



14-469

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, December 04, 2014

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 05, 2014.

Current rates as of:

Thursday, December 04, 2014.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COAL - Outright Rates								
AUSTRALIAN COKING (PLATTS) LOW VOL (ALW)								
ALW	Spec		Decrease	USD	5,500	5,000	4,125	3,750
ALW	Hedge/Member		Decrease	USD	5,000	5,000	3,750	3,750
COAL API4 RCH BAY ARGS MCCLOSKEY FUT (MFF)								
MFF	Spec	Mnth 2-6	Increase	USD	1,650	1,500	1,760	1,600
MFF	Hedge/Member	Mnth 2-6	Increase	USD	1,500	1,500	1,600	1,600
NYMEX COAL FUTURES (QL)								
QL	Spec	Mnth 1	Increase	USD	3,025	2,750	3,300	3,000
QL	Hedge/Member	Mnth 1	Increase	USD	2,750	2,750	3,000	3,000
QL	Spec	Mnths 2+	Increase	USD	2,200	2,000	2,640	2,400
QL	Hedge/Member	Mnths 2+	Increase	USD	2,000	2,000	2,400	2,400
WESTERN RAIL DELIVERY PRB COAL FUT (QP)								
QP	Spec	Mnth 1	Increase	USD	550	500	605	550
QP	Hedge/Member	Mnth 1	Increase	USD	500	500	550	550
QP	Spec	Mnth 2	Increase	USD	528	480	578	525
QP	Hedge/Member	Mnth 2	Increase	USD	480	480	525	525
QP	Spec	Mnths 3-6	Increase	USD	462	420	550	500
QP	Hedge/Member	Mnths 3-6	Increase	USD	420	420	500	500
CRUDE OIL SPREADS - Outright Rates								
DATED TO FRONTLINE BRENT CLNDR FUT (FY)								
FY	Spec	Mnth 1	Increase	USD	1,100	1,000	1,265	1,150
FY	Hedge/Member	Mnth 1	Increase	USD	1,000	1,000	1,150	1,150
FY	Spec	Mnths 2 - 3	Increase	USD	440	400	550	500
FY	Hedge/Member	Mnths 2 - 3	Increase	USD	400	400	500	500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ELECTRICITY - Outright Rates

ISO NEW ENGLAND OFF-PEAK LMP FUT (KI)

KI	Spec	Mnths 12+	Increase	USD	3,520	3,200	4,070	3,700
KI	Hedge/Member	Mnths 12+	Increase	USD	3,200	3,200	3,700	3,700

MISO INDIANA HUB 5MW D AH O PK (K2)

K2	Spec	Mnth 2	Increase	USD	17	15	22	20
K2	Hedge/Member	Mnth 2	Increase	USD	15	15	20	20

MISO INDIANA HUB 5MW OFPK CAL MO RT (FTM)

FTM	Spec	Mnths 3-11	Increase	USD	11	10	17	15
FTM	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15

MISO INDIANA HUB 5MW REAL TIME OFPK (H4)

H4	Spec	Mnth 2	Increase	USD	17	15	22	20
H4	Hedge/Member	Mnth 2	Increase	USD	15	15	20	20

MISO INDIANA HUB OFF-PEAK MO FUT (EJ)

EJ	Spec	Mnth 2	Increase	USD	3,190	2,900	3,630	3,300
EJ	Hedge/Member	Mnth 2	Increase	USD	2,900	2,900	3,300	3,300
EJ	Spec	Mnths 3-11	Increase	USD	2,200	2,000	2,640	2,400
EJ	Hedge/Member	Mnths 3-11	Increase	USD	2,000	2,000	2,400	2,400

PJM COMED 5MW D AH O PK (D9)

D9	Spec	Mnths 3-11	Increase	USD	11	10	17	15
D9	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15

PJM METED ZONE OFFPK CAL MO LMP FUT (46)

46	Spec	Mnth 1	Increase	USD	55	50	66	60
46	Hedge/Member	Mnth 1	Increase	USD	50	50	60	60

PJM METED ZONE PK CAL LMP FUTURES (47)

47	Spec	Mnths 3-6	Increase	USD	440	400	495	450
47	Hedge/Member	Mnths 3-6	Increase	USD	400	400	450	450
47	Spec	Mnths 7-11	Increase	USD	220	200	440	400
47	Hedge/Member	Mnths 7-11	Increase	USD	200	200	400	400
47	Spec	Mnths 12+	New	USD			220	200
47	Hedge/Member	Mnths 12+	New	USD			200	200

PJM NI HUB 5MW REAL TIME O PK (B6)

B6	Spec	Mnths 3-11	Increase	USD	11	10	17	15
B6	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PJM NILL DA OFF-PEAK (L3)

L3	Spec	Mnths 3-11	Increase	USD	11	10	17	15
L3	Hedge/Member	Mnths 3-11	Increase	USD	10	10	15	15

ETHANOL - Outright Rates

CHICAGO ETHANOL FUT (CU)

CU	Spec	Mth 1	Increase	USD	6,820	6,200	7,700	7,000
CU	Hedge/Member	Mth 1	Increase	USD	6,200	6,200	7,000	7,000
CU	Spec	Mths 2	Increase	USD	5,170	4,700	5,500	5,000
CU	Hedge/Member	Mths 2	Increase	USD	4,700	4,700	5,000	5,000
CU	Spec	Mth 3-7	Increase	USD	3,575	3,250	4,400	4,000
CU	Hedge/Member	Mth 3-7	Increase	USD	3,250	3,250	4,000	4,000
CU	Spec	Mnth 8+	Increase	USD	2,673	2,430	3,740	3,400
CU	Hedge/Member	Mnth 8+	Increase	USD	2,430	2,430	3,400	3,400

ETHANOL FUTURES (EH)

EH	Spec	Month 1	Increase	USD	4,950	4,500	6,600	6,000
EH	Hedge/Member	Month 1	Increase	USD	4,500	4,500	6,000	6,000
EH	Spec	Month 2	Increase	USD	3,465	3,150	4,400	4,000
EH	Hedge/Member	Month 2	Increase	USD	3,150	3,150	4,000	4,000
EH	Spec	Month 3+	Increase	USD	2,750	2,500	3,300	3,000
EH	Hedge/Member	Month 3+	Increase	USD	2,500	2,500	3,000	3,000

ETHANOL(PL) T2 FOB RTRDM INCL (Z1)

Z1	Spec	Mnth 1	Increase	EUR	1,980	1,800	2,200	2,000
Z1	Hedge/Member	Mnth 1	Increase	EUR	1,800	1,800	2,000	2,000
Z1	Spec	Mnths 2+	Increase	EUR	1,760	1,600	2,035	1,850
Z1	Hedge/Member	Mnths 2+	Increase	EUR	1,600	1,600	1,850	1,850

NEW YORK ETHANOL FUT (EZ)

