



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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Tuesday, September 28, 2021

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

Wednesday, September 29, 2021.

Current rates as of:

Tuesday, September 28, 2021.

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

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
AUSTRALIAN WHEAT FUTURES (AUW)								
AUW	Spec		Increase	USD	935	850	990	900
AUW	Hedge/Member		Increase	USD	850	850	900	900
CASH STL SUNOIL FOB PLATTS FUT (BSF)								
BSF	Spec	Month 1	Increase	USD	3,025	2,750	3,300	3,000
BSF	Hedge/Member	Month 1	Increase	USD	2,750	2,750	3,000	3,000
BSF	Spec	Month 2+	Increase	USD	3,025	2,750	3,300	3,000
BSF	Hedge/Member	Month 2+	Increase	USD	2,750	2,750	3,000	3,000
DAP FOB NOLA FUTURES (DFN)								
DFN	Spec		Increase	USD	5,280	4,800	6,050	5,500
DFN	Hedge/Member		Increase	USD	4,800	4,800	5,500	5,500
MAP CFR BRAZIL FUTURES (MFC)								
MFC	Spec	Mnth 1	Increase	USD	4,500	4,500	5,000	5,000
MFC	Hedge/Member	Mnth 1	Increase	USD	4,500	4,500	5,000	5,000
MFC	Spec	Mnth 2+	Increase	USD	4,500	4,500	5,000	5,000
MFC	Hedge/Member	Mnth 2+	Increase	USD	4,500	4,500	5,000	5,000
UAN FOB NOLA FUTURES (UNO)								
UNO	Spec		Increase	USD	4,400	4,000	5,060	4,600
UNO	Hedge/Member		Increase	USD	4,000	4,000	4,600	4,600
UREA (GRANULAR) CFR BRAZIL FUTURES (UFB)								
UFB	Spec	Months 1-6	Increase	USD	5,500	5,000	6,050	5,500
UFB	Hedge/Member	Months 1-6	Increase	USD	5,000	5,000	5,500	5,500
UFB	Spec	Months 7+	Increase	USD	5,500	5,000	6,050	5,500
UFB	Hedge/Member	Months 7+	Increase	USD	5,000	5,000	5,500	5,500
UREA (GRANULAR) FOB EGYPT FUTURES (UFE)								
UFE	Spec		Increase	USD	5,280	4,800	7,150	6,500
UFE	Hedge/Member		Increase	USD	4,800	4,800	6,500	6,500
UREA (GRANULAR) FOB MIDDLE EAST FUT (UME)								
UME	Spec	Month 1	Increase	USD	5,170	4,700	6,270	5,700
UME	Hedge/Member	Month 1	Increase	USD	4,700	4,700	5,700	5,700
UME	Spec	Months 2+	Increase	USD	5,170	4,700	6,270	5,700
UME	Hedge/Member	Months 2+	Increase	USD	4,700	4,700	5,700	5,700
UREA (GRANULAR) FOB US GULF FUTURES (UFV)								
UFV	Spec	Months 1-6	Increase	USD	4,620	4,200	5,720	5,200
UFV	Hedge/Member	Months 1-6	Increase	USD	4,200	4,200	5,200	5,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
UFV	Spec	Months 7+	Increase	USD	4,620	4,200	5,720	5,200
UFV	Hedge/Member	Months 7+	Increase	USD	4,200	4,200	5,200	5,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

ELECTRICITY - Outright Rates

GERMAN POWER BASELOAD CAL MONTH FUT (DEB)

DEB	Spec	Mnth 1	Increase	EUR	19,250	17,500	23,100	21,000
DEB	Hedge/Member	Mnth 1	Increase	EUR	17,500	17,500	21,000	21,000
DEB	Spec	Mnth 2	Increase	EUR	19,250	17,500	23,100	21,000
DEB	Hedge/Member	Mnth 2	Increase	EUR	17,500	17,500	21,000	21,000
DEB	Spec	Mnth 3	Increase	EUR	19,250	17,500	23,100	21,000
DEB	Hedge/Member	Mnth 3	Increase	EUR	17,500	17,500	21,000	21,000
DEB	Spec	Mnths 4-9	Increase	EUR	19,250	17,500	23,100	21,000
DEB	Hedge/Member	Mnths 4-9	Increase	EUR	17,500	17,500	21,000	21,000
DEB	Spec	Mnths 10+	Increase	EUR	5,225	4,750	7,700	7,000
DEB	Hedge/Member	Mnths 10+	Increase	EUR	4,750	4,750	7,000	7,000

GERMAN POWER PEAKLOAD CAL MONTH FUT (DEP)

DEP	Spec	Mnth 1	Increase	EUR	6,600	6,000	8,250	7,500
DEP	Hedge/Member	Mnth 1	Increase	EUR	6,000	6,000	7,500	7,500
DEP	Spec	Mnth 2	Increase	EUR	5,720	5,200	7,370	6,700
DEP	Hedge/Member	Mnth 2	Increase	EUR	5,200	5,200	6,700	6,700
DEP	Spec	Mnth 3	Increase	EUR	5,500	5,000	7,150	6,500
DEP	Hedge/Member	Mnth 3	Increase	EUR	5,000	5,000	6,500	6,500
DEP	Spec	Mnths 4-9	Increase	EUR	5,060	4,600	6,600	6,000
DEP	Hedge/Member	Mnths 4-9	Increase	EUR	4,600	4,600	6,000	6,000
DEP	Spec	Mnths 10+	Increase	EUR	1,540	1,400	2,200	2,000
DEP	Hedge/Member	Mnths 10+	Increase	EUR	1,400	1,400	2,000	2,000

NEPOOL INTR HUB 5MW D AH O PK (H2)

H2	Spec	Mnth 1	Increase	USD	50	45	61	55
H2	Hedge/Member	Mnth 1	Increase	USD	45	45	55	55
H2	Spec	Mnth 2	Increase	USD	44	40	55	50
H2	Hedge/Member	Mnth 2	Increase	USD	40	40	50	50
H2	Spec	Mnths 3-4	Increase	USD	39	35	50	45
H2	Hedge/Member	Mnths 3-4	Increase	USD	35	35	45	45
H2	Spec	Mnths 5-11	Increase	USD	22	20	30	27
H2	Hedge/Member	Mnths 5-11	Increase	USD	20	20	27	27
H2	Spec	Mnths 12+	Increase	USD	20	18	28	25
H2	Hedge/Member	Mnths 12+	Increase	USD	18	18	25	25

