



13-082

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Friday, February 15, 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

Tuesday, February 19, 2013.

Current rates as of:

Friday, February 15, 2013.

In this current advisory there are changes to the Short Option Minimum and/or the Volatility Scan Range. Below are descriptions of what each change affects:

The Short Option Minimum (SOM) is a charge that is applied only to portfolios concentrated in short options that do not generate a minimum margin requirement level when margins are calculated using the normal 16 SPAN scenarios. The SOM charge per short calls or short puts is a percentage of the outright margin on one underlying futures contract.

The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ELECTRICITY - Outright Rates								
NYISO G OFF-PEAK (KH)								
KH	Spec	Mnth 1	Increase	USD	6,600	6,000	7,700	7,000
KH	Hedge/Member	Mnth 1	Increase	USD	6,000	6,000	7,000	7,000
NYISO ZONE G 5MW D AH O PK (D2)								
D2	Spec	Mnths 3-11	Increase	USD	11	10	17	15
D2	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15
NYISO ZONE J 5MW D AH O PK (D4)								
D4	Spec	Mnths 3-11	Increase	USD	11	10	17	15
D4	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15
PJM NILL DA OFF-PEAK (L3)								
L3	Spec	Mnth 2	Decrease	USD	17	15	11	10
L3	Hedge/Member	Mnth 2	Decrease	USD	15	15	10	10
L3	Spec	Mnths 3-11	Decrease	USD	17	15	11	10
L3	Hedge/Member	Mnths 3-11	Decrease	USD	15	15	10	10
PETROLEUM CRACKS AND SPREADS - Outright Rates								
RBOB CRACK SPREAD (RM)								
RM	Spec	Mnth 1	Increase	USD	2,970	2,700	3,300	3,000
RM	Hedge/Member	Mnth 1	Increase	USD	2,700	2,700	3,000	3,000
RBOB GAS VS. BRENT CRCK SPRD FUT (RBB)								
RBB	Spec	Mnths 1-2	Increase	USD	2,200	2,000	2,420	2,200
RBB	Hedge/Member	Mnths 1-2	Increase	USD	2,000	2,000	2,200	2,200
RBB	Spec	Mnths 3-4	Increase	USD	1,320	1,200	1,540	1,400
RBB	Hedge/Member	Mnths 3-4	Increase	USD	1,200	1,200	1,400	1,400
RBB	Spec	Mnths 5+	Increase	USD	715	650	935	850
RBB	Hedge/Member	Mnths 5+	Increase	USD	650	650	850	850
USGC UNL 87 CRACK SPREAD CAL FUT (RU)								
RU	Spec	Mths 3+	Increase	USD	1,870	1,700	2,750	2,500
RU	Hedge/Member	Mths 3+	Increase	USD	1,700	1,700	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
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[Intra Spreads](#)

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NATURAL GAS - Intra Spreads								
Algonquin City-gates Natural Gas Basis Swap - All Months (ALGONQUIN CITYGATES BASIS)								
B4	Spec		Increase	USD	550	500	1,100	1,000
B4	Hedge/Member		Increase	USD	500	500	1,000	1,000
CIG Rocky Mountain Basis Swap (Platts IFERC) - All Months (CIG BASIS)								
CI	Spec		Increase	USD	165	150	220	200
CI	Hedge/Member		Increase	USD	150	150	200	200
Columbia Gas Transmission Corp. Appalachia (TCO) B - All Months (TCO BASIS FUT)								
TC	Spec		Increase	USD	165	150	220	200
TC	Hedge/Member		Increase	USD	150	150	200	200
Dominion Basis Swap - All Months (DOMINION BASIS FUT (PLATTS IFERC))								
PG	Spec		Increase	USD	165	150	220	200
PG	Hedge/Member		Increase	USD	150	150	200	200
El Paso Natural Gas Co. Permian Basin Basis Swap - All Months (PERMIAN BASIS FUT)								
PM	Spec		Increase	USD	138	125	220	200
PM	Hedge/Member		Increase	USD	125	125	200	200
Florida Gas Zone 3 Basis Swap - All Months (FLORIDA GAS ZONE3 BASIS FUT)								
FP	Spec		Increase	USD	110	100	220	200
FP	Hedge/Member		Increase	USD	100	100	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 1-3 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	83	75	55	50
NNT	Hedge/Member		Decrease	USD	75	75	50	50
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 1-3 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	83	75	55	50
NN	Hedge/Member		Decrease	USD	75	75	50	50
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 1-3 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	330	300	220	200
HH	Hedge/Member		Decrease	USD	300	300	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 2-4 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	55	50	28	25
NNT	Hedge/Member		Decrease	USD	50	50	25	25
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 2-4 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	55	50	28	25
NN	Hedge/Member		Decrease	USD	50	50	25	25

