QM	Hedge/Member		Decrease	USD	1,125	1,125	950	950
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	2	2	2	2
MCL	Hedge/Member		Decrease	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	2,310	2,100	2,090	1,900
XCT	Hedge/Member		Decrease	USD	2,100	2,100	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	2,475	2,250	2,090	1,900
S26	Hedge/Member		Decrease	USD	2,250	2,250	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 5 vs. Tier 7 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	2,475	2,250	2,090	1,900
CS	Hedge/Member		Decrease	USD	2,250	2,250	1,900	1,900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	2,200	2,000	1,980	1,800
26	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	2,200	2,000	1,980	1,800
WS	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	2,200	2,000	1,980	1,800
CL	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	2,200	2,000	1,980	1,800
CLL	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	2,200	2,000	1,980	1,800
CLS	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	2,200	2,000	1,980	1,800
CLT	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	1,100	1,000	990	900
QM	Hedge/Member		Decrease	USD	1,000	1,000	900	900
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	2	2	2	2
MCL	Hedge/Member		Decrease	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	2,200	2,000	1,980	1,800
XCT	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	2,200	2,000	1,980	1,800
S26	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 6 vs. Tier 7 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	2,200	2,000	1,980	1,800
CS	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL LAST DAY FINANCIAL FUT)								
26	Spec		Decrease	USD	1,925	1,750	1,705	1,550
26	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL FINANCIAL FUTURES)								
WS	Spec		Decrease	USD	1,925	1,750	1,705	1,550
WS	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CL	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CLL	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CLS	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CLT	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (E-MINI CRUDE OIL FUTURES)								
QM	Spec		Decrease	USD	963	875	853	775
QM	Hedge/Member		Decrease	USD	875	875	775	775
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (MICRO CRUDE OIL FUTURES)								
MCL	Spec		Decrease	USD	2	2	2	2
MCL	Hedge/Member		Decrease	USD	2	2	2	2

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	1,925	1,750	1,705	1,550
XCT	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (SYNCRUDE OIL LAST DAY FINANCI)								
S26	Spec		Decrease	USD	1,925	1,750	1,705	1,550
S26	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
Light Sweet Crude Oil (CL, CS, WS, 26) - Tier 7 vs. Tier 7 (WTI CALENDAR FUT)								
CS	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CS	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
LLS (Argus) Calendar Swap - All Months (LLS (ARGUS) CALENDAR FUT)								
XA	Spec		Increase	USD	440	400	880	800
XA	Hedge/Member		Increase	USD	400	400	800	800
Oman Crude Oil - Tier 1 vs Tier 2 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	1,540	1,400	1,980	1,800
OQ	Hedge/Member		Increase	USD	1,400	1,400	1,800	1,800
Oman Crude Oil - Tier 1 vs Tier 2 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	1,540	1,400	1,980	1,800
ZG	Hedge/Member		Increase	USD	1,400	1,400	1,800	1,800
Oman Crude Oil - Tier 2 vs Tier 2 (DME OMAN CRUDE OIL)								
OQ	Spec		Decrease	USD	880	800	715	650
OQ	Hedge/Member		Decrease	USD	800	800	650	650
Oman Crude Oil - Tier 2 vs Tier 2 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Decrease	USD	880	800	715	650
ZG	Hedge/Member		Decrease	USD	800	800	650	650
Oman Crude Oil (NY-OQ) - Consecutive Months 1-2 (DME OMAN CRUDE OIL)								
OQ	Spec		Increase	USD	1,100	1,000	1,650	1,500
OQ	Hedge/Member		Increase	USD	1,000	1,000	1,500	1,500
Oman Crude Oil (NY-OQ) - Consecutive Months 1-2 (OMAN CRUDE FINANCIAL)								
ZG	Spec		Increase	USD	1,100	1,000	1,650	1,500
ZG	Hedge/Member		Increase	USD	1,000	1,000	1,500	1,500
WTI Calendar Swap (CS) - 1 Month Butterfly Month 6-8. (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	99	90	138	125
CS	Hedge/Member		Increase	USD	90	90	125	125

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
WTI Calendar Swap (CS) - 1 Month Condor Month 3-6. (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	138	125	198	180
CS	Hedge/Member		Increase	USD	125	125	180	180
WTI Calendar Swap (CS) - 1 Month Condor Month 5-8. (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	138	125	253	230
CS	Hedge/Member		Increase	USD	125	125	230	230
WTI Calendar Swap (CS) - 1 Month Condor Month 6-9. (WTI CALENDAR FUT)								
CS	Spec		Increase	USD	138	125	220	200
CS	Hedge/Member		Increase	USD	125	125	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL SPREADS - Intra Spreads								
ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES - All Months (ARGUS LLS VS. WTI (ARG) TRD M)								
E5	Spec		Decrease	USD	1,430	1,300	660	600
E5	Hedge/Member		Decrease	USD	1,300	1,300	600	600
