



16-516

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, December 08, 2016

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 09, 2016.

Current rates as of:

Thursday, December 08, 2016.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
BLOOMBERG COMMODITY INDEX FUTURES (70)								
70	Spec		Decrease	USD	347	315	308	280
70	Hedge/Member		Decrease	USD	315	315	280	280
LIVE CATTLE FUTURES (LC)								
LC	Spec	Month 2	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Month 2	Decrease	USD	1,800	1,800	1,550	1,550
LC	Spec	Month 1	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Month 1	Decrease	USD	1,800	1,800	1,550	1,550
LC	Spec	Month 3	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Month 3	Decrease	USD	1,800	1,800	1,550	1,550
LC	Spec	Month 4	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Month 4	Decrease	USD	1,800	1,800	1,550	1,550
LC	Spec	Month 5	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Month 5	Decrease	USD	1,800	1,800	1,550	1,550
LC	Spec	Months 6+	Decrease	USD	1,980	1,800	1,705	1,550
LC	Hedge/Member	Months 6+	Decrease	USD	1,800	1,800	1,550	1,550
LIVE CATTLE TRADE AT SETTLEMENT (LET)								
LET	Spec	Month 2	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Month 2	Decrease	USD	1,800	1,800	1,550	1,550
LET	Spec	Month 1	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Month 1	Decrease	USD	1,800	1,800	1,550	1,550
LET	Spec	Month 3	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Month 3	Decrease	USD	1,800	1,800	1,550	1,550
LET	Spec	Month 4	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Month 4	Decrease	USD	1,800	1,800	1,550	1,550
LET	Spec	Month 5	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Month 5	Decrease	USD	1,800	1,800	1,550	1,550
LET	Spec	Months 6+	Decrease	USD	1,980	1,800	1,705	1,550
LET	Hedge/Member	Months 6+	Decrease	USD	1,800	1,800	1,550	1,550
OATS FUTURES (O)								
O	Spec		Increase	USD	660	600	770	700
O	Hedge/Member		Increase	USD	600	600	700	700
UREA (GRANULAR) FOB U.S. GULF SWAP (UFN)								
UFN	Spec		Increase	USD	1,540	1,400	1,815	1,650
UFN	Hedge/Member		Increase	USD	1,400	1,400	1,650	1,650

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

CRUDE OIL - Outright Rates

DUBAI CRUDE OIL (PLATTS) (DCD)

DCD	Spec	Mnth 1	Decrease	USD	6,325	5,750	4,950	4,500
DCD	Hedge/Member	Mnth 1	Decrease	USD	5,750	5,750	4,500	4,500
DCD	Spec	Mnths 2-3	Decrease	USD	5,335	4,850	4,015	3,650
DCD	Hedge/Member	Mnths 2-3	Decrease	USD	4,850	4,850	3,650	3,650
DCD	Spec	Mnths 4-8	Decrease	USD	5,115	4,650	3,795	3,450
DCD	Hedge/Member	Mnths 4-8	Decrease	USD	4,650	4,650	3,450	3,450
DCD	Spec	Mnths 9+	Decrease	USD	4,950	4,500	3,630	3,300
DCD	Hedge/Member	Mnths 9+	Decrease	USD	4,500	4,500	3,300	3,300

EUROPE DATED BRENT FUT (UB)

UB	Spec	Mths 7+	Increase	USD	3,630	3,300	3,960	3,600
UB	Hedge/Member	Mths 7+	Increase	USD	3,300	3,300	3,600	3,600
UB	Spec	Mths 1 - 6	Increase	USD	3,630	3,300	3,960	3,600
UB	Hedge/Member	Mths 1 - 6	Increase	USD	3,300	3,300	3,600	3,600

LOOP GULF COAST SOUR CRUDE OIL (MB)

MB	Spec		Increase	USD	3,410	3,100	3,850	3,500
MB	Hedge/Member		Increase	USD	3,100	3,100	3,500	3,500