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (HH, NG, NN, HP) - 1 Month Butterfly Month 2-4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	220	200	110	100
HH	Hedge/Member		Decrease	USD	200	200	100	100
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	206	188	151	138
NNT	Hedge/Member		Decrease	USD	188	188	138	138
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	206	188	151	138
NN	Hedge/Member		Decrease	USD	188	188	138	138
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	825	750	605	550
HH	Hedge/Member		Decrease	USD	750	750	550	550
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	193	175
NNT	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	193	175
NN	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 5 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	770	700
HH	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 6 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	193	175	165	150
NNT	Hedge/Member		Decrease	USD	175	175	150	150
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 6 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	193	175	165	150
NN	Hedge/Member		Decrease	USD	175	175	150	150
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 6 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	770	700	660	600
HH	Hedge/Member		Decrease	USD	700	700	600	600
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 7 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	261	238	206	188
NNT	Hedge/Member		Decrease	USD	238	238	188	188

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 7 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	261	238	206	188
NN	Hedge/Member		Decrease	USD	238	238	188	188
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 7 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	1,045	950	825	750
HH	Hedge/Member		Decrease	USD	950	950	750	750
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 8 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	275	250	220	200
NNT	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 8 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	275	250	220	200
NN	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 1 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	1,100	1,000	880	800
HH	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	193	175	138	125
NNT	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	193	175	138	125
NN	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	770	700	550	500
HH	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	193	175
NNT	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	193	175
NN	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 5 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	770	700
HH	Hedge/Member		Decrease	USD	900	900	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	220	200	165	150
NNT	Hedge/Member		Decrease	USD	200	200	150	150
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	220	200	165	150
NN	Hedge/Member		Decrease	USD	200	200	150	150
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 6 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	880	800	660	600
HH	Hedge/Member		Decrease	USD	800	800	600	600
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	193	175
NNT	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	193	175
NN	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 7 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	770	700
HH	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	220	200
NNT	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	220	200
NN	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 2 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	880	800
HH	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	193	175	138	125
NNT	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	193	175	138	125
NN	Hedge/Member		Decrease	USD	175	175	125	125

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	770	700	550	500
HH	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 5 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	220	200
NNT	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 5 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	220	200
NN	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 5 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	880	800
HH	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 6 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	193	175
NNT	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 6 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	193	175
NN	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 6 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	770	700
HH	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 7 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	275	250	248	225
NNT	Hedge/Member		Decrease	USD	250	250	225	225
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 7 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	275	250	248	225
NN	Hedge/Member		Decrease	USD	250	250	225	225
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 3 vs. Tier 7 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	1,100	1,000	990	900
HH	Hedge/Member		Decrease	USD	1,000	1,000	900	900
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	248	225	206	188
NNT	Hedge/Member		Decrease	USD	225	225	188	188