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NEPOOL INTR HUB 5MW D AH PK (U6)								
U6	Spec	Month 2	Increase	USD	880	800	990	900
U6	Hedge/Member	Month 2	Increase	USD	800	800	900	900
U6	Spec	Mnths 3-5	Increase	USD	715	650	880	800
U6	Hedge/Member	Mnths 3-5	Increase	USD	650	650	800	800
U6	Spec	Mnths 6-11	Increase	USD	385	350	440	400
U6	Hedge/Member	Mnths 6-11	Increase	USD	350	350	400	400
NYISO ZONE G 5MW D AH PK (T3)								
T3	Spec	Mnth 1	Increase	USD	935	850	990	900
T3	Hedge/Member	Mnth 1	Increase	USD	850	850	900	900
T3	Spec	Mnth 2	Increase	USD	770	700	880	800
T3	Hedge/Member	Mnth 2	Increase	USD	700	700	800	800
T3	Spec	Mnths 3-4	Increase	USD	605	550	715	650
T3	Hedge/Member	Mnths 3-4	Increase	USD	550	550	650	650
T3	Spec	Mnths 5-11	Increase	USD	605	550	715	650
T3	Hedge/Member	Mnths 5-11	Increase	USD	550	550	650	650
PJM AD HUB 5MW REAL TIME PK (Z9)								
Z9	Spec	Mnth 1	Increase	USD	440	400	550	500
Z9	Hedge/Member	Mnth 1	Increase	USD	400	400	500	500
Z9	Spec	Mnth 2	Increase	USD	330	300	440	400
Z9	Hedge/Member	Mnth 2	Increase	USD	300	300	400	400
Z9	Spec	Mnths 3-4	Increase	USD	286	260	396	360
Z9	Hedge/Member	Mnths 3-4	Increase	USD	260	260	360	360
Z9	Spec	Mnths 5-11	Increase	USD	264	240	374	340
Z9	Hedge/Member	Mnths 5-11	Increase	USD	240	240	340	340
PJM DAYTON DA PEAK (D7)								
D7	Spec	Mnth 1	Increase	USD	457	415	567	515
D7	Hedge/Member	Mnth 1	Increase	USD	415	415	515	515
D7	Spec	Mnth 2	Increase	USD	369	335	479	435
D7	Hedge/Member	Mnth 2	Increase	USD	335	335	435	435
D7	Spec	Mnths 3-4	Increase	USD	297	270	407	370
D7	Hedge/Member	Mnths 3-4	Increase	USD	270	270	370	370
D7	Spec	Mnths 5-11	Increase	USD	275	250	385	350
D7	Hedge/Member	Mnths 5-11	Increase	USD	250	250	350	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PJM NI HUB 5MW REAL TIME PK (B3)								
B3	Spec	Mnth 1	Increase	USD	385	350	440	400
B3	Hedge/Member	Mnth 1	Increase	USD	350	350	400	400
B3	Spec	Mnth 2	Increase	USD	330	300	385	350
B3	Hedge/Member	Mnth 2	Increase	USD	300	300	350	350
B3	Spec	Mnths 3-4	Increase	USD	275	250	330	300
B3	Hedge/Member	Mnths 3-4	Increase	USD	250	250	300	300
PJM NILL DA PEAK (N3)								
N3	Spec	Mnth 1	Increase	USD	413	375	468	425
N3	Hedge/Member	Mnth 1	Increase	USD	375	375	425	425
N3	Spec	Mnth 2	Increase	USD	347	315	402	365
N3	Hedge/Member	Mnth 2	Increase	USD	315	315	365	365
N3	Spec	Mnths 3-4	Increase	USD	286	260	341	310
N3	Hedge/Member	Mnths 3-4	Increase	USD	260	260	310	310
PJM WES HUB PEAK CAL MON REAL TIME (L1)								
L1	Spec	Mth 1	Increase	USD	682	620	770	700
L1	Hedge/Member	Mth 1	Increase	USD	620	620	700	700
L1	Spec	Mnth 2	Increase	USD	550	500	715	650
L1	Hedge/Member	Mnth 2	Increase	USD	500	500	650	650
L1	Spec	Mnths 3-5	Increase	USD	495	450	660	600
L1	Hedge/Member	Mnths 3-5	Increase	USD	450	450	600	600
L1	Spec	Mnths 6-11	Increase	USD	275	250	385	350
L1	Hedge/Member	Mnths 6-11	Increase	USD	250	250	350	350
PJM WES HUB PEAK LMP 50 MW (4S)								
4S	Spec	Mth 1	Increase	USD	6,820	6,200	7,700	7,000
4S	Hedge/Member	Mth 1	Increase	USD	6,200	6,200	7,000	7,000
4S	Spec	Mnth 2	Increase	USD	5,500	5,000	7,150	6,500
4S	Hedge/Member	Mnth 2	Increase	USD	5,000	5,000	6,500	6,500
4S	Spec	Mnths 3-5	Increase	USD	4,950	4,500	6,600	6,000
4S	Hedge/Member	Mnths 3-5	Increase	USD	4,500	4,500	6,000	6,000
4S	Spec	Mnths 6-11	Increase	USD	2,750	2,500	3,850	3,500
4S	Hedge/Member	Mnths 6-11	Increase	USD	2,500	2,500	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PJM WESTH DA OFF-PEAK (E4)

E4	Spec	Mnth 1	Increase	USD	34	31	45	41
E4	Hedge/Member	Mnth 1	Increase	USD	31	31	41	41
E4	Spec	Mnth 2	Increase	USD	29	26	40	36
E4	Hedge/Member	Mnth 2	Increase	USD	26	26	36	36
E4	Spec	Mnths 3-4	Increase	USD	25	23	34	31
E4	Hedge/Member	Mnths 3-4	Increase	USD	23	23	31	31
E4	Spec	Mnths 5-11	Increase	USD	21	19	29	26
E4	Hedge/Member	Mnths 5-11	Increase	USD	19	19	26	26

PJM WESTH RT OFF-PEAK (N9)

N9	Spec	Mnth 1	Increase	USD	33	30	44	40
N9	Hedge/Member	Mnth 1	Increase	USD	30	30	40	40
N9	Spec	Mnth 2	Increase	USD	28	25	39	35
N9	Hedge/Member	Mnth 2	Increase	USD	25	25	35	35
N9	Spec	Mnths 3-4	Increase	USD	24	22	33	30
N9	Hedge/Member	Mnths 3-4	Increase	USD	22	22	30	30
N9	Spec	Mnths 5-11	Increase	USD	20	18	28	25
N9	Hedge/Member	Mnths 5-11	Increase	USD	18	18	25	25

