



10-366

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements:

DATE: Friday, August 20, 2010

***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

**Monday, August 23, 2010.**

Current rates as of:

**Friday, August 20, 2010.**

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Outright Rates</b>								
<b>NYMEX NATURAL GAS PRODUCTS - Outright Rates</b>								
<b>E-MINI NATURAL GAS FUTURES (QG)</b>								
QG	Spec	Tier 9	Increase	USD	675	500	928	688
QG	Hedge/Member	Tier 9	Increase	USD	500	500	688	688
<b>HENRY HUB PENULTIMATE (NP)</b>								
NP	Spec	Tier 9	Increase	USD	675	500	928	688
NP	Hedge/Member	Tier 9	Increase	USD	500	500	688	688
<b>HENRY HUB SWAP (NN)</b>								
NN	Spec	Tier 9	Increase	USD	675	500	928	688
NN	Hedge/Member	Tier 9	Increase	USD	500	500	688	688
<b>NATURAL GAS HENRY HUB FUTURE (NG, NN, HP)</b>								
NG	Spec	Tier 9	Increase	USD	2,700	2,000	3,713	2,750
NG	Hedge/Member	Tier 9	Increase	USD	2,000	2,000	2,750	2,750
<b>NYMEX NATURAL GAS (H.HUB LTD) FUT (HH)</b>								
HH	Spec	Tier 9	Increase	USD	2,700	2,000	3,713	2,750
HH	Hedge/Member	Tier 9	Increase	USD	2,000	2,000	2,750	2,750
<b>NYMEX NATURAL GAS FUTURES (HP)</b>								
HP	Spec	Tier 9	Increase	USD	2,700	2,000	3,713	2,750
HP	Hedge/Member	Tier 9	Increase	USD	2,000	2,000	2,750	2,750

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>NYMEX NATURAL GAS PRODUCTS - Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	338	250
QG	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	338	250
NP	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	338	250
NN	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,350	1,000
NG	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,350	1,000
HH	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,350	1,000
HP	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	338	250
QG	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	338	250
NP	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	338	250
NN	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,350	1,000
NG	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,350	1,000
HH	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 5 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,350	1,000
HP	Hedge/Member		Increase	USD	750	750	1,000	1,000

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	338	250	675	500
QG	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	338	250	675	500
NP	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	338	250	675	500
NN	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,350	1,000	2,700	2,000
NG	Hedge/Member		Increase	USD	1,000	1,000	2,000	2,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,350	1,000	2,700	2,000
HH	Hedge/Member		Increase	USD	1,000	1,000	2,000	2,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 1 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,350	1,000	2,700	2,000
HP	Hedge/Member		Increase	USD	1,000	1,000	2,000	2,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	422	313
QG	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	422	313
NP	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	422	313
NN	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,688	1,250
NG	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,688	1,250
HH	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 3 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,688	1,250
HP	Hedge/Member		Increase	USD	750	750	1,250	1,250

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	169	125	338	250
QG	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	169	125	338	250
NP	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	169	125	338	250
NN	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	675	500	1,350	1,000
NG	Hedge/Member		Increase	USD	500	500	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	675	500	1,350	1,000
HH	Hedge/Member		Increase	USD	500	500	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	675	500	1,350	1,000
HP	Hedge/Member		Increase	USD	500	500	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	422	313
QG	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	422	313
NP	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	422	313
NN	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,688	1,250
NG	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,688	1,250
HH	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 5 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,688	1,250
HP	Hedge/Member		Increase	USD	750	750	1,250	1,250

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	422	313
QG	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	422	313
NP	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	422	313
NN	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,688	1,250
NG	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,688	1,250
HH	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 6 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,688	1,250
HP	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	422	313
QG	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	422	313
NP	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	422	313
NN	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,688	1,250
NG	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,688	1,250
HH	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 7 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,688	1,250
HP	Hedge/Member		Increase	USD	750	750	1,250	1,250

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	422	313
QG	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	422	313
NP	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	422	313
NN	Hedge/Member		Increase	USD	188	188	313	313
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,688	1,250
NG	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,688	1,250
HH	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,688	1,250
HP	Hedge/Member		Increase	USD	750	750	1,250	1,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	338	250	759	563
QG	Hedge/Member		Increase	USD	250	250	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	338	250	759	563
NP	Hedge/Member		Increase	USD	250	250	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	338	250	759	563
NN	Hedge/Member		Increase	USD	250	250	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,350	1,000	3,038	2,250
NG	Hedge/Member		Increase	USD	1,000	1,000	2,250	2,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,350	1,000	3,038	2,250
HH	Hedge/Member		Increase	USD	1,000	1,000	2,250	2,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 2 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,350	1,000	3,038	2,250
HP	Hedge/Member		Increase	USD	1,000	1,000	2,250	2,250