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	248	225	206	188
NN	Hedge/Member		Decrease	USD	225	225	188	188
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 6 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	990	900	825	750
HH	Hedge/Member		Decrease	USD	900	900	750	750
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB FUT TRADE AT SETTLEMENT)								
NNT	Spec		Decrease	USD	206	188	179	163
NNT	Hedge/Member		Decrease	USD	188	188	163	163
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB FUT)								
NN	Spec		Decrease	USD	206	188	179	163
NN	Hedge/Member		Decrease	USD	188	188	163	163
Henry Hub Natural Gas (HH, NG, NN, HP) - Tier 7 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)								
HH	Spec		Decrease	USD	825	750	715	650
HH	Hedge/Member		Decrease	USD	750	750	650	650
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 1-3 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	83	75	55	50
MNG	Hedge/Member		Decrease	USD	75	75	50	50
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 1-3 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	330	300	220	200
NG	Hedge/Member		Decrease	USD	300	300	200	200
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 1-3 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	330	300	220	200
NGT	Hedge/Member		Decrease	USD	300	300	200	200
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 2-4 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	55	50	28	25
MNG	Hedge/Member		Decrease	USD	50	50	25	25
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 2-4 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	220	200	110	100
NG	Hedge/Member		Decrease	USD	200	200	100	100
Henry Hub Natural Gas (NG) - 1 Month Butterfly Month 2-4 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	220	200	110	100
NGT	Hedge/Member		Decrease	USD	200	200	100	100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	206	188	151	138
QG	Hedge/Member		Decrease	USD	188	188	138	138
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	206	188	151	138
MNG	Hedge/Member		Decrease	USD	188	188	138	138
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	206	188	151	138
NP	Hedge/Member		Decrease	USD	188	188	138	138
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	825	750	605	550
NG	Hedge/Member		Decrease	USD	750	750	550	550
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	825	750	605	550
NGT	Hedge/Member		Decrease	USD	750	750	550	550
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	825	750	605	550
HP	Hedge/Member		Decrease	USD	750	750	550	550
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	193	175
QG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	193	175
MNG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	193	175
NP	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	770	700
NG	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	770	700
NGT	Hedge/Member		Decrease	USD	900	900	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	770	700
HP	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	193	175	165	150
QG	Hedge/Member		Decrease	USD	175	175	150	150
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	193	175	165	150
MNG	Hedge/Member		Decrease	USD	175	175	150	150
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	193	175	165	150
NP	Hedge/Member		Decrease	USD	175	175	150	150
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	770	700	660	600
NG	Hedge/Member		Decrease	USD	700	700	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	770	700	660	600
NGT	Hedge/Member		Decrease	USD	700	700	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 6 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	770	700	660	600
HP	Hedge/Member		Decrease	USD	700	700	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	261	238	206	188
QG	Hedge/Member		Decrease	USD	238	238	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	261	238	206	188
MNG	Hedge/Member		Decrease	USD	238	238	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	261	238	206	188
NP	Hedge/Member		Decrease	USD	238	238	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	1,045	950	825	750
NG	Hedge/Member		Decrease	USD	950	950	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	1,045	950	825	750
NGT	Hedge/Member		Decrease	USD	950	950	750	750
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 7 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	1,045	950	825	750
HP	Hedge/Member		Decrease	USD	950	950	750	750
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	275	250	220	200
QG	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	275	250	220	200
MNG	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	275	250	220	200
NP	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	1,100	1,000	880	800
NG	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	1,100	1,000	880	800
NGT	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	1,100	1,000	880	800
HP	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	193	175	138	125
QG	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	193	175	138	125
MNG	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	193	175	138	125
NP	Hedge/Member		Decrease	USD	175	175	125	125