PJM WESTHDA PEAK (J4)

J4	Spec	Mnth 1	Increase	USD	715	650	803	730
J4	Hedge/Member	Mnth 1	Increase	USD	650	650	730	730
J4	Spec	Mnth 2	Increase	USD	567	515	732	665
J4	Hedge/Member	Mnth 2	Increase	USD	515	515	665	665
J4	Spec	Mnths 3-5	Increase	USD	506	460	671	610
J4	Hedge/Member	Mnths 3-5	Increase	USD	460	460	610	610
J4	Spec	Mnths 6-11	Increase	USD	286	260	396	360
J4	Hedge/Member	Mnths 6-11	Increase	USD	260	260	360	360

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

METALS - Outright Rates

COMEX 100 GOLD FUTURES (GC)

GC	Spec	Mnth1	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth1	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth2	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth2	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth3	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth3	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth4	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth4	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth5	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth5	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth6	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth6	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth7	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth7	Decrease	USD	8,250	8,250	7,500	7,500
GC	Spec	Mnth8+	Decrease	USD	9,075	8,250	8,250	7,500
GC	Hedge/Member	Mnth8+	Decrease	USD	8,250	8,250	7,500	7,500

COMEX 100 GOLD TRADE AT SETTLEMENT (GCT)

GCT	Spec	Mnth1	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth1	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth2	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth2	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth3	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth3	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth4	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth4	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth5	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth5	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth6	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth6	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth7	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth7	Decrease	USD	8,250	8,250	7,500	7,500
GCT	Spec	Mnth8+	Decrease	USD	9,075	8,250	8,250	7,500
GCT	Hedge/Member	Mnth8+	Decrease	USD	8,250	8,250	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								

COMEX 5000 SILVER FUTURES (SI)

SI	Spec	Mnth1	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth1	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth2	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth2	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth3	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth3	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth4	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth4	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth5	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth5	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth6	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth6	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth7	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth7	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth8	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth8	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth9	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth9	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth10	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth10	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth11	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth11	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth12	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth12	Decrease	USD	13,500	13,500	12,500	12,500
SI	Spec	Mnth13+	Decrease	USD	14,850	13,500	13,750	12,500
SI	Hedge/Member	Mnth13+	Decrease	USD	13,500	13,500	12,500	12,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX 5000 SILVER TRADE AT SETTLE (SIT)

SIT	Spec	Mnth1	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth1	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth2	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth2	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth3	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth3	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth4	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth4	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth5	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth5	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth6	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth6	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth7	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth7	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth8	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth8	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth9	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth9	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth10	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth10	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth11	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth11	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth12	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth12	Decrease	USD	13,500	13,500	12,500	12,500
SIT	Spec	Mnth13+	Decrease	USD	14,850	13,500	13,750	12,500
SIT	Hedge/Member	Mnth13+	Decrease	USD	13,500	13,500	12,500	12,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX MINY SILVER FUTURES (QI)

QI	Spec	Mnth1	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth1	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth2	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth2	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth3	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth3	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth4	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth4	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth5	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth5	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth6	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth6	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth7	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth7	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth8	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth8	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth9	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth9	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth10	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth10	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth11	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth11	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth12	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth12	Decrease	USD	6,750	6,750	6,250	6,250
QI	Spec	Mnth13+	Decrease	USD	7,425	6,750	6,875	6,250
QI	Hedge/Member	Mnth13+	Decrease	USD	6,750	6,750	6,250	6,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

E-MINI GOLD FUTURES (QO)

QO	Spec	Mnth1	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth1	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth2	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth2	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth3	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth3	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth4	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth4	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth5	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth5	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth6	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth6	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth7	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth7	Decrease	USD	4,125	4,125	3,750	3,750
QO	Spec	Mnth8+	Decrease	USD	4,538	4,125	4,125	3,750
QO	Hedge/Member	Mnth8+	Decrease	USD	4,125	4,125	3,750	3,750

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	Mnth1	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth1	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth2	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth2	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth3	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth3	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth4	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth4	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth5	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth5	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth6	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth6	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth7	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth7	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth8	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth8	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth9	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth9	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth10	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth10	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth11	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth11	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth12	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth12	Decrease	USD	2,700	2,700	2,500	2,500
6Q	Spec	Mnth13+	Decrease	USD	2,970	2,700	2,750	2,500
6Q	Hedge/Member	Mnth13+	Decrease	USD	2,700	2,700	2,500	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GOLD (ENHANCED DELIVERY) FUTURES (4GC)								
4GC	Spec	Mnth1	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth1	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth2	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth2	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth3	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth3	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth4	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth4	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth5	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth5	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth6	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth6	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth7	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth7	Decrease	USD	8,250	8,250	7,500	7,500
4GC	Spec	Mnth8+	Decrease	USD	9,075	8,250	8,250	7,500
4GC	Hedge/Member	Mnth8+	Decrease	USD	8,250	8,250	7,500	7,500
GOLD LONDON TAM FIRST PM (GCD)								
GCD	Spec	Mnth1	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth1	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth2	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth2	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth3	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth3	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth4	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth4	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth5	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth5	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth6	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth6	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth7	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth7	Decrease	USD	8,250	8,250	7,500	7,500
GCD	Spec	Mnth8+	Decrease	USD	9,075	8,250	8,250	7,500
GCD	Hedge/Member	Mnth8+	Decrease	USD	8,250	8,250	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								
MICRO GOLD FUTURES (MGC)								
MGC	Spec	Mnth1	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth1	Decrease	USD	825	825	750	750
MGC	Spec	Mnth2	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth2	Decrease	USD	825	825	750	750
MGC	Spec	Mnth3	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth3	Decrease	USD	825	825	750	750
MGC	Spec	Mnth4	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth4	Decrease	USD	825	825	750	750
MGC	Spec	Mnth5	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth5	Decrease	USD	825	825	750	750
MGC	Spec	Mnth6	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth6	Decrease	USD	825	825	750	750
MGC	Spec	Mnth7	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth7	Decrease	USD	825	825	750	750
MGC	Spec	Mnth8+	Decrease	USD	908	825	825	750
MGC	Hedge/Member	Mnth8+	Decrease	USD	825	825	750	750
MICRO GOLD TAS (MGT)								
MGT	Spec	Mnth1	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth1	Decrease	USD	825	825	750	750
MGT	Spec	Mnth2	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth2	Decrease	USD	825	825	750	750
MGT	Spec	Mnth3	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth3	Decrease	USD	825	825	750	750
MGT	Spec	Mnth4	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth4	Decrease	USD	825	825	750	750
MGT	Spec	Mnth5	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth5	Decrease	USD	825	825	750	750
MGT	Spec	Mnth6	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth6	Decrease	USD	825	825	750	750
MGT	Spec	Mnth7	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth7	Decrease	USD	825	825	750	750
MGT	Spec	Mnth8+	Decrease	USD	908	825	825	750
MGT	Hedge/Member	Mnth8+	Decrease	USD	825	825	750	750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