EZ	Spec	Mth 1	Increase	USD	14,300	13,000	17,600	16,000
EZ	Hedge/Member	Mth 1	Increase	USD	13,000	13,000	16,000	16,000
EZ	Spec	Mths 2-7	Increase	USD	7,700	7,000	8,800	8,000
EZ	Hedge/Member	Mths 2-7	Increase	USD	7,000	7,000	8,000	8,000
EZ	Spec	Mth 8+	Increase	USD	7,150	6,500	7,865	7,150
EZ	Hedge/Member	Mth 8+	Increase	USD	6,500	6,500	7,150	7,150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
AUSTRALIAN DOLLAR FUTURES (AD)								
AD	Spec		Increase	USD	1,650	1,500	1,793	1,630
AD	Hedge/Member		Increase	USD	1,500	1,500	1,630	1,630
CZECH KORUNA FUTURES (CZ)								
CZ	Spec		Increase	USD	3,850	3,500	4,400	4,000
CZ	Hedge/Member		Increase	USD	3,500	3,500	4,000	4,000
E-MICRO AUD/USD FUTURES (M6A)								
M6A	Spec		Increase	USD	165	150	179	163
M6A	Hedge/Member		Increase	USD	150	150	163	163
E-MICRO CHF/USD FUTURES (MSF)								
MSF	Spec		Increase	USD	231	210	248	225
MSF	Hedge/Member		Increase	USD	210	210	225	225
E-MICRO EUR/USD FUTURES (M6E)								
M6E	Spec		Increase	USD	231	210	264	240
M6E	Hedge/Member		Increase	USD	210	210	240	240
E-MINI EURO FX FUTURE (E7)								
E7	Spec		Increase	USD	1,155	1,050	1,320	1,200
E7	Hedge/Member		Increase	USD	1,050	1,050	1,200	1,200
EURO FUTURE (EC)								
EC	Spec		Increase	USD	2,310	2,100	2,640	2,400
EC	Hedge/Member		Increase	USD	2,100	2,100	2,400	2,400
KOREAN WON/U.S. DOLLAR FUTURE (KRW)								
KRW	Spec		Increase	USD	1,980	1,800	2,365	2,150
KRW	Hedge/Member		Increase	USD	1,800	1,800	2,150	2,150
NKR/USD FUTURES (UN)								
UN	Spec		Increase	USD	6,600	6,000	7,700	7,000
UN	Hedge/Member		Increase	USD	6,000	6,000	7,000	7,000
RU RUSSIAN RUBLE FUTURES (RU)								
RU	Spec	Jan 14 - Dec 14	Increase	USD	5,280	4,800	6,600	6,000
RU	Hedge/Member	Jan 14 - Dec 14	Increase	USD	4,800	4,800	6,000	6,000
SKR/USD CROSS RATE FUTURES (SE)								
SE	Spec		Increase	USD	5,940	5,400	6,380	5,800
SE	Hedge/Member		Increase	USD	5,400	5,400	5,800	5,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SWISS FRANC FUTURES (SF)

SF	Spec		Increase	USD	2,310	2,100	2,475	2,250
SF	Hedge/Member		Increase	USD	2,100	2,100	2,250	2,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
METALS - Outright Rates								
1000 OZ SILVER FUTURES (SIL)								
SIL	Spec	Mnths 1-4	Increase	USD	1,210	1,100	1,430	1,300
SIL	Hedge/Member	Mnths 1-4	Increase	USD	1,100	1,100	1,300	1,300
SIL	Spec	Mnths 5-6	Increase	USD	1,210	1,100	1,430	1,300
SIL	Hedge/Member	Mnths 5-6	Increase	USD	1,100	1,100	1,300	1,300
SIL	Spec	Mnths 7-12	Increase	USD	1,210	1,100	1,430	1,300
SIL	Hedge/Member	Mnths 7-12	Increase	USD	1,100	1,100	1,300	1,300
SIL	Spec	Mnths 13+	Increase	USD	1,210	1,100	1,430	1,300
SIL	Hedge/Member	Mnths 13+	Increase	USD	1,100	1,100	1,300	1,300
ALUMINUM MW TRANS PREM PLATTS SWAPS (AUP)								
AUP	Spec		Increase	USD	1,100	1,000	1,430	1,300
AUP	Hedge/Member		Increase	USD	1,000	1,000	1,300	1,300
ASIAN IRON ORE FUTURES (TIC)								
TIC	Spec	Mnth 1	Increase	USD	2,200	2,000	3,300	3,000
TIC	Hedge/Member	Mnth 1	Increase	USD	2,000	2,000	3,000	3,000
TIC	Spec	Mnths 2-5	Increase	USD	2,145	1,950	2,200	2,000
TIC	Hedge/Member	Mnths 2-5	Increase	USD	1,950	1,950	2,000	2,000
TIC	Spec	Mnths 6+	Decrease	USD	2,090	1,900	1,650	1,500
TIC	Hedge/Member	Mnths 6+	Decrease	USD	1,900	1,900	1,500	1,500
COMEX 5000 SILVER FUTURES (SI)								
SI	Spec	Mnths 1-4	Increase	USD	6,050	5,500	7,150	6,500
SI	Hedge/Member	Mnths 1-4	Increase	USD	5,500	5,500	6,500	6,500
SI	Spec	Mnths 5-6	Increase	USD	6,050	5,500	7,150	6,500
SI	Hedge/Member	Mnths 5-6	Increase	USD	5,500	5,500	6,500	6,500
SI	Spec	Mnths 7-12	Increase	USD	6,050	5,500	7,150	6,500
SI	Hedge/Member	Mnths 7-12	Increase	USD	5,500	5,500	6,500	6,500
SI	Spec	Mnths 13+	Increase	USD	6,050	5,500	7,150	6,500
SI	Hedge/Member	Mnths 13+	Increase	USD	5,500	5,500	6,500	6,500
COMEX 5000 SILVER TRADE AT SETTLE (SIT)								
SIT	Spec	Mnths 1-4	Increase	USD	6,050	5,500	7,150	6,500
SIT	Hedge/Member	Mnths 1-4	Increase	USD	5,500	5,500	6,500	6,500
SIT	Spec	Mnths 5-6	Increase	USD	6,050	5,500	7,150	6,500
SIT	Hedge/Member	Mnths 5-6	Increase	USD	5,500	5,500	6,500	6,500
SIT	Spec	Mnths 7-12	Increase	USD	6,050	5,500	7,150	6,500
SIT	Hedge/Member	Mnths 7-12	Increase	USD	5,500	5,500	6,500	6,500
SIT	Spec	Mnths 13+	Increase	USD	6,050	5,500	7,150	6,500
SIT	Hedge/Member	Mnths 13+	Increase	USD	5,500	5,500	6,500	6,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COMEX COPPER FUTURES (HG)								
HG	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
HG	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
HG	Spec	Mnth2	Increase	USD	2,860	2,600	3,190	2,900
HG	Hedge/Member	Mnth2	Increase	USD	2,600	2,600	2,900	2,900
HG	Spec	Mnth3	Increase	USD	2,860	2,600	3,190	2,900
HG	Hedge/Member	Mnth3	Increase	USD	2,600	2,600	2,900	2,900
HG	Spec	Mnth4	Increase	USD	2,860	2,600	3,190	2,900
HG	Hedge/Member	Mnth4	Increase	USD	2,600	2,600	2,900	2,900
HG	Spec	Mnth5	Increase	USD	2,860	2,600	3,190	2,900
HG	Hedge/Member	Mnth5	Increase	USD	2,600	2,600	2,900	2,900
HG	Spec	Mnth6	Increase	USD	2,805	2,550	3,135	2,850
HG	Hedge/Member	Mnth6	Increase	USD	2,550	2,550	2,850	2,850
HG	Spec	Mnth7	Increase	USD	2,805	2,550	3,135	2,850
HG	Hedge/Member	Mnth7	Increase	USD	2,550	2,550	2,850	2,850
HG	Spec	Mnth8	Increase	USD	2,750	2,500	3,080	2,800
HG	Hedge/Member	Mnth8	Increase	USD	2,500	2,500	2,800	2,800
HG	Spec	Mnth9	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth9	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth10	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth10	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth11	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth11	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth12	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth12	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth13	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth13	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth14	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth14	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth15	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth15	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth16	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth16	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth17	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth17	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth18	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth18	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth19	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth19	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth20	Increase	USD	2,640	2,400	2,970	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HG	Hedge/Member	Mnth20	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth21	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth21	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth22	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth22	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth23	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth23	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth24	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth24	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth25	Increase	USD	2,640	2,400	2,970	2,700