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	770	700	550	500
NG	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	770	700	550	500
NGT	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	770	700	550	500
HP	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	193	175
QG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	193	175
MNG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	193	175
NP	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	770	700
NG	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	770	700
NGT	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	770	700
HP	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	220	200	165	150
QG	Hedge/Member		Decrease	USD	200	200	150	150
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	220	200	165	150
MNG	Hedge/Member		Decrease	USD	200	200	150	150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	220	200	165	150
NP	Hedge/Member		Decrease	USD	200	200	150	150
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	880	800	660	600
NG	Hedge/Member		Decrease	USD	800	800	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	880	800	660	600
NGT	Hedge/Member		Decrease	USD	800	800	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	880	800	660	600
HP	Hedge/Member		Decrease	USD	800	800	600	600
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	193	175
QG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	193	175
MNG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	193	175
NP	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	770	700
NG	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	770	700
NGT	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	770	700
HP	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	220	200
QG	Hedge/Member		Decrease	USD	225	225	200	200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	220	200
MNG	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	220	200
NP	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	880	800
NG	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	880	800
NGT	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	880	800
HP	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	193	175	138	125
QG	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	193	175	138	125
MNG	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	193	175	138	125
NP	Hedge/Member		Decrease	USD	175	175	125	125
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	770	700	550	500
NG	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	770	700	550	500
NGT	Hedge/Member		Decrease	USD	700	700	500	500
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	770	700	550	500
HP	Hedge/Member		Decrease	USD	700	700	500	500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	220	200
QG	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	220	200
MNG	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	220	200
NP	Hedge/Member		Decrease	USD	225	225	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	880	800
NG	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	880	800
NGT	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 5 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	880	800
HP	Hedge/Member		Decrease	USD	900	900	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	193	175
QG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	193	175
MNG	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	193	175
NP	Hedge/Member		Decrease	USD	225	225	175	175
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	770	700
NG	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	770	700
NGT	Hedge/Member		Decrease	USD	900	900	700	700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 6 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	770	700
HP	Hedge/Member		Decrease	USD	900	900	700	700
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	275	250	220	200
QG	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	275	250	220	200
MNG	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	275	250	220	200
NP	Hedge/Member		Decrease	USD	250	250	200	200
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	1,100	1,000	880	800
NG	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	1,100	1,000	880	800
NGT	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 7 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	1,100	1,000	880	800
HP	Hedge/Member		Decrease	USD	1,000	1,000	800	800
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	275	250	248	225
QG	Hedge/Member		Decrease	USD	250	250	225	225
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	275	250	248	225
MNG	Hedge/Member		Decrease	USD	250	250	225	225
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	275	250	248	225
NP	Hedge/Member		Decrease	USD	250	250	225	225
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	1,100	1,000	990	900
NG	Hedge/Member		Decrease	USD	1,000	1,000	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	1,100	1,000	990	900
NGT	Hedge/Member		Decrease	USD	1,000	1,000	900	900
Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	1,100	1,000	990	900
HP	Hedge/Member		Decrease	USD	1,000	1,000	900	900
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	248	225	206	188
QG	Hedge/Member		Decrease	USD	225	225	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	248	225	206	188
MNG	Hedge/Member		Decrease	USD	225	225	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	248	225	206	188
NP	Hedge/Member		Decrease	USD	225	225	188	188
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	990	900	825	750
NG	Hedge/Member		Decrease	USD	900	900	750	750
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	990	900	825	750
NGT	Hedge/Member		Decrease	USD	900	900	750	750
Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	990	900	825	750
HP	Hedge/Member		Decrease	USD	900	900	750	750
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	206	188	179	163
QG	Hedge/Member		Decrease	USD	188	188	163	163
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB NAT GAS LAST DAY DELV)								
MNG	Spec		Decrease	USD	206	188	179	163
MNG	Hedge/Member		Decrease	USD	188	188	163	163
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	206	188	179	163
NP	Hedge/Member		Decrease	USD	188	188	163	163

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)								
NG	Spec		Decrease	USD	825	750	715	650
NG	Hedge/Member		Decrease	USD	750	750	650	650
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NATURAL GAS TRADE AT SETTLEMENT)								
NGT	Spec		Decrease	USD	825	750	715	650
NGT	Hedge/Member		Decrease	USD	750	750	650	650
Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	825	750	715	650
HP	Hedge/Member		Decrease	USD	750	750	650	650
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 1-3 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	83	75	55	50
QG	Hedge/Member		Decrease	USD	75	75	50	50
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 1-3 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	83	75	55	50
NP	Hedge/Member		Decrease	USD	75	75	50	50
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 1-3 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	330	300	220	200
HP	Hedge/Member		Decrease	USD	300	300	200	200
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 2-4 (E-MINI NATURAL GAS FUTURES)								
QG	Spec		Decrease	USD	55	50	28	25
QG	Hedge/Member		Decrease	USD	50	50	25	25
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 2-4 (HENRY HUB PENULTIMATE)								
NP	Spec		Decrease	USD	55	50	28	25
NP	Hedge/Member		Decrease	USD	50	50	25	25
Henry Hub Natural Gas Penultimate Financial Futures (HP) - 1 Month Butterfly Month 2-4 (NYMEX NATURAL GAS FUTURES)								
HP	Spec		Decrease	USD	220	200	110	100
HP	Hedge/Member		Decrease	USD	200	200	100	100
Houston Ship Channel Basis Swap (Platts IFERC) - All Months (HOUSTON SHIP CHANNEL BASIS FUT)								
NH	Spec		Decrease	USD	83	75	55	50
NH	Hedge/Member		Decrease	USD	75	75	50	50