MICRO SILVER FUTURES (SIL)

SIL	Spec	Mnth1	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth1	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth2	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth2	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth3	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth3	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth4	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth4	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth5	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth5	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth6	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth6	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth7	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth7	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth8	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth8	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth9	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth9	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth10	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth10	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth11	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth11	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth12	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth12	Decrease	USD	2,700	2,700	2,500	2,500
SIL	Spec	Mnth13+	Decrease	USD	2,970	2,700	2,750	2,500
SIL	Hedge/Member	Mnth13+	Decrease	USD	2,700	2,700	2,500	2,500

UXC URANIUM U3O8 FUTURES (UX)

UX	Spec		Increase	USD	792	720	963	875
UX	Hedge/Member		Increase	USD	720	720	875	875

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

DUTCH TTF NAT GAS FIN M-1 AVG PRC (TTB)

TTB	Spec	Mnth 1	Increase	USD	49,390	44,900	59,290	53,900
TTB	Hedge/Member	Mnth 1	Increase	USD	44,900	44,900	53,900	53,900
TTB	Spec	Mnths 2	Increase	USD	46,860	42,600	56,100	51,000
TTB	Hedge/Member	Mnths 2	Increase	USD	42,600	42,600	51,000	51,000
TTB	Spec	Mnths 3	Increase	USD	45,320	41,200	53,900	49,000
TTB	Hedge/Member	Mnths 3	Increase	USD	41,200	41,200	49,000	49,000
TTB	Spec	Mnths 4-6	Increase	USD	45,320	41,200	53,900	49,000
TTB	Hedge/Member	Mnths 4-6	Increase	USD	41,200	41,200	49,000	49,000
TTB	Spec	Mnths 7-14	Increase	USD	11,000	10,000	15,400	14,000
TTB	Hedge/Member	Mnths 7-14	Increase	USD	10,000	10,000	14,000	14,000
TTB	Spec	Mnths 15+	Increase	USD	8,360	7,600	11,000	10,000
TTB	Hedge/Member	Mnths 15+	Increase	USD	7,600	7,600	10,000	10,000

DUTCH TTF NATURAL GAS CAL MONTH FUT (TTF)

TTF	Spec	Mnth 1	Increase	EUR	10,560	9,600	12,650	11,500
TTF	Hedge/Member	Mnth 1	Increase	EUR	9,600	9,600	11,500	11,500
TTF	Spec	Mnth 2	Increase	EUR	10,010	9,100	11,990	10,900
TTF	Hedge/Member	Mnth 2	Increase	EUR	9,100	9,100	10,900	10,900
TTF	Spec	Mnth 3	Increase	EUR	9,680	8,800	11,550	10,500
TTF	Hedge/Member	Mnth 3	Increase	EUR	8,800	8,800	10,500	10,500
TTF	Spec	Mnths 4-6	Increase	EUR	9,680	8,800	11,550	10,500
TTF	Hedge/Member	Mnths 4-6	Increase	EUR	8,800	8,800	10,500	10,500
TTF	Spec	Mnths 7-14	Increase	EUR	2,420	2,200	3,520	3,200
TTF	Hedge/Member	Mnths 7-14	Increase	EUR	2,200	2,200	3,200	3,200
TTF	Spec	Mnth 15+	Increase	EUR	1,760	1,600	2,530	2,300
TTF	Hedge/Member	Mnth 15+	Increase	EUR	1,600	1,600	2,300	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
DUTCH TTF NATURAL GAS FIN CAL M (TTG)								
TTG	Spec	Mnth 1	Increase	EUR	10,560	9,600	12,650	11,500
TTG	Hedge/Member	Mnth 1	Increase	EUR	9,600	9,600	11,500	11,500
TTG	Spec	Mnth 2	Increase	EUR	10,010	9,100	11,990	10,900
TTG	Hedge/Member	Mnth 2	Increase	EUR	9,100	9,100	10,900	10,900
TTG	Spec	Mnth 3	Increase	EUR	9,680	8,800	11,550	10,500
TTG	Hedge/Member	Mnth 3	Increase	EUR	8,800	8,800	10,500	10,500
TTG	Spec	Mnths 4-6	Increase	EUR	9,680	8,800	11,550	10,500
TTG	Hedge/Member	Mnths 4-6	Increase	EUR	8,800	8,800	10,500	10,500
TTG	Spec	Mnths 7-14	Increase	EUR	2,420	2,200	3,520	3,200
TTG	Hedge/Member	Mnths 7-14	Increase	EUR	2,200	2,200	3,200	3,200
TTG	Spec	Mnth 15+	Increase	EUR	1,760	1,600	2,530	2,300
TTG	Hedge/Member	Mnth 15+	Increase	EUR	1,600	1,600	2,300	2,300
DUTCH TTF NATURAL GAS FIN DAY AHEAD (TTI)								
TTI	Spec	Mnth 1	Increase	EUR	10,560	9,600	12,650	11,500
TTI	Hedge/Member	Mnth 1	Increase	EUR	9,600	9,600	11,500	11,500
TTI	Spec	Mnth 2	Increase	EUR	10,010	9,100	11,990	10,900
TTI	Hedge/Member	Mnth 2	Increase	EUR	9,100	9,100	10,900	10,900
TTI	Spec	Mnth 3	Increase	EUR	9,680	8,800	11,550	10,500
TTI	Hedge/Member	Mnth 3	Increase	EUR	8,800	8,800	10,500	10,500
TTI	Spec	Mnths 4-6	Increase	EUR	9,680	8,800	11,550	10,500
TTI	Hedge/Member	Mnths 4-6	Increase	EUR	8,800	8,800	10,500	10,500
TTI	Spec	Mnths 7-14	Increase	EUR	2,420	2,200	3,520	3,200
TTI	Hedge/Member	Mnths 7-14	Increase	EUR	2,200	2,200	3,200	3,200
TTI	Spec	Mnth 15+	Increase	EUR	1,760	1,600	2,530	2,300
TTI	Hedge/Member	Mnth 15+	Increase	EUR	1,600	1,600	2,300	2,300
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Spec	Mnth 1	Increase	USD	49,390	44,900	59,290	53,900
TTE	Hedge/Member	Mnth 1	Increase	USD	44,900	44,900	53,900	53,900
TTE	Spec	Mnths 2	Increase	USD	46,860	42,600	56,100	51,000
TTE	Hedge/Member	Mnths 2	Increase	USD	42,600	42,600	51,000	51,000
TTE	Spec	Mnths 3	Increase	USD	45,320	41,200	53,900	49,000
TTE	Hedge/Member	Mnths 3	Increase	USD	41,200	41,200	49,000	49,000
TTE	Spec	Mnths 4-6	Increase	USD	45,320	41,200	53,900	49,000
TTE	Hedge/Member	Mnths 4-6	Increase	USD	41,200	41,200	49,000	49,000
TTE	Spec	Mnths 7-14	Increase	USD	11,000	10,000	15,400	14,000
TTE	Hedge/Member	Mnths 7-14	Increase	USD	10,000	10,000	14,000	14,000
TTE	Spec	Mnths 15+	Increase	USD	8,360	7,600	11,000	10,000
TTE	Hedge/Member	Mnths 15+	Increase	USD	7,600	7,600	10,000	10,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