MINI DATED BRENT (PLATTS) FINANCIAL (MDB)

MDB	Spec	Mths 7+	Increase	USD	363	330	396	360
MDB	Hedge/Member	Mths 7+	Increase	USD	330	330	360	360
MDB	Spec	Mths 1 - 6	Increase	USD	363	330	396	360
MDB	Hedge/Member	Mths 1 - 6	Increase	USD	330	330	360	360

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

CRUDE OIL SPREADS - Outright Rates

BRENT CRUDE VS DUBAI CRUDE (DBI)

DBI	Spec	Mnths 4-8	Increase	USD	385	350	462	420
DBI	Hedge/Member	Mnths 4-8	Increase	USD	350	350	420	420
DBI	Spec	Mnths 9+	Increase	USD	330	300	407	370
DBI	Hedge/Member	Mnths 9+	Increase	USD	300	300	370	370

DATED TO FRONTLINE BRENT CLNDR FUT (FY)

FY	Spec	Mnths 4+	Increase	USD	193	175	220	200
FY	Hedge/Member	Mnths 4+	Increase	USD	175	175	200	200

WTI MIDLAND (ARG) VS. WTI TRADE MTH (WTT)

WTT	Spec	Mnth 1	Decrease	USD	3,850	3,500	2,750	2,500
WTT	Hedge/Member	Mnth 1	Decrease	USD	3,500	3,500	2,500	2,500
WTT	Spec	Mnths 2-3	Decrease	USD	1,980	1,800	1,100	1,000
WTT	Hedge/Member	Mnths 2-3	Decrease	USD	1,800	1,800	1,000	1,000
WTT	Spec	Mnths 4-7	Decrease	USD	1,650	1,500	880	800
WTT	Hedge/Member	Mnths 4-7	Decrease	USD	1,500	1,500	800	800
WTT	Spec	Mnths 8+	Decrease	USD	1,540	1,400	880	800
WTT	Hedge/Member	Mnths 8+	Decrease	USD	1,400	1,400	800	800

WTI MIDLAND(ARGUS) VS WTI FINCL FUT (FF)

FF	Spec	Mnth1	Increase	USD	2,200	2,000	2,640	2,400
FF	Hedge/Member	Mnth1	Increase	USD	2,000	2,000	2,400	2,400

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

ELECTRICITY - Outright Rates

AEP-DAYTON HUB OFF-PEAK MONTHLY (VP)

VP	Spec	Mnth 1	Increase	USD	2,860	2,600	3,850	3,500
VP	Hedge/Member	Mnth 1	Increase	USD	2,600	2,600	3,500	3,500
VP	Spec	Mnth 2	Increase	USD	2,750	2,500	3,300	3,000
VP	Hedge/Member	Mnth 2	Increase	USD	2,500	2,500	3,000	3,000
VP	Spec	Mnths 3-11	Increase	USD	2,420	2,200	2,750	2,500
VP	Hedge/Member	Mnths 3-11	Increase	USD	2,200	2,200	2,500	2,500

AER-DAYTON HUB MONTHLY (VM)

VM	Spec	Mnth 2	Increase	USD	4,400	4,000	4,950	4,500
VM	Hedge/Member	Mnth 2	Increase	USD	4,000	4,000	4,500	4,500
VM	Spec	Mnths 3-4	Increase	USD	2,750	2,500	3,300	3,000
VM	Hedge/Member	Mnths 3-4	Increase	USD	2,500	2,500	3,000	3,000

CAISO SP15 EZGNHUB5 MW P DAY A (9X)

9X	Spec	Mnths 1	Increase	USD	495	450	660	600
9X	Hedge/Member	Mnths 1	Increase	USD	450	450	600	600
9X	Spec	Mnths 2-3	Increase	USD	363	330	550	500
9X	Hedge/Member	Mnths 2-3	Increase	USD	330	330	500	500
9X	Spec	Mnths 4-6	Increase	USD	275	250	495	450
9X	Hedge/Member	Mnths 4-6	Increase	USD	250	250	450	450
9X	Spec	Mnths 7-11	Increase	USD	132	120	193	175
9X	Hedge/Member	Mnths 7-11	Increase	USD	120	120	175	175