HG	Hedge/Member	Mnth25	Increase	USD	2,400	2,400	2,700	2,700
HG	Spec	Mnth26	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth26	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth27	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth27	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth28	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth28	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth29	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth29	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth30	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth30	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth31	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth31	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth32	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth32	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth33	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth33	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth34	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth34	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth35	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth35	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth36	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth36	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth37	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth37	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth38	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth38	Increase	USD	2,300	2,300	2,600	2,600
HG	Spec	Mnth39+	Increase	USD	2,530	2,300	2,860	2,600
HG	Hedge/Member	Mnth39+	Increase	USD	2,300	2,300	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COMEX COPPER SWAP FUTURES (HGS)								
HGS	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
HGS	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
HGS	Spec	Mnth2	Increase	USD	2,860	2,600	3,190	2,900
HGS	Hedge/Member	Mnth2	Increase	USD	2,600	2,600	2,900	2,900
HGS	Spec	Mnth3	Increase	USD	2,860	2,600	3,190	2,900
HGS	Hedge/Member	Mnth3	Increase	USD	2,600	2,600	2,900	2,900
HGS	Spec	Mnth4	Increase	USD	2,860	2,600	3,190	2,900
HGS	Hedge/Member	Mnth4	Increase	USD	2,600	2,600	2,900	2,900
HGS	Spec	Mnth5	Increase	USD	2,860	2,600	3,190	2,900
HGS	Hedge/Member	Mnth5	Increase	USD	2,600	2,600	2,900	2,900
HGS	Spec	Mnth6	Increase	USD	2,805	2,550	3,135	2,850
HGS	Hedge/Member	Mnth6	Increase	USD	2,550	2,550	2,850	2,850
HGS	Spec	Mnth7	Increase	USD	2,805	2,550	3,135	2,850
HGS	Hedge/Member	Mnth7	Increase	USD	2,550	2,550	2,850	2,850
HGS	Spec	Mnth8	Increase	USD	2,750	2,500	3,080	2,800
HGS	Hedge/Member	Mnth8	Increase	USD	2,500	2,500	2,800	2,800
HGS	Spec	Mnth9	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth9	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth10	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth10	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth11	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth11	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth12	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth12	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth13	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth13	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth14	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth14	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth15	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth15	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth16	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth16	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth17	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth17	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth18	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth18	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth19	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth19	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth20	Increase	USD	2,640	2,400	2,970	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HGS	Hedge/Member	Mnth20	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth21	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth21	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth22	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth22	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth23	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth23	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth24	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth24	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth25	Increase	USD	2,640	2,400	2,970	2,700
HGS	Hedge/Member	Mnth25	Increase	USD	2,400	2,400	2,700	2,700
HGS	Spec	Mnth26	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth26	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth27	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth27	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth28	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth28	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth29	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth29	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth30	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth30	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth31	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth31	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth32	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth32	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth33	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth33	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth34	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth34	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth35	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth35	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth36	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth36	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth37	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth37	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth38	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth38	Increase	USD	2,300	2,300	2,600	2,600
HGS	Spec	Mnth39+	Increase	USD	2,530	2,300	2,860	2,600
HGS	Hedge/Member	Mnth39+	Increase	USD	2,300	2,300	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX MINY SILVER FUTURES (QI)