Dated-to-Frontline Brent Swap - All Months (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Spec		Decrease	USD	220	200	165	150
FY	Hedge/Member		Decrease	USD	200	200	150	150
Dubai Brent Swap - Mnth 1 vs Mnths 2-3 (ICE BRENT DUBAI FUT)								
DB	Spec		Decrease	USD	330	300	248	225
DB	Hedge/Member		Decrease	USD	300	300	225	225
Dubai Brent Swap - Mnth 1 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnth 1 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 2-3 vs Mnths 2-3 (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 2-3 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 2-3 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 4-8 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 4-8 vs Mnths 4-8 (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225
Dubai Brent Swap - Mnths 9+ vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Spec		New	USD			248	225
DB	Hedge/Member		New	USD			225	225

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
LLS (Argus) vs. WTI Spread Calendar Swap - All Months (LLS (ARGUS) V WTI FUT)								
WJ	Spec		Decrease	USD	1,045	950	715	650
WJ	Hedge/Member		Decrease	USD	950	950	650	650
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
Mars (Argus) vs. WTI Spread Calendar Swap - All Months (MARS (ARGUS) V WTI FUT)								
YX	Spec		Decrease	USD	1,925	1,750	1,760	1,600
YX	Hedge/Member		Decrease	USD	1,750	1,750	1,600	1,600
Mars (Argus) vs. WTI Spread Trade Month Swap - All Months (MARS (ARGUS) V WTI TRD MTH FUT)								
YV	Spec		Increase	USD	1,540	1,400	2,035	1,850
YV	Hedge/Member		Increase	USD	1,400	1,400	1,850	1,850

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
COAL - Inter-commodity Spread Rates						
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)						
Spread Credit Rate	Decrease	+10:-1	30%	30%	0%	0%
ENVIRONMENTAL - Inter-commodity Spread Rates						
IN DELIVERY MONTH EUROPEAN UNION ALLOWANCE (EUA) FUTURES (NY-6T - CME) vs COAL (API 4) FOB RICHARDS BAY (ARGUS/MCCLOSKEY) SWAP FUTURES (NY-MFF - CME)						
Spread Credit Rate	Decrease	+10:-1	30%	30%	0%	0%
EQUITY INDEX - Inter-commodity Spread Rates						
DOW JONES (11 - CME) vs NIKKEI 225 YEN-BASED (N1 - CME)						
Spread Credit Rate	New	+1:-2			35%	35%
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
EMINI SP 500 CONS STAPLES SECTOR IX (XAP) vs EMINI SP500-UTILITIES SECTOR INDEX (XAU)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)						
Spread Credit Rate	Increase	+1:-2	35%	35%	60%	60%
EMINI SP 500 ENERGY SECTOR INDEX (XAE) vs NASDAQ 100 FUTURES (ND)						
Spread Credit Rate	Increase	+4:-1	55%	55%	65%	65%
EMINI SP500 - FINANCIAL SECT INDEX (XAF) vs NASDAQ 100 FUTURES (ND)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
E-MINI SP500 CONS DISCRET SECTOR IX (XAY) vs S&P 500 FUTURES (SP)						
Spread Credit Rate	Decrease	+2:-1	85%	85%	75%	75%
EMINI SP500- HEALTH CARE SECT INDEX (XAV) vs S&P 400 FUTURES (MD)						
Spread Credit Rate	Increase	+12:-1	60%	60%	75%	75%
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs EMINI SP 500 CONS STAPLES SECTOR IX (XAP)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
EMINI SP500 MATERIALS SECTOR INDEX (XAB) vs EMINI SP500-UTILITIES SECTOR INDEX (XAU)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
EMINI SP500-INDUSTRIAL SECTOR INDEX (XAI) vs EMINI SP500- HEALTH CARE SECT INDEX (XAV)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs EMINI SP 500 CONS STAPLES SECTOR IX (XAP)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs E-MINI SP500 CONS DISCRET SECTOR IX (XAY)						
Spread Credit Rate	Increase	+3:-2	45%	45%	70%	70%
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK) vs S&P 400 FUTURES (MD)						
Spread Credit Rate	Increase	+17:-1	55%	55%	70%	70%
Nasdaq-100 Index (ND) vs. S&P 500 Growth Index (SG)						
Spread Credit Rate	Increase	+1:-1	65%	65%	80%	80%
NIKKEI 225 YEN-BASED (N1 - CME) vs NASDAQ-100 (ND - CME)						
Spread Credit Rate	New	+2:-1			30%	30%
Yen-based Nikkei (N1) vs. S&P 500 Stock Index (SP)						
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NATURAL GAS - Inter-commodity Spread Rates						
Spread Credit Rate	New	+1:-1			20%	20%
ANR LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-ND - CME) vs TRUNKLINE, LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NU - CME)						
Spread Credit Rate	New	+1:-1			20%	20%
ANR OK BASIS SWAP (PLATTS IFERC) FUTURES (NY-NE - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
ANR OK BASIS SWAP (PLATTS IFERC) FUTURES (NY-NE - CME) vs MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
ANR OK BASIS SWAP (PLATTS IFERC) FUTURES (NY-NE - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	20%	20%
ANR OK BASIS SWAP (PLATTS IFERC) FUTURES (NY-NE - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	20%	20%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	50%	50%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	20%	20%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	30%	30%
ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	20%	20%
CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	20%	20%