CAISO SP15 EZGNHUB5 PEAK CLN D (9Z)

9Z	Spec	Days 1-6	Increase	USD	743	675	1,485	1,350
9Z	Hedge/Member	Days 1-6	Increase	USD	675	675	1,350	1,350

ISO NEW ENGLAND OFF-PEAK LMP FUT (KI)

KI	Spec	Mnth 1	Increase	USD	7,700	7,000	11,000	10,000
KI	Hedge/Member	Mnth 1	Increase	USD	7,000	7,000	10,000	10,000
KI	Spec	Mnth 2	Increase	USD	7,700	7,000	11,000	10,000
KI	Hedge/Member	Mnth 2	Increase	USD	7,000	7,000	10,000	10,000
KI	Spec	Mnths 3-5	Increase	USD	5,500	5,000	10,450	9,500
KI	Hedge/Member	Mnths 3-5	Increase	USD	5,000	5,000	9,500	9,500
KI	Spec	Mnths 12+	Increase	USD	2,530	2,300	3,850	3,500
KI	Hedge/Member	Mnths 12+	Increase	USD	2,300	2,300	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								
ISO NEW ENGLAND PEAK LMP FUT (NI)								
NI	Spec	Mnth 1	Increase	USD	7,700	7,000	11,000	10,000
NI	Hedge/Member	Mnth 1	Increase	USD	7,000	7,000	10,000	10,000
NI	Spec	Mnth 2	Increase	USD	7,700	7,000	11,000	10,000
NI	Hedge/Member	Mnth 2	Increase	USD	7,000	7,000	10,000	10,000
NI	Spec	Mnths 3-5	Increase	USD	6,050	5,500	9,900	9,000
NI	Hedge/Member	Mnths 3-5	Increase	USD	5,500	5,500	9,000	9,000
NI	Spec	Mnths 12+	Increase	USD	3,850	3,500	4,290	3,900
NI	Hedge/Member	Mnths 12+	Increase	USD	3,500	3,500	3,900	3,900
MID-COLUMBIA DAY AHEAD PEAK FIX PRI (MDC)								
MDC	Spec	Mnths 2-3	Increase	USD	275	250	385	350
MDC	Hedge/Member	Mnths 2-3	Increase	USD	250	250	350	350
MDC	Spec	Mnths 4-11	Increase	USD	220	200	358	325
MDC	Hedge/Member	Mnths 4-11	Increase	USD	200	200	325	325
MIDWEST ISO MICHIGAN HUB 5MW PEAK C (HMW)								
HMW	Spec	Mnth 1	Increase	USD	495	450	660	600
HMW	Hedge/Member	Mnth 1	Increase	USD	450	450	600	600
HMW	Spec	Mnth 2	Increase	USD	495	450	660	600
HMW	Hedge/Member	Mnth 2	Increase	USD	450	450	600	600
HMW	Spec	Mnths 3-4	Increase	USD	303	275	440	400
HMW	Hedge/Member	Mnths 3-4	Increase	USD	275	275	400	400
MISO INDIANA HUB 5MW D AH O PK (K2)								
K2	Spec	Mnth 1	Increase	USD	22	20	33	30
K2	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
K2	Spec	Mnth 2	Increase	USD	22	20	33	30
K2	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
K2	Spec	Mnths 3-4	Increase	USD	17	15	22	20
K2	Hedge/Member	Mnths 3-4	Increase	USD	15	15	20	20
MISO INDIANA HUB 5MW D AH PK (H5)								
H5	Spec	Mnth 1	Increase	USD	495	450	743	675
H5	Hedge/Member	Mnth 1	Increase	USD	450	450	675	675
H5	Spec	Mnth 2	Increase	USD	330	300	495	450
H5	Hedge/Member	Mnth 2	Increase	USD	300	300	450	450
H5	Spec	Mnths 3-4	Increase	USD	248	225	385	350
H5	Hedge/Member	Mnths 3-4	Increase	USD	225	225	350	350