QI	Spec	Mnths 1-4	Increase	USD	3,025	2,750	3,575	3,250
QI	Hedge/Member	Mnths 1-4	Increase	USD	2,750	2,750	3,250	3,250
QI	Spec	Mnths 5-6	Increase	USD	3,025	2,750	3,575	3,250
QI	Hedge/Member	Mnths 5-6	Increase	USD	2,750	2,750	3,250	3,250
QI	Spec	Mnths 7-12	Increase	USD	3,025	2,750	3,575	3,250
QI	Hedge/Member	Mnths 7-12	Increase	USD	2,750	2,750	3,250	3,250
QI	Spec	Mnths 13+	Increase	USD	3,025	2,750	3,575	3,250
QI	Hedge/Member	Mnths 13+	Increase	USD	2,750	2,750	3,250	3,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COPPER TAS (HGT)								
HGT	Spec	Mnth1	Increase	USD	2,860	2,600	3,190	2,900
HGT	Hedge/Member	Mnth1	Increase	USD	2,600	2,600	2,900	2,900
HGT	Spec	Mnth2	Increase	USD	2,860	2,600	3,190	2,900
HGT	Hedge/Member	Mnth2	Increase	USD	2,600	2,600	2,900	2,900
HGT	Spec	Mnth3	Increase	USD	2,860	2,600	3,190	2,900
HGT	Hedge/Member	Mnth3	Increase	USD	2,600	2,600	2,900	2,900
HGT	Spec	Mnth4	Increase	USD	2,860	2,600	3,190	2,900
HGT	Hedge/Member	Mnth4	Increase	USD	2,600	2,600	2,900	2,900
HGT	Spec	Mnth5	Increase	USD	2,860	2,600	3,190	2,900
HGT	Hedge/Member	Mnth5	Increase	USD	2,600	2,600	2,900	2,900
HGT	Spec	Mnth6	Increase	USD	2,805	2,550	3,135	2,850
HGT	Hedge/Member	Mnth6	Increase	USD	2,550	2,550	2,850	2,850
HGT	Spec	Mnth7	Increase	USD	2,805	2,550	3,135	2,850
HGT	Hedge/Member	Mnth7	Increase	USD	2,550	2,550	2,850	2,850
HGT	Spec	Mnth8	Increase	USD	2,750	2,500	3,080	2,800
HGT	Hedge/Member	Mnth8	Increase	USD	2,500	2,500	2,800	2,800
HGT	Spec	Mnth9	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth9	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth10	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth10	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth11	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth11	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth12	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth12	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth13	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth13	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth14	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth14	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth15	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth15	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth16	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth16	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth17	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth17	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth18	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth18	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth19	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth19	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth20	Increase	USD	2,640	2,400	2,970	2,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HGT	Hedge/Member	Mnth20	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth21	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth21	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth22	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth22	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth23	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth23	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth24	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth24	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth25	Increase	USD	2,640	2,400	2,970	2,700
HGT	Hedge/Member	Mnth25	Increase	USD	2,400	2,400	2,700	2,700
HGT	Spec	Mnth26	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth26	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth27	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth27	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth28	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth28	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth29	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth29	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth30	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth30	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth31	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth31	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth32	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth32	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth33	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth33	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth34	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth34	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth35	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth35	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth36	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth36	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth37	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth37	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth38	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth38	Increase	USD	2,300	2,300	2,600	2,600
HGT	Spec	Mnth39+	Increase	USD	2,530	2,300	2,860	2,600
HGT	Hedge/Member	Mnth39+	Increase	USD	2,300	2,300	2,600	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI COPPER FUTURES (QC)								
QC	Spec	Mnth1	Increase	USD	1,430	1,300	1,595	1,450
QC	Hedge/Member	Mnth1	Increase	USD	1,300	1,300	1,450	1,450
QC	Spec	Mnth2	Increase	USD	1,430	1,300	1,595	1,450
QC	Hedge/Member	Mnth2	Increase	USD	1,300	1,300	1,450	1,450
QC	Spec	Mnth3	Increase	USD	1,430	1,300	1,595	1,450
QC	Hedge/Member	Mnth3	Increase	USD	1,300	1,300	1,450	1,450
QC	Spec	Mnth4	Increase	USD	1,430	1,300	1,595	1,450
QC	Hedge/Member	Mnth4	Increase	USD	1,300	1,300	1,450	1,450
QC	Spec	Mnth5	Increase	USD	1,430	1,300	1,595	1,450
QC	Hedge/Member	Mnth5	Increase	USD	1,300	1,300	1,450	1,450
QC	Spec	Mnth6	Increase	USD	1,403	1,275	1,568	1,425
QC	Hedge/Member	Mnth6	Increase	USD	1,275	1,275	1,425	1,425
QC	Spec	Mnth7	Increase	USD	1,403	1,275	1,568	1,425
QC	Hedge/Member	Mnth7	Increase	USD	1,275	1,275	1,425	1,425
QC	Spec	Mnth8	Increase	USD	1,375	1,250	1,540	1,400
QC	Hedge/Member	Mnth8	Increase	USD	1,250	1,250	1,400	1,400
QC	Spec	Mnth9	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth9	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth10	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth10	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth11	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth11	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth12	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth12	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth13	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth13	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth14	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth14	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth15	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth15	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth16	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth16	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth17	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth17	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth18	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth18	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth19	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth19	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth20	Increase	USD	1,320	1,200	1,485	1,350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