LNG JAPAN KOREA MARKER PLATTS FUT (JKM)

JKM	Spec	Month 1	Increase	USD	48,400	44,000	55,000	50,000
JKM	Hedge/Member	Month 1	Increase	USD	44,000	44,000	50,000	50,000
JKM	Spec	Month 2	Increase	USD	48,400	44,000	55,000	50,000
JKM	Hedge/Member	Month 2	Increase	USD	44,000	44,000	50,000	50,000
JKM	Spec	Month 3	Increase	USD	47,300	43,000	53,900	49,000
JKM	Hedge/Member	Month 3	Increase	USD	43,000	43,000	49,000	49,000
JKM	Spec	Mnths 4	Increase	USD	47,300	43,000	53,900	49,000
JKM	Hedge/Member	Mnths 4	Increase	USD	43,000	43,000	49,000	49,000
JKM	Spec	Mnths 5	Increase	USD	47,300	43,000	53,900	49,000
JKM	Hedge/Member	Mnths 5	Increase	USD	43,000	43,000	49,000	49,000
JKM	Spec	Mnths 12+	Increase	USD	8,800	8,000	11,000	10,000
JKM	Hedge/Member	Mnths 12+	Increase	USD	8,000	8,000	10,000	10,000
JKM	Spec	Months 6-11	Increase	USD	14,520	13,200	18,700	17,000
JKM	Hedge/Member	Months 6-11	Increase	USD	13,200	13,200	17,000	17,000

LNG JAPAN KOREA MRK YEN FUT (JKY)

JKY	Spec	Month 1	Increase	JPY	5,280,000	4,800,000	6,050,000	5,500,000
JKY	Hedge/Member	Month 1	Increase	JPY	4,800,000	4,800,000	5,500,000	5,500,000
JKY	Spec	Month 2	Increase	JPY	5,280,000	4,800,000	6,050,000	5,500,000
JKY	Hedge/Member	Month 2	Increase	JPY	4,800,000	4,800,000	5,500,000	5,500,000
JKY	Spec	Month 3	Increase	JPY	5,170,000	4,700,000	5,940,000	5,400,000
JKY	Hedge/Member	Month 3	Increase	JPY	4,700,000	4,700,000	5,400,000	5,400,000
JKY	Spec	Mnths 4-5	Increase	JPY	5,170,000	4,700,000	5,940,000	5,400,000
JKY	Hedge/Member	Mnths 4-5	Increase	JPY	4,700,000	4,700,000	5,400,000	5,400,000
JKY	Spec	Mnths 6-7	Increase	JPY	1,595,000	1,450,000	2,090,000	1,900,000
JKY	Hedge/Member	Mnths 6-7	Increase	JPY	1,450,000	1,450,000	1,900,000	1,900,000
JKY	Spec	Mnths 8-11	Increase	JPY	1,595,000	1,450,000	2,090,000	1,900,000
JKY	Hedge/Member	Mnths 8-11	Increase	JPY	1,450,000	1,450,000	1,900,000	1,900,000
JKY	Spec	Mnths 12+	Increase	JPY	990,000	900,000	1,320,000	1,200,000
JKY	Hedge/Member	Mnths 12+	Increase	JPY	900,000	900,000	1,200,000	1,200,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
LNG JAPAN/KOREA MARKER (PLATTS) BAC (JKB)								
JKB	Spec	Month 1	Increase	USD	48,400	44,000	55,000	50,000
JKB	Hedge/Member	Month 1	Increase	USD	44,000	44,000	50,000	50,000
JKB	Spec	Month 2	Increase	USD	48,400	44,000	55,000	50,000
JKB	Hedge/Member	Month 2	Increase	USD	44,000	44,000	50,000	50,000
JKB	Spec	Month 3-4	Increase	USD	47,300	43,000	53,900	49,000
JKB	Hedge/Member	Month 3-4	Increase	USD	43,000	43,000	49,000	49,000
JKB	Spec	Mnths 5	Increase	USD	47,300	43,000	53,900	49,000
JKB	Hedge/Member	Mnths 5	Increase	USD	43,000	43,000	49,000	49,000
JKB	Spec	Mnths 6-11	Increase	USD	14,520	13,200	18,700	17,000
JKB	Hedge/Member	Mnths 6-11	Increase	USD	13,200	13,200	17,000	17,000
JKB	Spec	Mnths 12+	Increase	USD	8,800	8,000	11,000	10,000
JKB	Hedge/Member	Mnths 12+	Increase	USD	8,000	8,000	10,000	10,000
LNG JAPAN/KOREA MARKER (PLATTS) FRO (JKF)								
JKF	Spec	Month 1	Increase	USD	48,400	44,000	55,000	50,000
JKF	Hedge/Member	Month 1	Increase	USD	44,000	44,000	50,000	50,000
JKF	Spec	Month 2	Increase	USD	48,400	44,000	55,000	50,000
JKF	Hedge/Member	Month 2	Increase	USD	44,000	44,000	50,000	50,000
JKF	Spec	Month 3-4	Increase	USD	47,300	43,000	53,900	49,000
JKF	Hedge/Member	Month 3-4	Increase	USD	43,000	43,000	49,000	49,000
JKF	Spec	Mnths 5	Increase	USD	47,300	43,000	53,900	49,000
JKF	Hedge/Member	Mnths 5	Increase	USD	43,000	43,000	49,000	49,000
JKF	Spec	Mnths 6-11	Increase	USD	14,520	13,200	18,700	17,000
JKF	Hedge/Member	Mnths 6-11	Increase	USD	13,200	13,200	17,000	17,000
JKF	Spec	Mnths 12	Increase	USD	8,800	8,000	11,000	10,000
JKF	Hedge/Member	Mnths 12	Increase	USD	8,000	8,000	10,000	10,000
UK NBP NAT GAS CAL MTH FUT (UKG)								
UKG	Spec	Mnth 1	Increase	GBP	9,900	9,000	11,880	10,800
UKG	Hedge/Member	Mnth 1	Increase	GBP	9,000	9,000	10,800	10,800
UKG	Spec	Mnth 2	Increase	GBP	9,130	8,300	10,890	9,900
UKG	Hedge/Member	Mnth 2	Increase	GBP	8,300	8,300	9,900	9,900
UKG	Spec	Mnth 3	Increase	GBP	8,690	7,900	10,450	9,500
UKG	Hedge/Member	Mnth 3	Increase	GBP	7,900	7,900	9,500	9,500
UKG	Spec	Mnths 4-9	Increase	GBP	7,590	6,900	10,340	9,400
UKG	Hedge/Member	Mnths 4-9	Increase	GBP	6,900	6,900	9,400	9,400
UKG	Spec	Mnths 10+	Increase	GBP	2,475	2,250	3,520	3,200
UKG	Hedge/Member	Mnths 10+	Increase	GBP	2,250	2,250	3,200	3,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