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MISO INDIANA HUB 5MW OFPK CAL MO RT (FTM)								
FTM	Spec	Mnth 1	Increase	USD	28	25	39	35
FTM	Hedge/Member	Mnth 1	Increase	USD	25	25	35	35
FTM	Spec	Mnth 2	Increase	USD	22	20	33	30
FTM	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
MISO INDIANA HUB 5MW REAL TIME OFPK (H4)								
H4	Spec	Mnth 1	Increase	USD	22	20	33	30
H4	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
H4	Spec	Mnth 2	Increase	USD	22	20	33	30
H4	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
MISO INDIANA HUB 5MW REAL TIME PK (H3)								
H3	Spec	Mnth 2	Increase	USD	330	300	495	450
H3	Hedge/Member	Mnth 2	Increase	USD	300	300	450	450
H3	Spec	Mnths 3-11	Increase	USD	275	250	330	300
H3	Hedge/Member	Mnths 3-11	Increase	USD	250	250	300	300
MISO INDIANA HUB OFF-PEAK MO FUT (EJ)								
EJ	Spec	Mnth 1	Increase	USD	2,750	2,500	3,850	3,500
EJ	Hedge/Member	Mnth 1	Increase	USD	2,500	2,500	3,500	3,500
EJ	Spec	Mnth 2	Increase	USD	2,200	2,000	2,750	2,500
EJ	Hedge/Member	Mnth 2	Increase	USD	2,000	2,000	2,500	2,500
EJ	Spec	Mnths 3-5	Increase	USD	1,848	1,680	2,750	2,500
EJ	Hedge/Member	Mnths 3-5	Increase	USD	1,680	1,680	2,500	2,500
MISO INDIANA HUB PEAK MONTH FUT (EM)								
EM	Spec	Mnth 2	Increase	USD	3,168	2,880	3,850	3,500
EM	Hedge/Member	Mnth 2	Increase	USD	2,880	2,880	3,500	3,500
EM	Spec	Mnths 3-11	Increase	USD	2,640	2,400	3,300	3,000
EM	Hedge/Member	Mnths 3-11	Increase	USD	2,400	2,400	3,000	3,000
MISO MICHIGAN HUB OF-PK DA MONTHLY (HMO)								
HMO	Spec	Mnth 1	Increase	USD	28	25	39	35
HMO	Hedge/Member	Mnth 1	Increase	USD	25	25	35	35
HMO	Spec	Mnths 2	Increase	USD	22	20	33	30
HMO	Hedge/Member	Mnths 2	Increase	USD	20	20	30	30
HMO	Spec	Mnths 3-4	Increase	USD	17	15	22	20
HMO	Hedge/Member	Mnths 3-4	Increase	USD	15	15	20	20