CHICAGO BASIS SWAP (PLATTS IFERC) FUTURES (NY-NB - CME) vs DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
CHICAGO BASIS SWAP (PLATTS IFERC) FUTURES (NY-NB - CME) vs MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
CHICAGO BASIS SWAP (PLATTS IFERC) FUTURES (NY-NB - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
CHICAGO BASIS SWAP (PLATTS IFERC) FUTURES (NY-NB - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
CHICAGO BASIS SWAP (PLATTS IFERC) FUTURES (NY-NB - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	20%	20%
CHICAGO CITY GATE PIPE SWAP (NY-XO - CME) vs NORTHERN ROCKIES PIPE SWAP (NY-XR - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
CHICAGO CITY GATE PIPE SWAP (NY-XO - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	55%	55%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	45%	45%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	45%	45%
CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	60%	60%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	35%	35%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	45%	45%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs SOCAL CITY-GATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-9A - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
CIG ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-CI - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	40%	40%
CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME) vs SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
COLUMBIA GAS TCO (PLATTS IFERC) FIXED PRICE SWAP FUTURES (NY-CFS - CME) vs HENRY HUB NATURAL GAS SWAP FUTURES (NY-NN - CME)						
Spread Credit Rate	Decrease	-1:+1	85%	85%	75%	75%
COLUMBIA GULF LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-GL - CME) vs ANR LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-ND - CME)						
Spread Credit Rate	New	+1:-1			20%	20%
COLUMBIA GULF LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-GL - CME) vs TRUNKLINE, LOUISIANA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NU - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
COLUMBIA GULF MAINLINE BASIS SWAP (PLATTS IFERC) FUTURES (NY-5Z - CME) vs TENNESSEE 800 LEG BASIS SWAP (PLATTS IFERC) FUTURES (NY-6Z - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	20%	20%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	45%	45%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	20%	20%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	20%	20%
DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
DOMINION SWING SWAP (NYM-SH - CME) vs HENRY HUB SWING SWAP (NYM-SN - CME)						
Spread Credit Rate	Increase	-1:+1	35%	35%	45%	45%
DOMINION, SOUTH POINT NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SH - CME) vs SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
DOMINION, SOUTH POINT NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SH - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
DOMINION, SOUTH POINT NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SH - CME) vs WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	30%	30%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP ((NYM-PM - CME) vs PACIFIC GAS & ELECTRIC (PG&E) CITYGATE BASIS SWAP (NYM-PC -						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP ((NYM-PM - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	60%	60%
EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP ((NYM-PM - CME) vs SUMAS BASIS SWAP (PLATTS IFERC) (NYM-NK - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
EL PASO/PERMIAN SWING SWAP (NYM-SL - CME) vs HENRY HUB SWING SWAP (NYM-SN - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
EL PASO/PERMIAN SWING SWAP (NYM-SL - CME) vs HOUSTON SHIP CHANNEL SWING SWAP (NYM-SM - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
EL PASO/PERMIAN SWING SWAP (NYM-SL - CME) vs PANHANDLE SWING SWAP (NYM-SV - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
EL PASO/PERMIAN SWING SWAP (NYM-SL - CME) vs WAHA SWING SWAP (NYM-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
FGT ZONE 3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-FP - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HENRY HUB BASIS SWAP (PLATTS IFERC) FUTURES (NY-HB - CME) vs FLORIDA ZONE 2 BASIS SWAP (PLATTS IFERC) FUTURES (NY-8A - CME)						
Spread Credit Rate	New	+1:-1			85%	85%
HENRY HUB NATURAL GAS SWAP FUTURES (NY-NN - CME) vs PGE CITYGATE PIPE SWAP (NY-XQ - CME)						
Spread Credit Rate	New	+1:-1			80%	80%
HENRY HUB NATURAL GAS SWAP FUTURES (NY-NN - CME) vs SOCAL PIPE SWAP (NY-XN - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	80%	80%
HENRY HUB SWING SWAP (NYM-SN - CME) vs PANHANDLE SWING SWAP (NYM-SV - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
HENRY HUB SWING SWAP (NYM-SN - CME) vs WAHA SWING SWAP (NYM-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME) vs EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP ((NYM-PM - CM						
Spread Credit Rate	Increase	+1:-1	0%	0%	30%	30%
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	New	+1:-1			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	New	+1:-1			20%	20%