UK NBP NATURAL GAS FRONT MTH FUT (NBP)

NBP	Spec	Mnth 1	Increase	USD	43,450	39,500	52,470	47,700
NBP	Hedge/Member	Mnth 1	Increase	USD	39,500	39,500	47,700	47,700
NBP	Spec	Mnths 2	Increase	USD	40,150	36,500	48,070	43,700
NBP	Hedge/Member	Mnths 2	Increase	USD	36,500	36,500	43,700	43,700
NBP	Spec	Mnths 3+	Increase	USD	33,330	30,300	46,200	42,000
NBP	Hedge/Member	Mnths 3+	Increase	USD	30,300	30,300	42,000	42,000

PETROLEUM CRACKS AND SPREADS - Outright Rates

ARGUS PROPANE FAR EAST INDEX VS. JA (3NA)

3NA	Spec	Mnth 1	Decrease	USD	39,600	36,000	30,800	28,000
3NA	Hedge/Member	Mnth 1	Decrease	USD	36,000	36,000	28,000	28,000
3NA	Spec	Mnth 2	Decrease	USD	39,600	36,000	30,800	28,000
3NA	Hedge/Member	Mnth 2	Decrease	USD	36,000	36,000	28,000	28,000
3NA	Spec	Mnths 3+	Decrease	USD	33,000	30,000	27,500	25,000
3NA	Hedge/Member	Mnths 3+	Decrease	USD	30,000	30,000	25,000	25,000

REFINED PRODUCTS - Outright Rates

ARG PRPNE FAR EAST IDX V JAP BALMO (3NB)

3NB	Spec		Increase	USD	37,400	34,000	38,500	35,000
3NB	Hedge/Member		Increase	USD	34,000	34,000	35,000	35,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
(DAP FOB NOLA FUTURES)								
DFN	Spec		Increase	USD	2,750	2,500	3,300	3,000
DFN	Hedge/Member		Increase	USD	2,500	2,500	3,000	3,000
(UAN FOB NOLA FUTURES)								
UNO	Spec		Increase	USD	2,530	2,300	3,300	3,000
UNO	Hedge/Member		Increase	USD	2,300	2,300	3,000	3,000
(UREA (GRANULAR) FOB EGYPT FUTURES)								
UFE	Spec		Increase	USD	2,860	2,600	3,300	3,000
UFE	Hedge/Member		Increase	USD	2,600	2,600	3,000	3,000
(UREA (GRANULAR) FOB US GULF FUTURES)								
UFV	Spec		Increase	USD	2,860	2,600	3,300	3,000
UFV	Hedge/Member		Increase	USD	2,600	2,600	3,000	3,000
Intra - All Months (MAP CFR BRAZIL FUTURES)								
MFC	Spec		Increase	USD	3,500	3,500	4,000	4,000
MFC	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
Intra Spreads								

ELECTRICITY - Intra Spreads

German Power Baseload Calendar month futures - Months 1 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,240	8,400	12,980	11,800
DEB	Hedge/Member	Increase	EUR	8,400	8,400	11,800	11,800

German Power Baseload Calendar month futures - Months 1 vs 2 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	11,000	10,000	15,400	14,000
DEB	Hedge/Member	Increase	EUR	10,000	10,000	14,000	14,000

German Power Baseload Calendar month futures - Months 1 vs 3 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	10,560	9,600	14,850	13,500
DEB	Hedge/Member	Increase	EUR	9,600	9,600	13,500	13,500

German Power Baseload Calendar month futures - Months 1 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	10,560	9,600	14,850	13,500
DEB	Hedge/Member	Increase	EUR	9,600	9,600	13,500	13,500

German Power Baseload Calendar month futures - Months 10+ vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

German Power Baseload Calendar month futures - Months 2 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

German Power Baseload Calendar month futures - Months 2 vs 3 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

German Power Baseload Calendar month futures - Months 2 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

German Power Baseload Calendar month futures - Months 3 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

German Power Baseload Calendar month futures - Months 3 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)