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NEPOOL CNCTCT 5MW D AH O PK (P3)								
P3	Spec	Mnth 1	Increase	USD	44	40	88	80
P3	Hedge/Member	Mnth 1	Increase	USD	40	40	80	80
P3	Spec	Mnth 2	Increase	USD	44	40	55	50
P3	Hedge/Member	Mnth 2	Increase	USD	40	40	50	50
P3	Spec	Mnths 3-4	Increase	USD	28	25	55	50
P3	Hedge/Member	Mnths 3-4	Increase	USD	25	25	50	50
P3	Spec	Mnths 5-11	Increase	USD	33	30	39	35
P3	Hedge/Member	Mnths 5-11	Increase	USD	30	30	35	35
NEPOOL CONECTIC 5MW D AH PK (P2)								
P2	Spec	Mnth 2	Increase	USD	660	600	1,100	1,000
P2	Hedge/Member	Mnth 2	Increase	USD	600	600	1,000	1,000
P2	Spec	Mnths 3-5	Increase	USD	528	480	1,056	960
P2	Hedge/Member	Mnths 3-5	Increase	USD	480	480	960	960
NEPOOL INTR HUB 5MW D AH O PK (H2)								
H2	Spec	Mnth 1	Increase	USD	44	40	55	50
H2	Hedge/Member	Mnth 1	Increase	USD	40	40	50	50
H2	Spec	Mnth 2	Increase	USD	39	35	61	55
H2	Hedge/Member	Mnth 2	Increase	USD	35	35	55	55
H2	Spec	Mnths 3-4	Increase	USD	22	20	33	30
H2	Hedge/Member	Mnths 3-4	Increase	USD	20	20	30	30
H2	Spec	Mnths 12+	Increase	USD	17	15	22	20
H2	Hedge/Member	Mnths 12+	Increase	USD	15	15	20	20
NEPOOL INTR HUB 5MW D AH PK (U6)								
U6	Spec	Month 1	Increase	USD	880	800	1,100	1,000
U6	Hedge/Member	Month 1	Increase	USD	800	800	1,000	1,000
U6	Spec	Month 2	Increase	USD	660	600	1,100	1,000
U6	Hedge/Member	Month 2	Increase	USD	600	600	1,000	1,000
U6	Spec	Mnths 3-5	Increase	USD	495	450	825	750
U6	Hedge/Member	Mnths 3-5	Increase	USD	450	450	750	750
U6	Spec	Mnths 12+	Increase	USD	385	350	550	500
U6	Hedge/Member	Mnths 12+	Increase	USD	350	350	500	500

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

NEPOOL RHD ISLD 5MW D AH PK (U4)

U4	Spec	Mnth 1	Increase	USD	825	750	1,100	1,000
U4	Hedge/Member	Mnth 1	Increase	USD	750	750	1,000	1,000
U4	Spec	Mnth 2	Increase	USD	770	700	1,100	1,000
U4	Hedge/Member	Mnth 2	Increase	USD	700	700	1,000	1,000
U4	Spec	Mnths 3-4	Increase	USD	660	600	1,100	1,000
U4	Hedge/Member	Mnths 3-4	Increase	USD	600	600	1,000	1,000
U4	Spec	Mnths 5-11	Increase	USD	330	300	550	500
U4	Hedge/Member	Mnths 5-11	Increase	USD	300	300	500	500

NEPOOL RHODE IL 5MW D AH O PK (U5)

U5	Spec	Mnth 1	Increase	USD	39	35	50	45
U5	Hedge/Member	Mnth 1	Increase	USD	35	35	45	45
U5	Spec	Mnth 2	Increase	USD	33	30	50	45
U5	Hedge/Member	Mnth 2	Increase	USD	30	30	45	45
U5	Spec	Mnths 3-4	Increase	USD	28	25	50	45
U5	Hedge/Member	Mnths 3-4	Increase	USD	25	25	45	45
U5	Spec	Mnths 12+	Increase	USD	17	15	22	20
U5	Hedge/Member	Mnths 12+	Increase	USD	15	15	20	20

NEPOOL W CNT MASS 5MW D AH O PK (L9)

L9	Spec	Mnth 1	Increase	USD	39	35	44	40
L9	Hedge/Member	Mnth 1	Increase	USD	35	35	40	40
L9	Spec	Mnth 2	Increase	USD	39	35	44	40
L9	Hedge/Member	Mnth 2	Increase	USD	35	35	40	40
L9	Spec	Mnths 3-5	Increase	USD	28	25	44	40
L9	Hedge/Member	Mnths 3-5	Increase	USD	25	25	40	40

NEPOOL W CNTR M 5MW D AH PK (R6)