QC	Hedge/Member	Mnth20	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth21	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth21	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth22	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth22	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth23	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth23	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth24	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth24	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth25	Increase	USD	1,320	1,200	1,485	1,350
QC	Hedge/Member	Mnth25	Increase	USD	1,200	1,200	1,350	1,350
QC	Spec	Mnth26	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth26	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth27	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth27	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth28	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth28	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth29	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth29	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth30	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth30	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth31	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth31	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth32	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth32	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth33	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth33	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth34	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth34	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth35	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth35	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth36	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth36	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth37	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth37	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth38	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth38	Increase	USD	1,150	1,150	1,300	1,300
QC	Spec	Mnth39+	Increase	USD	1,265	1,150	1,430	1,300
QC	Hedge/Member	Mnth39+	Increase	USD	1,150	1,150	1,300	1,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MINI SILVER FUTURES (6Q)								
6Q	Spec	Mnths 1-4	Increase	USD	1,210	1,100	1,430	1,300
6Q	Hedge/Member	Mnths 1-4	Increase	USD	1,100	1,100	1,300	1,300
6Q	Spec	Mnths 5-6	Increase	USD	1,210	1,100	1,430	1,300
6Q	Hedge/Member	Mnths 5-6	Increase	USD	1,100	1,100	1,300	1,300
6Q	Spec	Mnths 7-12	Increase	USD	1,210	1,100	1,430	1,300
6Q	Hedge/Member	Mnths 7-12	Increase	USD	1,100	1,100	1,300	1,300
6Q	Spec	Mnths 13+	Increase	USD	1,210	1,100	1,430	1,300
6Q	Hedge/Member	Mnths 13+	Increase	USD	1,100	1,100	1,300	1,300
IRON ORE FUTURES (TIO)								
TIO	Spec	Mths 1-4	Increase	USD	2,530	2,300	2,695	2,450
TIO	Hedge/Member	Mths 1-4	Increase	USD	2,300	2,300	2,450	2,450
TIO	Spec	Mths 5+	Increase	USD	2,475	2,250	2,640	2,400
TIO	Hedge/Member	Mths 5+	Increase	USD	2,250	2,250	2,400	2,400
IRON ORE(PLATTS) FUT (PIO)								
PIO	Spec		Decrease	USD	8,800	8,000	4,400	4,000
PIO	Hedge/Member		Decrease	USD	8,000	8,000	4,000	4,000
PALLADIUM FUTURES NYMEX (PA)								
PA	Spec	Mnth 1	Increase	USD	3,575	3,250	4,400	4,000
PA	Hedge/Member	Mnth 1	Increase	USD	3,250	3,250	4,000	4,000
PA	Spec	Mnth 2+	Increase	USD	3,575	3,250	4,400	4,000
PA	Hedge/Member	Mnth 2+	Increase	USD	3,250	3,250	4,000	4,000
PLATINUM FUTURES NYMEX (PL)								
PL	Spec	Mths 1	Increase	USD	1,980	1,800	2,200	2,000
PL	Hedge/Member	Mths 1	Increase	USD	1,800	1,800	2,000	2,000
PL	Spec	Mths 2+	Increase	USD	1,980	1,800	2,200	2,000
PL	Hedge/Member	Mths 2+	Increase	USD	1,800	1,800	2,000	2,000
URANIUM FUTURES (UX)								
UX	Spec		Increase	USD	462	420	660	600
UX	Hedge/Member		Increase	USD	420	420	600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NATURAL GAS - Outright Rates								
ALGONQUIN CITY-GATES NAT SWING FUT (C8)								
C8	Spec		Increase	USD	60,500	55,000	67,100	61,000
C8	Hedge/Member		Increase	USD	55,000	55,000	61,000	61,000
ANR, LA NAT GAS SWING FUT (K6)								
K6	Spec		Increase	USD	1,650	1,500	3,300	3,000
K6	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
ANR, OKLA. INDEX (IQ)								
IQ	Spec	Mnths 1-2	Increase	USD	1,650	1,500	2,750	2,500
IQ	Hedge/Member	Mnths 1-2	Increase	USD	1,500	1,500	2,500	2,500
ANR, OKLA. SWING FUT (SQ)								
SQ	Spec		Increase	USD	1,650	1,500	3,300	3,000
SQ	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
CHICAGO INDEX FUT (IS)								
IS	Spec	Mnths 1-2	Increase	USD	2,200	2,000	4,400	4,000
IS	Hedge/Member	Mnths 1-2	Increase	USD	2,000	2,000	4,000	4,000
CHICAGO NAT GAS FIXED PRICE FUT (XO)								
XO	Spec	Mnth 1-1	Increase	USD	913	830	1,155	1,050
XO	Hedge/Member	Mnth 1-1	Increase	USD	830	830	1,050	1,050
XO	Spec	Mnth 2-2	Increase	USD	913	830	1,100	1,000
XO	Hedge/Member	Mnth 2-2	Increase	USD	830	830	1,000	1,000
XO	Spec	Mnths 3+	Increase	USD	913	830	990	900
XO	Hedge/Member	Mnths 3+	Increase	USD	830	830	900	900
CHICAGO SWING FUTURE (SS)								
SS	Spec		Increase	USD	1,650	1,500	3,300	3,000
SS	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
CIG BASIS (CI)								
CI	Spec	Mnth 1	Increase	USD	440	400	495	450
CI	Hedge/Member	Mnth 1	Increase	USD	400	400	450	450
CIG ROCKIES NG SWING (U8)								
U8	Spec		Increase	USD	1,650	1,500	3,300	3,000
U8	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
COLUMBIA GAS TCO (IFERC) FIXED (CFS)								
CFS	Spec	Mnth 1	Increase	USD	1,100	1,000	1,540	1,400
CFS	Hedge/Member	Mnth 1	Increase	USD	1,000	1,000	1,400	1,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
COLUMBIA GULF LA NAT GAS SWING FUT (J6)								
J6	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
J6	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
COLUMBIA GULF NAT GAS SWING FUT (X2)								
X2	Spec		Increase	USD	1,650	1,500	3,300	3,000
X2	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
DEMARC SWING FUT (DT)								
DT	Spec		Increase	USD	2,200	2,000	3,300	3,000
DT	Hedge/Member		Increase	USD	2,000	2,000	3,000	3,000
DOMINION (IFERC) FIXED PRICE FUT (DSF)								
DSF	Spec	Mnth 1	Increase	USD	1,210	1,100	1,540	1,400
DSF	Hedge/Member	Mnth 1	Increase	USD	1,100	1,100	1,400	1,400
DOMINION-APPALACHIA SWING FUT (SH)								
SH	Spec		Increase	USD	2,200	2,000	4,400	4,000
SH	Hedge/Member		Increase	USD	2,000	2,000	4,000	4,000
ENABLE NAT GAS SWING FUT (VX)								
VX	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
VX	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
FL GAS ZONE 1 NAT GAS SWING FUT (Y9)								
Y9	Spec		Increase	USD	1,650	1,500	3,300	3,000
Y9	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
FL GAS ZONE 3 NAT GAS SWING FUT (J8)								
J8	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
J8	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
FLORIDA GAS ZONE 2 NAT GAS SWING (X5)								
X5	Spec		Increase	USD	2,200	2,000	4,400	4,000
X5	Hedge/Member		Increase	USD	2,000	2,000	4,000	4,000
HENRY HUB SWING FUTURE (SN)								
SN	Spec	All Months	Increase	USD	1,650	1,500	2,200	2,000
SN	Hedge/Member	All Months	Increase	USD	1,500	1,500	2,000	2,000
HOUSTON SHIP CHANNEL BASIS FUT (NH)								
NH	Spec	Mnths 13+	Increase	USD	110	100	143	130
NH	Hedge/Member	Mnths 13+	Increase	USD	100	100	130	130