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
LNG East Asia Index (ICIS Heren) Swap Future - All Months (LNG EAST ASIA INDEX FUT)								
LAI	Spec		Decrease	USD	8,250	7,500	5,500	5,000
LAI	Hedge/Member		Decrease	USD	7,500	7,500	5,000	5,000
NGPL Tex/OK Natural Gas Basis Swap - All Months (NATURAL GAS PIPELINE TEXOK BASIS FUT)								
PD	Spec		Decrease	USD	83	75	55	50
PD	Hedge/Member		Decrease	USD	75	75	50	50
SoCal Basis Swap (NGI) - All Months (SOCAL BASIS FUT)								
NS	Spec		Increase	USD	110	100	165	150
NS	Hedge/Member		Increase	USD	100	100	150	150
SOCAL PIPE SWAP - All Months (SOCAL PIPE FUT)								
XN	Spec		Increase	USD	495	450	715	650
XN	Hedge/Member		Increase	USD	450	450	650	650
SOUTH STAR TEXAS OKLAHOMA KANSAS NG BASIS - All Months (SOUTH STAR TEX OKLHM KNS NG B)								
8Z	Spec		Increase	USD	110	100	220	200
8Z	Hedge/Member		Increase	USD	100	100	200	200
TENNESSEE 800 LEG NG BASIS - All Months (TENNESSEE 800 LEG NG BASIS)								
6Z	Spec		Decrease	USD	110	100	55	50
6Z	Hedge/Member		Decrease	USD	100	100	50	50
TETCO STX BASIS (TX) - All Months (TETCO STX BASIS)								
TX	Spec		Increase	USD	55	50	83	75
TX	Hedge/Member		Increase	USD	50	50	75	75
Texas Eastern Zone M-3 Basis Swap - All Months (TEXAS EASTERN ZONE M-3 BASIS FUT)								
NX	Spec		Increase	USD	330	300	440	400
NX	Hedge/Member		Increase	USD	300	300	400	400
Transco Zone 3 Basis Swap - All Months (TRANSCO ZONE 3 BASIS)								
CZ	Spec		Decrease	USD	83	75	55	50
CZ	Hedge/Member		Decrease	USD	75	75	50	50
Transco Zone 6 Basis Swap - All Months (TRANSCO ZONE 6 BASIS FUT)								
NZ	Spec		Increase	USD	330	300	660	600
NZ	Hedge/Member		Increase	USD	300	300	600	600
Transcontinental Gas Pipeline Co. (Transco) Zone 4 Basis Swap Futures (Platts IFERC) - All Months (TRANSCO ZONE4 BASIS FUT)								
TR	Spec		Decrease	USD	110	100	83	75
TR	Hedge/Member		Decrease	USD	100	100	75	75

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

Waha Basis Swap - All Months (WAHA TEXAS BASIS FUT)

NW	Spec		Increase	USD	110	100	165	150
NW	Hedge/Member		Increase	USD	100	100	150	150

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
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Inter-commodity Spread Rates

INTEREST RATES - Inter-commodity Spread Rates

30Y INTEREST RATE SWAP (I3) vs LONG TERM U.S. TREASURY BOND (UBE)

Spread Credit Rate	Decrease	+1:-1	70%	70%	55%	55%
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EURIBOR FUTURES (EB - CME) vs 10YR INTEREST RATE SWAP (66 - CME)

Spread Credit Rate	New	+7:-2			55%	55%
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EURIBOR FUTURES (EB - CME) vs 5-YR INTEREST RATE SWAP (NG - CME)

Spread Credit Rate	New	+2:-1			60%	60%
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EURODOLLAR (ED - CME) vs 10YR INTEREST RATE SWAP (66 - CME)

Spread Credit Rate	New	+7:-2			60%	60%
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EURODOLLAR (ED - CME) vs 5-YR INTEREST RATE SWAP (NG - CME)