DEB	Spec	Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member	Increase	EUR	8,800	8,800	12,400	12,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
German Power Baseload Calendar month futures - Months 4-9 vs 10+ (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member		Increase	EUR	8,800	8,800	12,400	12,400
German Power Baseload Calendar month futures - Months 4-9 vs 4-9 (GERMAN POWER BASELOAD CAL MONTH FUT)								
DEB	Spec		Increase	EUR	9,680	8,800	13,640	12,400
DEB	Hedge/Member		Increase	EUR	8,800	8,800	12,400	12,400
German Power Peakload Calendar month futures – Months 1 vs 10+ (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,640	2,400	3,740	3,400
DEP	Hedge/Member		Increase	EUR	2,400	2,400	3,400	3,400
German Power Peakload Calendar month futures – Months 1 vs 2 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	3,300	3,000	4,620	4,200
DEP	Hedge/Member		Increase	EUR	3,000	3,000	4,200	4,200
German Power Peakload Calendar month futures – Months 1 vs 3 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,640	2,400	3,740	3,400
DEP	Hedge/Member		Increase	EUR	2,400	2,400	3,400	3,400
German Power Peakload Calendar month futures – Months 1 vs 4-9 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,640	2,400	3,740	3,400
DEP	Hedge/Member		Increase	EUR	2,400	2,400	3,400	3,400
German Power Peakload Calendar month futures – Months 10+ vs 10+ (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	1,320	1,200	1,870	1,700
DEP	Hedge/Member		Increase	EUR	1,200	1,200	1,700	1,700
German Power Peakload Calendar month futures – Months 2 vs 10+ (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,860	2,600	4,070	3,700
DEP	Hedge/Member		Increase	EUR	2,600	2,600	3,700	3,700
German Power Peakload Calendar month futures – Months 2 vs 3 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,200	2,000	3,080	2,800
DEP	Hedge/Member		Increase	EUR	2,000	2,000	2,800	2,800
German Power Peakload Calendar month futures – Months 2 vs 4-9 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,420	2,200	3,410	3,100
DEP	Hedge/Member		Increase	EUR	2,200	2,200	3,100	3,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
German Power Peakload Calendar month futures – Months 3 vs 10+ (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,640	2,400	3,740	3,400
DEP	Hedge/Member		Increase	EUR	2,400	2,400	3,400	3,400
German Power Peakload Calendar month futures – Months 3 vs 4-9 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,420	2,200	3,410	3,100
DEP	Hedge/Member		Increase	EUR	2,200	2,200	3,100	3,100
German Power Peakload Calendar month futures – Months 4-9 vs 10+ (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	1,980	1,800	2,860	2,600
DEP	Hedge/Member		Increase	EUR	1,800	1,800	2,600	2,600
German Power Peakload Calendar month futures – Months 4-9 vs 4-9 (GERMAN POWER PEAKLOAD CAL MONTH FUT)								
DEP	Spec		Increase	EUR	2,200	2,000	3,080	2,800
DEP	Hedge/Member		Increase	EUR	2,000	2,000	2,800	2,800
NEPOOL INTER HUB 5MW DAY AHEAD OFF PEAK - All Months (NEPOOL INTR HUB 5MW D AH O PK)								
H2	Spec		Increase	USD	22	20	33	30
H2	Hedge/Member		Increase	USD	20	20	30	30
NEPOOL INTER HUB 5MW DAY AHEAD PEAK - All Months (NEPOOL INTR HUB 5MW D AH PK)								
U6	Spec		Increase	USD	440	400	550	500
U6	Hedge/Member		Increase	USD	400	400	500	500
NYISO Zone G Peak Monthly Swap - All Months (NYISO ZONE G 5MW D AH PK)								
T3	Spec		Increase	USD	605	550	715	650
T3	Hedge/Member		Increase	USD	550	550	650	650
PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK CAL MON REAL TIME)								
L1	Spec		Increase	USD	275	250	330	300
L1	Hedge/Member		Increase	USD	250	250	300	300
PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK LMP 50 MW)								
4S	Spec		Increase	USD	2,750	2,500	3,300	3,000
4S	Hedge/Member		Increase	USD	2,500	2,500	3,000	3,000