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
HOUSTON SHIP CHANNEL PIPE FUT (XJ)								
XJ	Spec		Increase	USD	990	900	1,100	1,000
XJ	Hedge/Member		Increase	USD	900	900	1,000	1,000
HOUSTON SHIP CHANNEL SWING (SM)								
SM	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
SM	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
KERN RIVER OPAL PLANT SWING FUT (SR)								
SR	Spec		Increase	USD	1,650	1,500	3,300	3,000
SR	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
MALIN NG SWING (W9)								
W9	Spec		Increase	USD	1,650	1,500	3,300	3,000
W9	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
MICHCON IFERC FIXED PRICE FUT (MFS)								
MFS	Spec	Mnths 1-2	Increase	USD	1,320	1,200	1,980	1,800
MFS	Hedge/Member	Mnths 1-2	Increase	USD	1,200	1,200	1,800	1,800
MICHCON NG SWING (T8)								
T8	Spec		Increase	USD	1,650	1,500	3,300	3,000
T8	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
NATIONAL BALANCING POINT BASIS FUT (E2)								
E2	Spec		Increase	USD	1,650	1,500	1,760	1,600
E2	Hedge/Member		Increase	USD	1,500	1,500	1,600	1,600
NGPL MID-CON (IFERC) FIXED PRICE (NFS)								
NFS	Spec	Mth 1	Increase	USD	1,045	950	1,540	1,400
NFS	Hedge/Member	Mth 1	Increase	USD	950	950	1,400	1,400
NFS	Spec	Mth 2	Increase	USD	990	900	1,100	1,000
NFS	Hedge/Member	Mth 2	Increase	USD	900	900	1,000	1,000
NGPL STX NAT GAS SWING FUT (Q7)								
Q7	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
Q7	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
NGPL, MIDCONTINENT INDEX (IW)								
IW	Spec	Mnths 1-2	Increase	USD	1,320	1,200	1,540	1,400
IW	Hedge/Member	Mnths 1-2	Increase	USD	1,200	1,200	1,400	1,400
NGPL, MIDCONTINENT SWING FUT (PX)								
PX	Spec		Increase	USD	1,650	1,500	3,300	3,000
PX	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NGPL, TEXOK SWING FUT (OX)								
OX	Spec		Increase	USD	1,650	1,500	2,200	2,000
OX	Hedge/Member		Increase	USD	1,500	1,500	2,000	2,000
NORTHERN ROCKIES PIPE FUT (XR)								
XR	Spec	Mnth 1-1	Increase	USD	1,073	975	1,540	1,400
XR	Hedge/Member	Mnth 1-1	Increase	USD	975	975	1,400	1,400
XR	Spec	Mnth 2-2	Increase	USD	1,029	935	1,210	1,100
XR	Hedge/Member	Mnth 2-2	Increase	USD	935	935	1,100	1,100
XR	Spec	Mnths 3+	Increase	USD	880	800	1,155	1,050
XR	Hedge/Member	Mnths 3+	Increase	USD	800	800	1,050	1,050
ONEOK NATURAL GAS SWING FUT (M3)								
M3	Spec		Increase	USD	1,650	1,500	3,300	3,000
M3	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
PANHANDLE SWING FUTURE (SV)								
SV	Spec		Increase	USD	1,650	1,500	3,300	3,000
SV	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
PERMIAN IFERC FIXED PRICE FUT (PFS)								
PFS	Spec	Mnth 1	Increase	USD	935	850	1,155	1,050
PFS	Hedge/Member	Mnth 1	Increase	USD	850	850	1,050	1,050
PFS	Spec	Mnths 2	Increase	USD	908	825	1,100	1,000
PFS	Hedge/Member	Mnths 2	Increase	USD	825	825	1,000	1,000
PG&E CITYGATE SWING FUT (SK)								
SK	Spec		Increase	USD	1,650	1,500	3,300	3,000
SK	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
PGE CITYGATE NAT GAS FIXD PRICE FUT (XQ)								
XQ	Spec	Mnth 1-1	Increase	USD	935	850	1,155	1,050
XQ	Hedge/Member	Mnth 1-1	Increase	USD	850	850	1,050	1,050
XQ	Spec	Mnth 2-2	Increase	USD	935	850	1,100	1,000
XQ	Hedge/Member	Mnth 2-2	Increase	USD	850	850	1,000	1,000
XQ	Spec	Mnths 3+	Increase	USD	715	650	825	750
XQ	Hedge/Member	Mnths 3+	Increase	USD	650	650	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SAN JUAN PIPE FUT (XX)								
XX	Spec	Mnth 1-1	Increase	USD	1,073	975	1,540	1,400
XX	Hedge/Member	Mnth 1-1	Increase	USD	975	975	1,400	1,400
XX	Spec	Mnth 2-2	Increase	USD	1,023	930	1,155	1,050
XX	Hedge/Member	Mnth 2-2	Increase	USD	930	930	1,050	1,050
XX	Spec	Mnths 3+	Increase	USD	825	750	1,100	1,000
XX	Hedge/Member	Mnths 3+	Increase	USD	750	750	1,000	1,000
SAN JUAN SWING FUT (SJ)								
SJ	Spec		Increase	USD	1,650	1,500	3,300	3,000
SJ	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
SOCAL CITY-GATE NAT GAS SWING FUT (T9)								
T9	Spec		Increase	USD	1,650	1,500	3,300	3,000
T9	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
SOCAL PIPE FUT (XN)								
XN	Spec	Mnth 1	Increase	USD	1,089	990	1,540	1,400
XN	Hedge/Member	Mnth 1	Increase	USD	990	990	1,400	1,400
XN	Spec	Mnth 2	Increase	USD	1,029	935	1,210	1,100
XN	Hedge/Member	Mnth 2	Increase	USD	935	935	1,100	1,100
XN	Spec	Mnths 3-6	Increase	USD	825	750	1,100	1,000
XN	Hedge/Member	Mnths 3-6	Increase	USD	750	750	1,000	1,000
XN	Spec	Mnths 7-12	Increase	USD	605	550	825	750
XN	Hedge/Member	Mnths 7-12	Increase	USD	550	550	750	750
XN	Spec	Mnths 13+	Increase	USD	440	400	550	500
XN	Hedge/Member	Mnths 13+	Increase	USD	400	400	500	500
SOCAL SWING FUT (SF)								
SF	Spec		Increase	USD	2,200	2,000	4,400	4,000
SF	Hedge/Member		Increase	USD	2,000	2,000	4,000	4,000
SOUTHERN NAT LA NAT GAS SWING FUT (K8)								
K8	Spec		Increase	USD	1,650	1,500	3,300	3,000
K8	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
SOUTHERN STAR, TX-OKLA SWING (M4)								
M4	Spec		Increase	USD	1,650	1,500	3,300	3,000
M4	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
SUMAS SWING FUT (SU)								
SU	Spec		Increase	USD	1,650	1,500	3,300	3,000
SU	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TCO NG INDEX FUT (Q1)								
Q1	Spec	Mnth 1-2	Increase	USD	1,430	1,300	1,650	1,500
Q1	Hedge/Member	Mnth 1-2	Increase	USD	1,300	1,300	1,500	1,500
TCO NG SWING (A1)								
A1	Spec		Increase	USD	1,650	1,500	3,300	3,000
A1	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
TENN 800 LEG NAT GAS INDEX FUT (L4)								
L4	Spec	Mnths 1-2	Increase	USD	1,650	1,500	2,200	2,000
L4	Hedge/Member	Mnths 1-2	Increase	USD	1,500	1,500	2,000	2,000
TENNESSEE 500 LEG NG SWING (T7)								
T7	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
T7	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
TENNESSEE 800 LEG NAT GAS SWING (W5)								
W5	Spec		Increase	USD	1,650	1,500	3,300	3,000
W5	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
TENNESSEE ZONE 0 NG SWING (T4)								
T4	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
T4	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
TETCO NG STX SWING (T2)								
T2	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
T2	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
TEXAS EASTERN ELA NAT GAS SWING (K9)								
K9	Spec		Increase	USD	1,650	1,500	3,300	3,000
K9	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
TEXAS EASTERN WLA NAT GAS SWING (X8)								
X8	Spec	All Months	Increase	USD	2,200	2,000	4,290	3,900
X8	Hedge/Member	All Months	Increase	USD	2,000	2,000	3,900	3,900
TEXAS EASTERN ZONE M-3 SWING FUT (SX)								
SX	Spec		Increase	USD	6,600	6,000	11,000	10,000
SX	Hedge/Member		Increase	USD	6,000	6,000	10,000	10,000
TRANSCO ZONE 1 NAT GAS INDEX FUT (C4)								
C4	Spec	Mths 1-2	Increase	USD	1,650	1,500	3,190	2,900
C4	Hedge/Member	Mths 1-2	Increase	USD	1,500	1,500	2,900	2,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
TRANSCO ZONE 1 NAT GAS SWING FUT (X4)								
X4	Spec		Increase	USD	2,200	2,000	4,400	4,000
X4	Hedge/Member		Increase	USD	2,000	2,000	4,000	4,000
TRANSCO ZONE 2 NAT GAS SWING FUT (X3)								
X3	Spec		Increase	USD	2,200	2,000	3,300	3,000
X3	Hedge/Member		Increase	USD	2,000	2,000	3,000	3,000
TRANSCO ZONE 3 NG SWING (T6)								
T6	Spec		Increase	USD	1,650	1,500	3,300	3,000
T6	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
TRANSCO ZONE 4 NAT GAS SWING FUT (J3)								
J3	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
J3	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000
TRANSCO ZONE 5 GAS SWING FUT (TZ5)								
TZ5	Spec	All Months	Increase	USD	2,200	2,000	4,400	4,000
TZ5	Hedge/Member	All Months	Increase	USD	2,000	2,000	4,000	4,000
TRANSCO ZONE 6 GAS INDEX FUT (TZI)								
TZI	Spec	Mnths 1-2	Increase	USD	22,000	20,000	28,600	26,000
TZI	Hedge/Member	Mnths 1-2	Increase	USD	20,000	20,000	26,000	26,000
TRANSCO ZONE 6 INDEX (IT)								
IT	Spec	Mnth 1-2	Increase	USD	6,600	6,000	8,800	8,000
IT	Hedge/Member	Mnth 1-2	Increase	USD	6,000	6,000	8,000	8,000
TRANSCO ZONE 6 SWING FUT (ST)								
ST	Spec	All Months	Increase	USD	11,000	10,000	16,500	15,000
ST	Hedge/Member	All Months	Increase	USD	10,000	10,000	15,000	15,000
TRUNKLINE ELA NAT GAS SWING FUT (K7)								
K7	Spec		Increase	USD	1,650	1,500	3,300	3,000
K7	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
VENTURA SWING FUT (VS)								
VS	Spec		Increase	USD	1,650	1,500	3,300	3,000
VS	Hedge/Member		Increase	USD	1,500	1,500	3,000	3,000
WAHA IFERC FIXED PRICE FUT (WFS)								
WFS	Spec	Mths 1	Increase	USD	880	800	1,155	1,050
WFS	Hedge/Member	Mths 1	Increase	USD	800	800	1,050	1,050
WFS	Spec	Mnths 2	Increase	USD	880	800	1,100	1,000
WFS	Hedge/Member	Mnths 2	Increase	USD	800	800	1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