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NH - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	20%	20%
HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME) vs CHICAGO CITY GATE PIPE SWAP (NY-XO - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	75%	75%
HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME) vs NORTHERN ROCKIES PIPE SWAP (NY-XR - CME)						
Spread Credit Rate	Decrease	+1:-1	89%	89%	85%	85%
HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME) vs PGE CITYGATE PIPE SWAP (NY-XQ - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	80%	80%
HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME) vs SAN JUAN PIPE SWAP (NY-XX - CME)						
Spread Credit Rate	Decrease	+1:-1	89%	89%	80%	80%
HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	50%	50%
KERN RIVER BASIS SWAP (PLATTS IFERC) FUTURES (NY-NV - CME) vs MALIN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PB - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
KERN RIVER, WYOMING BASIS SWAP (PLATTS IFERC) (NYM-NV - CME) vs CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	30%	30%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs PG&E CITYGATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-PC - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs SOUTHERN STAR TX.-OKLA.-KAN. BASIS SWAP (PLATTS IFERC) FUTURES (NY-8Z - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs CENTERPOINT BASIS (PLATTS IFERC) SWAP (NYM-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	20%	20%	0%	0%
NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	45%	45%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	25%	25%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs PERMIAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PM - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME) vs SOUTHERN STAR TX.-OKLA.-KAN. BASIS SWAP (PLATTS IFERC) FUTURES (NY-8Z - CME)						
Spread Credit Rate	New	+1:-1			25%	25%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	50%	50%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	35%	35%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs DOMINION, SOUTH POINT NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SH - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	45%	45%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs SOCIAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	60%	60%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	55%	55%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	25%	25%
NGPL MID-CON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-PX - CME) vs WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
NGPL STX NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-T5 - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME) vs KERN RIVER, WYOMING BASIS SWAP (PLATTS IFERC) (NYM-NV - CME						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	20%	20%
ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME) vs SOUTHERN STAR TX.-OKLA.-KAN. BASIS SWAP (PLATTS IFERC) FUTURES (NY-8Z - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	20%	20%
ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME) vs TEXAS EASTERN, WLA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8B - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
PACIFIC GAS & ELECTRIC (PG&E) CITYGATE BASIS SWAP (NYM-PC - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR -						
Spread Credit Rate	Decrease	+1:-1	45%	45%	20%	20%
PACIFIC GAS & ELECTRIC (PG&E) CITYGATE BASIS SWAP (NYM-PC - CME) vs WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	35%	35%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs ANR OK BASIS SWAP (PLATTS IFERC) (NYM-NE - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	20%	20%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs CENTERPOINT BASIS (PLATTS IFERC) SWAP (NYM-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	15%	15%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs CHICAGO BASIS SWAP (NGI) (NYM-NB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs MALIN BASIS SWAP (NGI) (NYM-PB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) MID-CON (NYM-NL - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	65%	65%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NATURAL GAS PIPELINE CO. OF AMERICA (NGPL) TEXOK B (NYM-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	25%	25%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NORTHERN NATURAL GAS DEMARCATION BASIS SWAP (PLATT (NYM-PE - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	20%	20%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs ONEOK OKLAHOMA NG BASIS (NYM-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	50%	50%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs PACIFIC GAS & ELECTRIC (PG&E) CITYGATE BASIS SWAP (NYM-PC - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs SOCAL BASIS SWAP (NGI) (NYM-NS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	25%	25%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs SOUTH STAR TEXAS OKLAHOMA KANSAS NG BASIS (NYM-8Z - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	15%	15%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) (NYM-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) (NYM-PH - CME) vs WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PANHANDLE BASIS SWAP (PLATTS IFERC) FUTURES (NY-PH - CME) vs MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NF - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