Spread Credit Rate	New	+2:-1			70%	70%
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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
CRUDE OIL SPREADS - Volatility Scan (volScan) Rate						
WTI-BRENT (ICE) BULLET SWAP FUTURES (BV, BY) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.08		25.00%
Clearing Member Rate	Mnths 2-4	Increase		0.08		25.00%
Clearing Member Rate	Mnths 5+	Increase		0.08		25.00%
WTI-BRENT (ICE) CALENDAR SWAP FUTURES (BK) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.05		25.00%
Clearing Member Rate	Mnth 2-4	Increase		0.05		25.00%
Clearing Member Rate	Mnth 5+	Increase		0.05		25.00%
NATURAL GAS - Volatility Scan (volScan) Rate						
COLUMBIA GAS TCO BASIS SWAP (PLATTS IFERC) FUTURES (5D, TC) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.07		25.00%
Clearing Member Rate	Mnths 2+	Increase		0.07		25.00%
HENRY HUB BASIS SWAP (PLATTS IFERC) FUTURES (5E, HB) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.07		25.00%
Clearing Member Rate	Mnth 2+	Increase		0.07		25.00%
HENRY HUB NATURAL GAS FUTURES (HHQ, KD, LN, MNG, NG, NGT, ON, U01, U02, U03, U04, U05, U06, U07, U08, U09, U10, U11, U12, U13, U14, U15, U16, U17, U18, U19, U20, U21, U22, U23, U24, U25, U26, U27, U28, U29, U30, U31) - volScan						
Clearing Member Rate	Mth 1	Decrease		0.12		0.10
Clearing Member Rate	Mth 2	Decrease		0.06		0.05
Clearing Member Rate	Summer 2013	Decrease		0.04		0.03
Clearing Member Rate	Winter 2014	Decrease		0.03		0.03
Clearing Member Rate	Nov 2015 - Oct 2016	Decrease		0.02		0.02
Clearing Member Rate	Nov 2016 - Oct 2017	Decrease		0.02		0.02
Clearing Member Rate	Nov 2017+	Decrease		0.02		0.02
HENRY HUB NATURAL GAS PENULTIMATE FINANCIAL FUTURES (E7, HH, HP, NP, QG) - volScan						
Clearing Member Rate	Mth 2	Decrease		0.06		0.05
Clearing Member Rate	Mth 1	Decrease		0.12		0.10
Clearing Member Rate	Winter 2014	Decrease		0.03		0.03
Clearing Member Rate	Nov 2015 - Oct 2016	Decrease		0.02		0.02
Clearing Member Rate	Nov 2016 - Oct 2017	Decrease		0.02		0.02
Clearing Member Rate	Nov 2017+	Decrease		0.02		0.02
Clearing Member Rate	Summer 2013	Decrease		0.04		0.03
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (5F, NH) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.07		25.00%
Clearing Member Rate	Mnth 2	Increase		0.07		25.00%
Clearing Member Rate	Mnths 3-6	Increase		0.07		25.00%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnths 7-12	Increase		0.07		25.00%
Clearing Member Rate	Mnths 13+	Increase		0.07		25.00%
MICHCON BASIS SWAP (PLATTS IFERC) FUTURES (4W, NF) - volScan						
Clearing Member Rate	Mths 1-2	Increase		0.07		25.00%
Clearing Member Rate	Mths 3-5	Increase		0.07		25.00%
Clearing Member Rate	Mths 6+	Increase		0.07		25.00%
NAT GAS 2 MONTH CALENDAR SPREAD (DJ, IB) - volScan						
Clearing Member Rate		Increase		0.03		25.00%
NATIONAL BALANCING POINT (NBP) HENRY HUB BASIS SWAP FUTURES (E2, V1) - volScan						
Clearing Member Rate		Increase		0.07		25.00%
NGPL MID-CON BASIS SWAP (PLATTS IFERC) FUTURES (5G, NL) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.07		25.00%
Clearing Member Rate	Mnth 2	Increase		0.07		25.00%
Clearing Member Rate	Mnths 3-6	Increase		0.07		25.00%
Clearing Member Rate	Mnths 7-12	Increase		0.07		25.00%