R6	Spec	Mnth 1	Increase	USD	770	700	1,100	1,000
R6	Hedge/Member	Mnth 1	Increase	USD	700	700	1,000	1,000
R6	Spec	Mnth 2	Increase	USD	715	650	1,100	1,000
R6	Hedge/Member	Mnth 2	Increase	USD	650	650	1,000	1,000
R6	Spec	Mnths 3-5	Increase	USD	578	525	1,100	1,000
R6	Hedge/Member	Mnths 3-5	Increase	USD	525	525	1,000	1,000
R6	Spec	Mnths 6-11	Increase	USD	550	500	660	600
R6	Hedge/Member	Mnths 6-11	Increase	USD	500	500	600	600
R6	Spec	Mnths +12	Increase	USD	385	350	495	450
R6	Hedge/Member	Mnths +12	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								
NEW YORK HUB ZONE J PEAK DAILY (JN)								
JN	Spec	Days 1-8	Increase	USD	3,168	2,880	3,850	3,500
JN	Hedge/Member	Days 1-8	Increase	USD	2,880	2,880	3,500	3,500
JN	Spec	Days 9-15	Increase	USD	3,168	2,880	3,850	3,500
JN	Hedge/Member	Days 9-15	Increase	USD	2,880	2,880	3,500	3,500
JN	Spec	Days 16+	Increase	USD	2,200	2,000	2,750	2,500
JN	Hedge/Member	Days 16+	Increase	USD	2,000	2,000	2,500	2,500
NORTHERN ILLINOIS HUB MONTHLY (UM)								
UM	Spec	Mnth 2	Increase	USD	3,850	3,500	4,400	4,000
UM	Hedge/Member	Mnth 2	Increase	USD	3,500	3,500	4,000	4,000
UM	Spec	Mnths 3-4	Increase	USD	2,750	2,500	3,300	3,000
UM	Hedge/Member	Mnths 3-4	Increase	USD	2,500	2,500	3,000	3,000
NYISO G (KG)								
KG	Spec	Mnths 3-4	Increase	USD	2,530	2,300	3,960	3,600
KG	Hedge/Member	Mnths 3-4	Increase	USD	2,300	2,300	3,600	3,600
KG	Spec	Mnths 5-11	Increase	USD	1,925	1,750	2,200	2,000
KG	Hedge/Member	Mnths 5-11	Increase	USD	1,750	1,750	2,000	2,000
NYISO J (KJ)								
KJ	Spec	Mnths 3-6	Increase	USD	2,200	2,000	3,300	3,000
KJ	Hedge/Member	Mnths 3-6	Increase	USD	2,000	2,000	3,000	3,000
KJ	Spec	Mnths 12+	Increase	USD	2,090	1,900	2,200	2,000
KJ	Hedge/Member	Mnths 12+	Increase	USD	1,900	1,900	2,000	2,000
NYISO ZONE A 5MW D AH O PK (K4)								
K4	Spec	Mnth 1	Increase	USD	28	25	44	40
K4	Hedge/Member	Mnth 1	Increase	USD	25	25	40	40
K4	Spec	Mnth 2	Increase	USD	28	25	33	30
K4	Hedge/Member	Mnth 2	Increase	USD	25	25	30	30
NYISO ZONE A LBMP FUT (AN)								
AN	Spec	Days 7-15	Increase	USD	3,300	3,000	3,520	3,200
AN	Hedge/Member	Days 7-15	Increase	USD	3,000	3,000	3,200	3,200
AN	Spec	Days 16+	Increase	USD	2,640	2,400	2,860	2,600
AN	Hedge/Member	Days 16+	Increase	USD	2,400	2,400	2,600	2,600
NYISO ZONE E 5MW OFF- PK CAL MO FUT (58)								
58	Spec	Mnth 1	Increase	USD	28	25	44	40
58	Hedge/Member	Mnth 1	Increase	USD	25	25	40	40
58	Spec	Mnths 2-6	Increase	USD	28	25	33	30
58	Hedge/Member	Mnths 2-6	Increase	USD	25	25	30	30