PANHANDLE BASIS SWAP (PLATTS IFERC) FUTURES (NY-PH - CME) vs SOCAL CITY-GATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-9A - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
PANHANDLE PIPE SWAP (NY-XH - CME) vs CHICAGO CITY GATE PIPE SWAP (NY-XO - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	50%	50%
PANHANDLE PIPE SWAP (NY-XH - CME) vs HENRY HUB NATURAL GAS SWAP FUTURES (NY-NN - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	50%	50%
PANHANDLE PIPE SWAP (NY-XH - CME) vs HOUSTON SHIP CHANNEL PIPE SWAP (NY-XJ - CME)						
Spread Credit Rate	Decrease	+1:-1	89%	89%	70%	70%
PANHANDLE PIPE SWAP (NY-XH - CME) vs NORTHERN ROCKIES PIPE SWAP (NY-XR - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	65%	65%
PANHANDLE PIPE SWAP (NY-XH - CME) vs PGE CITYGATE PIPE SWAP (NY-XQ - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	50%	50%
PANHANDLE PIPE SWAP (NY-XH - CME) vs SOCAL PIPE SWAP (NY-XN - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	65%	65%
PANHANDLE PIPE SWAP (NY-XH - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	84%	84%	50%	50%
PANHANDLE SWING SWAP (NYM-SV - CME) vs WAHA SWING SWAP (NYM-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
PERMIAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PM - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
PERMIAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PM - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
PG&E CITYGATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-PC - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	25%	25%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
PGE CITYGATE PIPE SWAP (NY-XQ - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	40%	40%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	20%	20%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs DEMARC BASIS SWAP (PLATTS IFERC) FUTURES (NY-PE - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	25%	25%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	15%	15%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-NX - CME)						
Spread Credit Rate	New	+1:-1			15%	15%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (NY-NR - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	25%	25%
SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	25%	25%
SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
SAN JUAN BASIS SWAP (PLATTS IFERC) FUTURES (NY-NJ - CME) vs VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs TRANSCO, ZONE 6 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-ST - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME) vs WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SAN JUAN PIPE SWAP (NY-XX - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
SOCAL BASIS SWAP (NGI) (NYM-NS - CME) vs EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NS - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NS - CME) vs MALIN BASIS SWAP (PLATTS IFERC) FUTURES (NY-PB - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NS - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NS - CME) vs SOCAL CITY-GATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-9A - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs ANR OK NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SQ - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs CHICAGO NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs PG&E CITYGATE NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SK - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs SAN JUAN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SJ - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
SOCAL NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SF - CME) vs WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
SOCAL PIPE SWAP (NY-XN - CME) vs CHICAGO CITY GATE PIPE SWAP (NY-XO - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
SOCAL PIPE SWAP (NY-XN - CME) vs PGE CITYGATE PIPE SWAP (NY-XQ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	75%	75%
SOCAL PIPE SWAP (NY-XN - CME) vs TRANSCO ZONE 6 PIPE SWAP (NY-XZ - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	55%	55%
SONAT BASIS SWAP (PLATTS IFERC) FUTURES (NY-SZ - CME) vs TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
SUMAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-NK - CME) vs NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (NY-NL - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
SUMAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-NK - CME) vs SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (NY-NS - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