Clearing Member Rate	Mnths 13+	Increase		0.07		25.00%
NYMEX NATURAL GAS (H.HUB LTD) FUT (E7, HH, NN, NNT) - volScan						
Clearing Member Rate	Mth 1	Decrease		0.12		0.10
Clearing Member Rate	Mth 2	Decrease		0.06		0.05
Clearing Member Rate	Summer 2013	Decrease		0.04		0.03
Clearing Member Rate	Winter 2014	Decrease		0.03		0.03
Clearing Member Rate	Nov 2015 - Oct 2016	Decrease		0.02		0.02
Clearing Member Rate	Nov 2016 - Oct 2017	Decrease		0.02		0.02
Clearing Member Rate	Nov 2017+	Decrease		0.02		0.02
PANHANDLE BASIS SWAP (PLATTS IFERC) FUTURES (5K, PH) - volScan						
Clearing Member Rate	Day 1-38	Increase		0.12		25.00%
Clearing Member Rate	Mnth 2	Increase		0.07		25.00%
Clearing Member Rate	Mnth 3-6	Increase		0.07		25.00%
Clearing Member Rate	Mnth 7-12	Increase		0.04		25.00%
Clearing Member Rate	Mnth 13+	Increase		0.04		25.00%
ROCKIES BASIS SWAP (PLATTS IFERC) FUTURES (5I, NR) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.07		25.00%
Clearing Member Rate	Mnths 2-6	Increase		0.07		25.00%
Clearing Member Rate	Mnth 7-9	Increase		0.07		25.00%
Clearing Member Rate	Mnth 10-16	Increase		0.07		25.00%
Clearing Member Rate	Mnth 17+	Increase		0.07		25.00%
SOCAL BASIS SWAP (PLATTS IFERC) FUTURES (5M, NS) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.15		25.00%
Clearing Member Rate	Mnth 2	Increase		0.10		25.00%
Clearing Member Rate	Mnth 3-6	Increase		0.08		25.00%
Clearing Member Rate	Mnth 7-12	Increase		0.06		25.00%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
Clearing Member Rate	Mnth 13+	Increase		0.04		25.00%
TEXAS EASTERN ZONE M-3 BASIS SWAP (PLATTS IFERC) FUTURES (5N, NX) - volScan						
Clearing Member Rate	Mth 1	Increase		0.07		25.00%
Clearing Member Rate	Mth 2	Increase		0.07		25.00%
Clearing Member Rate	Summer 2013	Increase		0.07		25.00%
Clearing Member Rate	Winter 2014	Increase		0.07		25.00%
Clearing Member Rate	Apr 2014+	Increase		0.07		25.00%
WAHA BASIS SWAP (PLATTS IFERC) FUTURES (5O, NW) - volScan						
Clearing Member Rate	Mths 1	Increase		0.07		25.00%
Clearing Member Rate	Mths 2	Increase		0.07		25.00%
Clearing Member Rate	Mths 3-6	Increase		0.07		25.00%
Clearing Member Rate	Mths 7-12	Increase		0.07		25.00%
Clearing Member Rate	Mths 13+	Increase		0.07		25.00%
PETROLEUM CRACKS AND SPREADS - Volatility Scan (volScan) Rate						
EUROPEAN GASOIL CRACK SPREAD SWAP FUTURES (3U, GOC, GZ) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.08		25.00%
Clearing Member Rate	Mnths 2-6	Increase		0.05		25.00%
Clearing Member Rate	Mnths 7+	Increase		0.05		25.00%
HEATING OIL CRACK SPREAD SWAP FUTURES (3W, HK) - volScan						
Clearing Member Rate	Mth 1	Increase		0.07		25.00%
Clearing Member Rate	Mths 2 - 3	Increase		0.07		25.00%
Clearing Member Rate	Mths 4+	Increase		0.07		25.00%
RBOB CRACK SPREAD (RX, ZX) - volScan						
Clearing Member Rate		Increase		0.03		25.00%
RBOB GASOLINE CRACK SPREAD SWAP FUTURES (3Y, RM) - volScan						
Clearing Member Rate	Mnth 1	Increase		10.00		25.00%
Clearing Member Rate	Mnths 2-4	Increase		10.00		25.00%
Clearing Member Rate	Mnths 5-11	Increase		10.00		25.00%
Clearing Member Rate	Mnths 12+	Increase		10.00		25.00%
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
HEATING/CRUDE SPREAD COMBO (CH, HC) - volScan						
Clearing Member Rate		Decrease		0.70		25.00%