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								
(DUTCH TTF NAT GAS FIN M-1 AVG PRC)								
TTB	Spec		Increase	USD	2,640	2,400	3,630	3,300
TTB	Spec		Increase	USD	2,860	2,600	3,960	3,600
TTB	Hedge/Member		Increase	USD	2,400	2,400	3,300	3,300
TTB	Hedge/Member		Increase	USD	2,600	2,600	3,600	3,600
(DUTCH TTF NATURAL GAS FIN CAL M)								
TTG	Spec		Increase	EUR	880	800	1,210	1,100
TTG	Spec		Increase	EUR	1,100	1,000	1,540	1,400
TTG	Spec		Increase	EUR	1,210	1,100	1,760	1,600
TTG	Spec		Increase	EUR	1,265	1,150	1,870	1,700
TTG	Hedge/Member		Increase	EUR	800	800	1,100	1,100
TTG	Hedge/Member		Increase	EUR	1,000	1,000	1,400	1,400
TTG	Hedge/Member		Increase	EUR	1,100	1,100	1,600	1,600
TTG	Hedge/Member		Increase	EUR	1,150	1,150	1,700	1,700
(DUTCH TTF NATURAL GAS FIN DAY AHEAD)								
TTI	Spec		Increase	EUR	880	800	1,210	1,100
TTI	Spec		Increase	EUR	1,100	1,000	1,540	1,400
TTI	Spec		Increase	EUR	1,210	1,100	1,760	1,600
TTI	Spec		Increase	EUR	1,320	1,200	1,870	1,700
TTI	Hedge/Member		Increase	EUR	800	800	1,100	1,100
TTI	Hedge/Member		Increase	EUR	1,000	1,000	1,400	1,400
TTI	Hedge/Member		Increase	EUR	1,100	1,100	1,600	1,600
TTI	Hedge/Member		Increase	EUR	1,200	1,200	1,700	1,700
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,870	1,700	2,640	2,400
TTF	Hedge/Member		Increase	EUR	1,700	1,700	2,400	2,400
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 2 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,870	1,700	2,640	2,400
TTF	Hedge/Member		Increase	EUR	1,700	1,700	2,400	2,400
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 3 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
Dutch TTF Natural Gas Calendar Month Futures - Month 1 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,760	1,600	2,530	2,300
TTF	Hedge/Member		Increase	EUR	1,600	1,600	2,300	2,300
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 3 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,320	1,200	1,870	1,700
TTF	Hedge/Member		Increase	EUR	1,200	1,200	1,700	1,700
Dutch TTF Natural Gas Calendar Month Futures - Month 2 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,870	1,700	2,640	2,400
TTF	Hedge/Member		Increase	EUR	1,700	1,700	2,400	2,400
Dutch TTF Natural Gas Calendar Month Futures - Month 3 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
Dutch TTF Natural Gas Calendar Month Futures - Month 3 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
Dutch TTF Natural Gas Calendar Month Futures - Months 10+ vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
Dutch TTF Natural Gas Calendar Month Futures - Months 4-9 vs 10+ (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
Dutch TTF Natural Gas Calendar Month Futures - Months 4-9 vs 4-9 (DUTCH TTF NATURAL GAS CAL MONTH FUT)								
TTF	Spec		Increase	EUR	1,540	1,400	2,200	2,000
TTF	Hedge/Member		Increase	EUR	1,400	1,400	2,000	2,000
JKM - Consec Month 2-12 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	12,320	11,200	17,270	15,700
JKM	Hedge/Member		Increase	USD	11,200	11,200	15,700	15,700
JKM - Mnth 1 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	20,350	18,500	28,490	25,900
JKM	Hedge/Member		Increase	USD	18,500	18,500	25,900	25,900
JKM - Mnths 13+ vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	15,400	14,000	21,560	19,600
JKM	Hedge/Member		Increase	USD	14,000	14,000	19,600	19,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
JKM - Mnths 2-12 vs 13+ (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	18,480	16,800	25,960	23,600
JKM	Hedge/Member		Increase	USD	16,800	16,800	23,600	23,600
JKM - Mnths 2-12 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	18,480	16,800	25,960	23,600
JKM	Hedge/Member		Increase	USD	16,800	16,800	23,600	23,600
LNG Japan/Korea Marker (Platts) Swap Futures - Mnth 1 vs 2-12 (LNG JAPAN KOREA MARKER PLATTS FUT)								
JKM	Spec		Increase	USD	22,330	20,300	31,350	28,500
JKM	Hedge/Member		Increase	USD	20,300	20,300	28,500	28,500
Mnths 1 vs 13+ (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	220,000	200,000	308,000	280,000
JKY	Hedge/Member		Increase	JPY	200,000	200,000	280,000	280,000
Mnths 1 vs 2-12 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	2,475,000	2,250,000	3,465,000	3,150,000
JKY	Hedge/Member		Increase	JPY	2,250,000	2,250,000	3,150,000	3,150,000
Mnths 13+ vs 13+ (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	1,100,000	1,000,000	1,540,000	1,400,000
JKY	Hedge/Member		Increase	JPY	1,000,000	1,000,000	1,400,000	1,400,000
Mnths 2-12 vs 13+ (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	1,815,000	1,650,000	2,530,000	2,300,000
JKY	Hedge/Member		Increase	JPY	1,650,000	1,650,000	2,300,000	2,300,000
Mnths 2-12 vs 2-12 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	1,815,000	1,650,000	2,530,000	2,300,000
JKY	Hedge/Member		Increase	JPY	1,650,000	1,650,000	2,300,000	2,300,000
NBP Intras 1 vs 2+ (UK NBP NATURAL GAS FRONT MTH FUT)								
NBP	Spec		Increase	USD	5,500	5,000	7,700	7,000
NBP	Hedge/Member		Increase	USD	5,000	5,000	7,000	7,000
NBP Intras 2+ vs 2+ (UK NBP NATURAL GAS FRONT MTH FUT)								
NBP	Spec		Increase	USD	6,160	5,600	8,690	7,900
NBP	Hedge/Member		Increase	USD	5,600	5,600	7,900	7,900
RealPeriod 2 vs 2 (LNG JAPAN KOREA MRK YEN FUT)								
JKY	Spec		Increase	JPY	1,100,000	1,000,000	1,540,000	1,400,000
JKY	Hedge/Member		Increase	JPY	1,000,000	1,000,000	1,400,000	1,400,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
TTE Intras 1vs 2+ (DUTCH TTF NATURAL GAS FRONT MTH FUT)								
TTE	Spec		Increase	USD	3,960	3,600	5,610	5,100
TTE	Hedge/Member		Increase	USD	3,600	3,600	5,100	5,100
TTE Intras 2+ vs 2+ (DUTCH TTF NATURAL GAS FRONT MTH FUT)								
TTE	Spec		Increase	USD	4,400	4,000	6,160	5,600
TTE	Hedge/Member		Increase	USD	4,000	4,000	5,600	5,600
UK NBP Natural Gas Calendar month futures - Months 1 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 2 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,430	1,300	2,090	1,900
UKG	Hedge/Member		Increase	GBP	1,300	1,300	1,900	1,900
UK NBP Natural Gas Calendar month futures - Months 1 vs 3 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 1 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 10+ vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,430	1,300	2,090	1,900
UKG	Hedge/Member		Increase	GBP	1,300	1,300	1,900	1,900
UK NBP Natural Gas Calendar month futures - Months 2 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 2 vs 3 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,430	1,300	2,090	1,900
UKG	Hedge/Member		Increase	GBP	1,300	1,300	1,900	1,900
UK NBP Natural Gas Calendar month futures - Months 2 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 3 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,430	1,300	2,090	1,900
UKG	Hedge/Member		Increase	GBP	1,300	1,300	1,900	1,900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
UK NBP Natural Gas Calendar month futures - Months 3 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,430	1,300	2,090	1,900
UKG	Hedge/Member		Increase	GBP	1,300	1,300	1,900	1,900
UK NBP Natural Gas Calendar month futures - Months 4-9 vs 10+ (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000
UK NBP Natural Gas Calendar month futures - Months 4-9 vs 4-9 (UK NBP NAT GAS CAL MTH FUT)								
UKG	Spec		Increase	GBP	1,540	1,400	2,200	2,000
UKG	Hedge/Member		Increase	GBP	1,400	1,400	2,000	2,000

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						

NATURAL GAS - Volatility Scan (volScan) Rate

HENRY HUB NATURAL GAS FUTURES (HHE, HHQ, KD, LN, LNW, MNG, NG, NGT, ON, ONW, 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	Mnth1	Increase	33.000%	38.000%
Clearing Member Rate	Mnth2	Increase	20.000%	24.000%
Clearing Member Rate	Mnth3	Increase	17.000%	20.000%
Clearing Member Rate	Mnth4	Increase	15.000%	17.000%
Clearing Member Rate	Mnth5	Increase	12.000%	15.000%

HENRY HUB NATURAL GAS PENULTIMATE FINANCIAL FUTURES (E7, HH, HP, NP, QG) - volScan

Clearing Member Rate	Mnth1	Increase	33.000%	38.000%
Clearing Member Rate	Mnth2	Increase	20.000%	24.000%
Clearing Member Rate	Mnth3	Increase	17.000%	20.000%
Clearing Member Rate	Mnth4	Increase	15.000%	17.000%
Clearing Member Rate	Mnth5	Increase	12.000%	15.000%

NYMEX NATURAL GAS (H.HUB LTD) FUT (E7, HH, HHT, NN, NNE, NNT) - volScan

Clearing Member Rate	Mnth1	Increase	33.000%	38.000%
Clearing Member Rate	Mnth2	Increase	20.000%	24.000%
Clearing Member Rate	Mnth3	Increase	17.000%	20.000%
Clearing Member Rate	Mnth4	Increase	15.000%	17.000%
Clearing Member Rate	Mnth5	Increase	12.000%	15.000%