TENNESSEE 500 LEG BASIS SWAP (PLATTS IFERC) FUTURES (NY-NM - CME) vs TEXAS EASTERN, WLA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8B - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
TENNESSEE ZONE 0 BASIS SWAP (PLATTS IFERC) FUTURES (NY-NQ - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	0%	0%
TENNESSEE ZONE 0 BASIS SWAP (PLATTS IFERC) FUTURES (NY-NQ - CME) vs SOUTHERN STAR TX.-OKLA.-KAN. BASIS SWAP (PLATTS IFERC) FUTURES (NY-8Z - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
TETCO SOUTH TEXAS BASIS SWAP (PLATTS IFERC) (NYM-TX - CME) vs HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) (NYM-NH - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	35%	35%
TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME) vs SOUTHERN STAR TX.-OKLA.-KAN. BASIS SWAP (PLATTS IFERC) FUTURES (NY-8Z - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME) vs TEXAS GAS ZONE 1 BASIS SWAP (PLATTS IFERC) FUTURES (NY-9F - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
TEXAS GAS ZONE 1 BASIS SWAP (PLATTS IFERC) FUTURES (NY-9F - CME) vs TRANSCO ZONE 1 BASIS SWAP (PLATTS IFERC) FUTURES (NY-8E - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
TEXAS GAS, ZONE SL BASIS SWAP (PLATTS IFERC) FUTURES (NY-TB - CME) vs TEXAS GAS ZONE 1 BASIS SWAP (PLATTS IFERC) FUTURES (NY-9F - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
TRANSCO ZONE 3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-CZ - CME) vs SOCAL CITY-GATE BASIS SWAP (PLATTS IFERC) FUTURES (NY-9A - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
TRANSCO ZONE 3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-CZ - CME) vs SONAT BASIS SWAP (PLATTS IFERC) FUTURES (NY-SZ - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
TRANSCO ZONE 3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-CZ - CME) vs TETCO STX BASIS SWAP (PLATTS IFERC) FUTURES (NY-TX - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
TRANSCO ZONE 3 BASIS SWAP (PLATTS IFERC) FUTURES (NY-CZ - CME) vs TRANSCO ZONE 6 NATURAL GAS (PLATTS IFERC) FIXED PRICE FUTURES (NY-XZ - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	0%	0%
VENTURA BASIS SWAP (PLATTS IFERC) FUTURES (NY-PF - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs CIG ROCKY MOUNTAIN BASIS SWAP (PLATTS IFERC) (NYM-CI - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs EL PASO NATURAL GAS CO. PERMIAN BASIN BASIS SWAP (NYM-PM - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	65%	65%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs NORTHWEST PIPELINE, ROCKIES BASIS SWAP (PLATTS IFE (NYM-NR - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	20%	20%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs SAN JUAN BASIS SWAP (PLATTS IFERC) (NYM-NJ - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
WAHA BASIS SWAP (PLATTS IFERC) (NYM-NW - CME) vs SOCAL BASIS SWAP (NGI) (NYM-NS - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
WAHA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NW - CME) vs CENTERPOINT NATURAL GAS BASIS SWAP (PLATTS IFERC) FUTURES (NY-PW - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	45%	45%
WAHA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NW - CME) vs NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (NY-PD - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
WAHA BASIS SWAP (PLATTS IFERC) FUTURES (NY-NW - CME) vs ONEOK, OKLAHOMA BASIS SWAP (PLATTS IFERC) FUTURES (NY-8X - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs CIG ROCKIES NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-U8 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs DEMARC NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-DT - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	35%	35%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs MALIN NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W9 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs MICHCON NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T8 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs ONEOK ,OKLAHOMA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-M3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs SUMAS NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-SU - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs TCO NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-A1 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs TENNESSEE 500 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T7 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs TENNESSEE ZONE 0 NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-T4 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs TENNESSEE, 800 LEG NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-W5 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	0%	0%
WAHA NATURAL GAS SWING (PLATTS GAS DAILY) FUTURES (NY-SY - CME) vs VENTURA NATURAL GAS SWING SWAP (PLATTS GAS DAILY) FUTURES (NY-VS - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
REFINED PRODUCTS - Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME)						
Spread Credit Rate	Increase	+15:-2	60%	60%	75%	75%