WAHA SWING FUTURE (SY)

SY	Spec	All Months	Increase	USD	1,650	1,500	3,300	3,000
SY	Hedge/Member	All Months	Increase	USD	1,500	1,500	3,000	3,000

WAHA TEXAS BASIS FUT (NW)

NW	Spec	Mnth 1	Increase	USD	385	350	495	450
NW	Hedge/Member	Mnth 1	Increase	USD	350	350	450	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NGL/PETROCHEMICALS - Outright Rates								
ARGUS PROPAN FAR EST INDEX FUT (7E)								
7E	Spec	Mnth 1	Increase	USD	55,000	50,000	66,000	60,000
7E	Hedge/Member	Mnth 1	Increase	USD	50,000	50,000	60,000	60,000
7E	Spec	Mnth 2+	Increase	USD	44,000	40,000	55,000	50,000
7E	Hedge/Member	Mnth 2+	Increase	USD	40,000	40,000	50,000	50,000
ARGUS PROPAN(SAUDI ARAMCO) FUT (9N)								
9N	Spec		Increase	USD	45,100	41,000	55,000	50,000
9N	Hedge/Member		Increase	USD	41,000	41,000	50,000	50,000
BUTANE 5 DECIMAL (D0)								
D0	Spec	Mth 1	Increase	USD	2,750	2,500	3,300	3,000
D0	Hedge/Member	Mth 1	Increase	USD	2,500	2,500	3,000	3,000
D0	Spec	Mnths 2-6	Increase	USD	2,750	2,500	3,300	3,000
D0	Hedge/Member	Mnths 2-6	Increase	USD	2,500	2,500	3,000	3,000
CONWAY NAT GASOLINE FUT (8L)								
8L	Spec		Increase	USD	4,400	4,000	6,050	5,500
8L	Hedge/Member		Increase	USD	4,000	4,000	5,500	5,500
CONWAY NORMAL BUTANE FUT (8M)								
8M	Spec		Increase	USD	5,500	5,000	6,050	5,500
8M	Hedge/Member		Increase	USD	5,000	5,000	5,500	5,500
CONWAY PHYPROPANE OPIS INWELL (CPP)								
CPP	Spec		Increase	USD	4,950	4,500	7,150	6,500
CPP	Hedge/Member		Increase	USD	4,500	4,500	6,500	6,500
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Spec	Mth 1	Increase	USD	7,700	7,000	11,000	10,000
8K	Hedge/Member	Mth 1	Increase	USD	7,000	7,000	10,000	10,000
8K	Spec	Mth 2	Increase	USD	3,630	3,300	5,500	5,000
8K	Hedge/Member	Mth 2	Increase	USD	3,300	3,300	5,000	5,000
8K	Spec	Mth 3+	Increase	USD	3,300	3,000	3,960	3,600
8K	Hedge/Member	Mth 3+	Increase	USD	3,000	3,000	3,600	3,600
ETHANE 5 DECIMAL (C0)								
C0	Spec	Mnths 1-3	Increase	USD	935	850	1,320	1,200
C0	Hedge/Member	Mnths 1-3	Increase	USD	850	850	1,200	1,200
C0	Spec	Mnths 4+	Increase	USD	550	500	1,100	1,000
C0	Hedge/Member	Mnths 4+	Increase	USD	500	500	1,000	1,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EURO PROPANE CIF ARA FUT (PS)								
PS	Spec	Mnth 1	Increase	USD	53,900	49,000	59,400	54,000
PS	Hedge/Member	Mnth 1	Increase	USD	49,000	49,000	54,000	54,000
PS	Spec	Mths 2 - 3	Increase	USD	48,400	44,000	55,000	50,000
PS	Hedge/Member	Mths 2 - 3	Increase	USD	44,000	44,000	50,000	50,000
PS	Spec	Mths 4+	Increase	USD	41,800	38,000	51,700	47,000
PS	Hedge/Member	Mths 4+	Increase	USD	38,000	38,000	47,000	47,000
HDPE HIGH DEN POLYETHYLENE CAL FUT (HPE)								
HPE	Spec	Mth 1	Increase	USD	3,300	3,000	3,850	3,500
HPE	Hedge/Member	Mth 1	Increase	USD	3,000	3,000	3,500	3,500
LLDPE LI LW DSTY POLYETHYLENE FUT (LPE)								
LPE	Spec		Increase	USD	1,980	1,800	2,420	2,200
LPE	Hedge/Member		Increase	USD	1,800	1,800	2,200	2,200
MIN ARGUS PROPANE SAUDI ARAMCO FUT (MAS)								
MAS	Spec		Increase	USD	4,510	4,100	5,500	5,000
MAS	Hedge/Member		Increase	USD	4,100	4,100	5,000	5,000
MINI ARGUS PROPANE FAR EAST IDX (MAE)								
MAE	Spec	Mnth 1	Increase	USD	5,500	5,000	6,600	6,000
MAE	Hedge/Member	Mnth 1	Increase	USD	5,000	5,000	6,000	6,000
MAE	Spec	Mnth 2+	Increase	USD	4,400	4,000	5,500	5,000
MAE	Hedge/Member	Mnth 2+	Increase	USD	4,000	4,000	5,000	5,000
MONT BELVIEU NAT GAS (OPIS) FUT (W3)								
W3	Spec	Mnth 1	Increase	USD	3,850	3,500	4,950	4,500
W3	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,500	4,500
W3	Spec	Mnths 2+	Increase	USD	3,850	3,500	4,950	4,500
W3	Hedge/Member	Mnths 2+	Increase	USD	3,500	3,500	4,500	4,500
MT BELVIEU ETHANE BALMO FUT (8C)								
8C	Spec		Increase	USD	3,850	3,500	4,400	4,000
8C	Hedge/Member		Increase	USD	3,500	3,500	4,000	4,000
MT BELVIEU NORMAL BUTANE BALM (8J)								
8J	Spec		Increase	USD	6,600	6,000	11,000	10,000
8J	Hedge/Member		Increase	USD	6,000	6,000	10,000	10,000
MT BELVIEU ETHYLENE IN-WELL(PCW) (MBE)								
MBE	Spec		Increase	USD	4,620	4,200	5,500	5,000
MBE	Hedge/Member		Increase	USD	4,200	4,200	5,000	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MT BELVIEU ISO BUTANE 5 DEC. S (8I)								
8I	Spec	Mnth 1	Increase	USD	3,218	2,925	3,520	3,200
8I	Hedge/Member	Mnth 1	Increase	USD	2,925	2,925	3,200	3,200
8I	Spec	Mnths 2-6	Increase	USD	2,860	2,600	3,300	3,000
8I	Hedge/Member	Mnths 2-6	Increase	USD	2,600	2,600	3,000	3,000
MT BELVIEU NAT GAS 5 D. OPIS (7Q)								
7Q	Spec	Mnth 1	Increase	USD	3,850	3,500	4,950	4,500
7Q	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,500	4,500
7Q	Spec	Mnths 2+	Increase	USD	3,850	3,500	4,950	4,500
7Q	Hedge/Member	Mnths 2+	Increase	USD	3,500	3,500	4,500	4,500
MT BELVIEU NORMAL BUTANE LDH(OPIS) (MNB)								
MNB	Spec		Increase	USD	3,080	2,800	3,520	3,200
MNB	Hedge/Member		Increase	USD	2,800	2,800	3,200	3,200
MT. BELVIEU ETHANE (OPIS) BLM (V4)								
V4	Spec		Increase	USD	3,850	3,500	4,400	4,000
V4	Hedge/Member		Increase	USD	3,500	3,500	4,000	4,000
MT. BELVIEU ETHYLENE(PCW) FIN FUT (MBN)								
MBN	Spec	Mnth 1	Increase	USD	6,050	5,500	8,250	7,500
MBN	Hedge/Member	Mnth 1	Increase	USD	5,500	5,500	7,500	7,500
MBN	Spec	Mnths 2+	Increase	USD	5,280	4,800	5,500	5,000
MBN	Hedge/Member	Mnths 2+	Increase	USD	4,800	4,800	5,000	5,000
MT. BELVIEU NRM BTN (OPIS) BLM (Y5)								
Y5	Spec		Increase	USD	6,600	6,000	11,000	10,000
Y5	Hedge/Member		Increase	USD	6,000	6,000	10,000	10,000
MT. BELVIEU PHSL NAT GAS OPIS (3R)								
3R	Spec	Mnth 1	Increase	USD	6,050	5,500	6,600	6,000
3R	Hedge/Member	Mnth 1	Increase	USD	5,500	5,500	6,000	6,000
3R	Spec	Mnths 2+	Increase	USD	6,050	5,500	6,600	6,000
3R	Hedge/Member	Mnths 2+	Increase	USD	5,500	5,500	6,000	6,000
MT. BLVU PHSCL LDH PROPAN OPIS (3N)								
3N	Spec		Increase	USD	3,850	3,500	4,400	4,000
3N	Hedge/Member		Increase	USD	3,500	3,500	4,000	4,000
MT. BLVU PHSCL NONLDH PN OPIS (3P)								
3P	Spec		Increase	USD	3,850	3,500	4,400	4,000
3P	Hedge/Member		Increase	USD	3,500	3,500	4,000	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PGP POLYMER GRD PROPYLENE CAL FUT (PGP)

PGP	Spec	Mth 1	Increase	USD	2,750	2,500	3,520	3,200
PGP	Hedge/Member	Mth 1	Increase	USD	2,500	2,500	3,200	3,200

PROPANE NON LDH MT BLV BALMO (1S)