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NYISO ZONE E 5MW PK CAL MO FUT (55)								
55	Spec	Mnth 1	Increase	USD	660	600	1,100	1,000
55	Hedge/Member	Mnth 1	Increase	USD	600	600	1,000	1,000
55	Spec	Mnth 2	Increase	USD	605	550	825	750
55	Hedge/Member	Mnth 2	Increase	USD	550	550	750	750
55	Spec	Mnths 3-11	Increase	USD	440	400	798	725
55	Hedge/Member	Mnths 3-11	Increase	USD	400	400	725	725
NYISO ZONE F 5MW O PK FUT (4M)								
4M	Spec	Mnth 1	Increase	USD	50	45	77	70
4M	Hedge/Member	Mnth 1	Increase	USD	45	45	70	70
4M	Spec	Mnth 2	Increase	USD	50	45	77	70
4M	Hedge/Member	Mnth 2	Increase	USD	45	45	70	70
NYISO ZONE F 5MW PK FUT (4L)								
4L	Spec	Mnth 1	Increase	USD	1,760	1,600	2,530	2,300
4L	Hedge/Member	Mnth 1	Increase	USD	1,600	1,600	2,300	2,300
4L	Spec	Mnth 2	Increase	USD	1,650	1,500	2,200	2,000
4L	Hedge/Member	Mnth 2	Increase	USD	1,500	1,500	2,000	2,000
NYISO ZONE G 5MW D AH O PK (D2)								
D2	Spec	Mnth 1	Increase	USD	33	30	50	45
D2	Hedge/Member	Mnth 1	Increase	USD	30	30	45	45
D2	Spec	Mnth 2	Increase	USD	33	30	44	40
D2	Hedge/Member	Mnth 2	Increase	USD	30	30	40	40
D2	Spec	Mnths 3-4	Increase	USD	22	20	33	30
D2	Hedge/Member	Mnths 3-4	Increase	USD	20	20	30	30
NYISO ZONE G 5MW D AH PK (T3)								
T3	Spec	Mnths 3-4	Increase	USD	506	460	792	720
T3	Hedge/Member	Mnths 3-4	Increase	USD	460	460	720	720
T3	Spec	Mnths 5-11	Increase	USD	385	350	440	400
T3	Hedge/Member	Mnths 5-11	Increase	USD	350	350	400	400
NYISO ZONE J 5MW D AH O PK (D4)								
D4	Spec	Mnth 1	Increase	USD	33	30	44	40
D4	Hedge/Member	Mnth 1	Increase	USD	30	30	40	40
D4	Spec	Mnth 2	Increase	USD	33	30	39	35
D4	Hedge/Member	Mnth 2	Increase	USD	30	30	35	35
D4	Spec	Mnths 3-4	Increase	USD	22	20	28	25
D4	Hedge/Member	Mnths 3-4	Increase	USD	20	20	25	25