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	169	125	253	188
QG	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	169	125	253	188
NP	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	169	125	253	188
NN	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	675	500	1,013	750
NG	Hedge/Member		Increase	USD	500	500	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	675	500	1,013	750
HH	Hedge/Member		Increase	USD	500	500	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 3 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	675	500	1,013	750
HP	Hedge/Member		Increase	USD	500	500	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	236	175	338	250
QG	Hedge/Member		Increase	USD	175	175	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	236	175	338	250
NP	Hedge/Member		Increase	USD	175	175	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	236	175	338	250
NN	Hedge/Member		Increase	USD	175	175	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	945	700	1,350	1,000
NG	Hedge/Member		Increase	USD	700	700	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	945	700	1,350	1,000
HH	Hedge/Member		Increase	USD	700	700	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 3 vs. Tier 4 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	945	700	1,350	1,000
HP	Hedge/Member		Increase	USD	700	700	1,000	1,000



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CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	422	313	759	563
QG	Hedge/Member		Increase	USD	313	313	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	422	313	759	563
NP	Hedge/Member		Increase	USD	313	313	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	422	313	759	563
NN	Hedge/Member		Increase	USD	313	313	563	563
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,688	1,250	3,038	2,250
NG	Hedge/Member		Increase	USD	1,250	1,250	2,250	2,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,688	1,250	3,038	2,250
HH	Hedge/Member		Increase	USD	1,250	1,250	2,250	2,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 5 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,688	1,250	3,038	2,250
HP	Hedge/Member		Increase	USD	1,250	1,250	2,250	2,250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	169	125	253	188
QG	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	169	125	253	188
NP	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	169	125	253	188
NN	Hedge/Member		Increase	USD	125	125	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	675	500	1,013	750
NG	Hedge/Member		Increase	USD	500	500	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	675	500	1,013	750
HH	Hedge/Member		Increase	USD	500	500	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 7 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	675	500	1,013	750
HP	Hedge/Member		Increase	USD	500	500	750	750

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	118	88	253	188
QG	Hedge/Member		Increase	USD	88	88	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	118	88	253	188
NP	Hedge/Member		Increase	USD	88	88	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	118	88	253	188
NN	Hedge/Member		Increase	USD	88	88	188	188
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	473	350	1,013	750
NG	Hedge/Member		Increase	USD	350	350	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	473	350	1,013	750
HH	Hedge/Member		Increase	USD	350	350	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	473	350	1,013	750
HP	Hedge/Member		Increase	USD	350	350	750	750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	591	438
QG	Hedge/Member		Increase	USD	188	188	438	438
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	591	438
NP	Hedge/Member		Increase	USD	188	188	438	438
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	591	438
NN	Hedge/Member		Increase	USD	188	188	438	438
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	2,363	1,750
NG	Hedge/Member		Increase	USD	750	750	1,750	1,750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	2,363	1,750
HH	Hedge/Member		Increase	USD	750	750	1,750	1,750
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 6 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	2,363	1,750
HP	Hedge/Member		Increase	USD	750	750	1,750	1,750

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	84	63	169	125
QG	Hedge/Member		Increase	USD	63	63	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	84	63	169	125
NP	Hedge/Member		Increase	USD	63	63	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	84	63	169	125
NN	Hedge/Member		Increase	USD	63	63	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	338	250	675	500
NG	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	338	250	675	500
HH	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 8 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	338	250	675	500
HP	Hedge/Member		Increase	USD	250	250	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	253	188	338	250
QG	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	253	188	338	250
NP	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	253	188	338	250
NN	Hedge/Member		Increase	USD	188	188	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	1,013	750	1,350	1,000
NG	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	1,013	750	1,350	1,000
HH	Hedge/Member		Increase	USD	750	750	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 7 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	1,013	750	1,350	1,000
HP	Hedge/Member		Increase	USD	750	750	1,000	1,000

## SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
<b>Intra Spreads</b>								
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Decrease	USD	253	188	169	125
QG	Hedge/Member		Decrease	USD	188	188	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Decrease	USD	253	188	169	125
NP	Hedge/Member		Decrease	USD	188	188	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Decrease	USD	253	188	169	125
NN	Hedge/Member		Decrease	USD	188	188	125	125
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Decrease	USD	1,013	750	675	500
NG	Hedge/Member		Decrease	USD	750	750	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Decrease	USD	1,013	750	675	500
HH	Hedge/Member		Decrease	USD	750	750	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 8 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Decrease	USD	1,013	750	675	500
HP	Hedge/Member		Decrease	USD	750	750	500	500
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (E-MINI NATURAL GAS FUTURES)</b>								
QG	Spec		Increase	USD	169	125	338	250
QG	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (HENRY HUB PENULTIMATE)</b>								
NP	Spec		Increase	USD	169	125	338	250
NP	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (HENRY HUB SWAP)</b>								
NN	Spec		Increase	USD	169	125	338	250
NN	Hedge/Member		Increase	USD	125	125	250	250
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (NATURAL GAS HENRY HUB FUTURE)</b>								
NG	Spec		Increase	USD	675	500	1,350	1,000
NG	Hedge/Member		Increase	USD	500	500	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (NYMEX NATURAL GAS (H.HUB LTD) FUT)</b>								
HH	Spec		Increase	USD	675	500	1,350	1,000
HH	Hedge/Member		Increase	USD	500	500	1,000	1,000
<b>Henry Hub Natural Gas (NG, NN, HP) - Tier 9 vs. Tier 9 (NYMEX NATURAL GAS FUTURES)</b>								
HP	Spec		Increase	USD	675	500	1,350	1,000
HP	Hedge/Member		Increase	USD	500	500	1,000	1,000