1S	Spec		Increase	USD	4,675	4,250	8,250	7,500
1S	Hedge/Member		Increase	USD	4,250	4,250	7,500	7,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
ARGS GSOLNE E-BOB OXY BARGES NWE CK (EOB)								
EOB	Spec	Mnth 7+	Increase	USD	21,075	19,159	23,824	21,658
EOB	Hedge/Member	Mnth 7+	Increase	USD	19,159	19,159	21,658	21,658
CHI ULSD (PLATTS) VS. NY HRBR ULSD (5C)								
5C	Spec	Mnth 1	Increase	USD	4,620	4,200	6,050	5,500
5C	Hedge/Member	Mnth 1	Increase	USD	4,200	4,200	5,500	5,500
5C	Spec	Mnth 2-3	Increase	USD	2,640	2,400	3,300	3,000
5C	Hedge/Member	Mnth 2-3	Increase	USD	2,400	2,400	3,000	3,000
GAS EURO-BOB OXY (ARG) CRACK (7K)								
7K	Spec	Mnth 7+	Increase	USD	2,530	2,300	2,860	2,600
7K	Hedge/Member	Mnth 7+	Increase	USD	2,300	2,300	2,600	2,600
LA CARBD (OPIS) VS. NY HRBR ULSD (KL)								
KL	Spec	Mnth 1	Increase	USD	1,430	1,300	1,650	1,500
KL	Hedge/Member	Mnth 1	Increase	USD	1,300	1,300	1,500	1,500
KL	Spec	Mnth 2	Increase	USD	990	900	1,100	1,000
KL	Hedge/Member	Mnth 2	Increase	USD	900	900	1,000	1,000
KL	Spec	Mnth 3+	Increase	USD	880	800	990	900
KL	Hedge/Member	Mnth 3+	Increase	USD	800	800	900	900
LA CARBOB GASOLINE(OPIS)FUT (JL)								
JL	Spec		Increase	USD	3,080	2,800	3,410	3,100
JL	Hedge/Member		Increase	USD	2,800	2,800	3,100	3,100
LOW SULPHUR GASOIL CRACK SPD FIN (LSC)								
LSC	Spec	Mnth 1	Increase	USD	2,310	2,100	2,640	2,400
LSC	Hedge/Member	Mnth 1	Increase	USD	2,100	2,100	2,400	2,400
LSC	Spec	Mnth 2-6	Increase	USD	2,310	2,100	2,640	2,400
LSC	Hedge/Member	Mnth 2-6	Increase	USD	2,100	2,100	2,400	2,400
LSC	Spec	Mnth 7+	Increase	USD	1,870	1,700	2,640	2,400
LSC	Hedge/Member	Mnth 7+	Increase	USD	1,700	1,700	2,400	2,400
SINGAPORE FUEL OIL SPREAD FUT (SD)								
SD	Spec	Mnth 26+	Increase	USD	3,190	2,900	3,630	3,300
SD	Hedge/Member	Mnth 26+	Increase	USD	2,900	2,900	3,300	3,300
WEATHER - Outright Rates								
ATLANTA HDD FUTURE (H1)								
H1	Spec		Increase	USD	13%	12%	15%	14%
H1	Hedge/Member		Increase	USD	12%	12%	14%	14%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ELECTRICITY - Inter-commodity Spread Rates						
MIDWEST ISO CINERGY HUB 5 MW OFF-PEAK CALENDAR MONTH REAL-TIME SWAP FUT (NY-H4- CME) vs MIDWEST ISO MICHIGAN HUB 5 MW OFF-PEAK CAL DA SWAP FUT (NY-HMO- CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
MIDWEST ISO CINERGY HUB 5 MW PEAK CAL DA SWAP FUT (NY-H5- CME) vs PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
MIDWEST ISO CINERGY HUB 5 MW PEAK CAL REAL-TIME SWAP FUT (NY-H3- CME) vs PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
MIDWEST ISO CINERGY HUB 5 MW PEAK CAL REAL-TIME SWAP FUT (NY-H3- CME) vs PJM PPL ZONE PEAK CAL DA LMP SWAP FUT (NY-L5- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
MIDWEST ISO CINERGY HUB 5MW OFF-PEAK CAL DA SWAP FUT (NY-K2- CME) vs MIDWEST ISO MICHIGAN HUB 5 MW OFF-PEAK CAL DA SWAP FUT (NY-HMO- CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
MIDWEST ISO INDIANA HUB 5 MW OFF-PEAK CAL DA SWAP FUT (NY-FDM- CME) vs MIDWEST ISO CINERGY HUB OFF-PEAK LMP SWAP FUT (NY-EJ- CME)						
Spread Credit Rate	Decrease	+202:-1	70%	70%	64%	64%
MIDWEST ISO MICHIGAN HUB 5 MW OFF-PEAK CAL DA SWAP FUT (NY-HMO- CME) vs MIDWEST ISO CINERGY HUB OFF-PEAK LMP SWAP FUT (NY-EJ- CME)						
Spread Credit Rate	Decrease	+202:-1	70%	70%	61%	61%
PJM AEP DAYTON HUB OFF-PEAK LMP SWAP FUT (NY-VP- CME) vs MIDWEST ISO CINERGY HUB OFF-PEAK LMP SWAP FUT (NY-EJ- CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
PJM AEP DAYTON HUB OFF-PEAK LMP SWAP FUT (NY-VP- CME) vs PJM NORTHERN ILLINOIS HUB OFF-PEAK LMP SWAP FUT (NY-UO- CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
PJM APS ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-W4- CME) vs PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME)						
Spread Credit Rate	Decrease	+16:-1	65%	65%	58%	58%
PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME) vs MIDWEST ISO CINERGY HUB OFF-PEAK LMP SWAP FUT (NY-EJ- CME)						
Spread Credit Rate	Decrease	+202:-1	70%	70%	64%	64%
PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME) vs PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	70%	70%
PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME) vs PJM PPL ZONE PEAK CAL DA LMP SWAP FUT (NY-L5- CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PJM JCPL ZONE OFF-PEAK CAL DA LMP SWAP FUT (NY-F2- CME) vs PJM PSEG ZONE PEAK CAL DA LMP SWAP FUT (NY-L6- CME)						
Spread Credit Rate	Decrease	+16:-1	75%	75%	70%	70%
PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME) vs PJM COMED ZONE 5 MW PEAK CAL DA LMP SWAP FUT (NY-D8- CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	58%	58%
PJM NORTHERN ILLINOIS HUB 5 MW PEAK CAL REAL-TIME LMP SWAP FUT (NY-B3- CME) vs PJM JCPL ZONE PEAK CAL DA LMP SWAP FUT (NY-J2- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
PJM NORTHERN ILLINOIS HUB 5 MW PEAK CAL REAL-TIME LMP SWAP FUT (NY-B3- CME) vs PJM PPL ZONE PEAK CAL DA LMP SWAP FUT (NY-L5- CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	64%	64%
PJM NORTHERN ILLINOIS HUB PEAK CAL DA LMP SWAP FUT (NY-N3- CME) vs MIDWEST ISO CINERGY HUB OFF-PEAK LMP SWAP FUT (NY-EJ- CME)						
Spread Credit Rate	Decrease	+13:-1	45%	45%	40%	40%
METALS - Inter-commodity Spread Rates						
IRON ORE 58% FE, LOW ALUMINA, CFR CHINA (TSI) FUTURES (NY-TIC - CME) vs IRON ORE FUTURES (NY-TIO - CME)						
Spread Credit Rate	New	+1:-1			30%	30%