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NYISO ZONE J 5MW D AH PK (D3)								
D3	Spec	Mnth 3-6	Increase	USD	440	400	660	600
D3	Hedge/Member	Mnth 3-6	Increase	USD	400	400	600	600
D3	Spec	Mnth 12+	Increase	USD	418	380	440	400
D3	Hedge/Member	Mnth 12+	Increase	USD	380	380	400	400
PJM AD HUB 5MW REAL TIME O PK (V3)								
V3	Spec	Mnth 1	Increase	USD	28	25	33	30
V3	Hedge/Member	Mnth 1	Increase	USD	25	25	30	30
V3	Spec	Mnth 2	Increase	USD	22	20	28	25
V3	Hedge/Member	Mnth 2	Increase	USD	20	20	25	25
PJM AD HUB 5MW REAL TIME PK (Z9)								
Z9	Spec	Mnth 1	Increase	USD	660	600	990	900
Z9	Hedge/Member	Mnth 1	Increase	USD	600	600	900	900
Z9	Spec	Mnth 2	Increase	USD	440	400	495	450
Z9	Hedge/Member	Mnth 2	Increase	USD	400	400	450	450
PJM AECO DA OFF-PEAK (X1)								
X1	Spec	Mnth 1	Increase	USD	28	25	44	40
X1	Hedge/Member	Mnth 1	Increase	USD	25	25	40	40
X1	Spec	Mnth 2	Increase	USD	28	25	33	30
X1	Hedge/Member	Mnth 2	Increase	USD	25	25	30	30
X1	Spec	Mnth 3-4	Increase	USD	22	20	28	25
X1	Hedge/Member	Mnth 3-4	Increase	USD	20	20	25	25
PJM AECO DA PEAK (Y1)								
Y1	Spec	Mnth 1	Increase	USD	660	600	1,100	1,000
Y1	Hedge/Member	Mnth 1	Increase	USD	600	600	1,000	1,000
Y1	Spec	Mnth 2	Increase	USD	440	400	660	600
Y1	Hedge/Member	Mnth 2	Increase	USD	400	400	600	600
Y1	Spec	Mnth 3-5	Increase	USD	396	360	550	500
Y1	Hedge/Member	Mnth 3-5	Increase	USD	360	360	500	500
Y1	Spec	Mnth 6-11	Increase	USD	220	200	330	300
Y1	Hedge/Member	Mnth 6-11	Increase	USD	200	200	300	300
PJM AEP DAYTON HUB RT OP DAILY (AOR)								
AOR	Spec	Days 1-10	Decrease	USD	220	200	165	150
AOR	Hedge/Member	Days 1-10	Decrease	USD	200	200	150	150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PJM APS ZONE DA OFF-PEAK (W4)								
W4	Spec	Mnth 2	Increase	USD	28	25	33	30
W4	Hedge/Member	Mnth 2	Increase	USD	25	25	30	30
W4	Spec	Mnths 3-11	Increase	USD	17	15	22	20
W4	Hedge/Member	Mnths 3-11	Increase	USD	15	15	20	20
PJM ASTI ZONE PEAK DA MO (MOD)								
MOD	Spec	Mnth 1	Increase	USD	22	20	33	30
MOD	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
PJM ATSI ZONE MONTHLY DAILY (MPD)								
MPD	Spec	Mnth 1	Increase	USD	440	400	660	600
MPD	Hedge/Member	Mnth 1	Increase	USD	400	400	600	600
MPD	Spec	Mnths 2-3	Increase	USD	385	350	495	450
MPD	Hedge/Member	Mnths 2-3	Increase	USD	350	350	450	450
MPD	Spec	Mnths 4-12	Increase	USD	248	225	330	300
MPD	Hedge/Member	Mnths 4-12	Increase	USD	225	225	300	300
PJM BGE DA OFF-PEAK (R3)								
R3	Spec	Mnth 1	Increase	USD	28	25	39	35
R3	Hedge/Member	Mnth 1	Increase	USD	25	25	35	35
R3	Spec	Mnth 2	Increase	USD	28	25	39	35
R3	Hedge/Member	Mnth 2	Increase	USD	25	25	35	35
R3	Spec	Mnths 3-4	Increase	USD	22	20	28	25
R3	Hedge/Member	Mnths 3-4	Increase	USD	20	20	25	25
PJM BGE DA PEAK (E3)								
E3	Spec	Mnth 1	Increase	USD	770	700	1,155	1,050
E3	Hedge/Member	Mnth 1	Increase	USD	700	700	1,050	1,050
E3	Spec	Mnth 2	Increase	USD	605	550	660	600
E3	Hedge/Member	Mnth 2	Increase	USD	550	550	600	600
E3	Spec	Mnths 3-4	Increase	USD	440	400	495	450
E3	Hedge/Member	Mnths 3-4	Increase	USD	400	400	450	450
PJM COMED 5MW D AH O PK (D9)								
D9	Spec	Mnths 3-4	Increase	USD	17	15	22	20
D9	Hedge/Member	Mnths 3-4	Increase	USD	15	15	20	20
PJM COMED 5MW D AH PK (D8)								
D8	Spec	Mnth 1	Increase	USD	440	400	550	500
D8	Hedge/Member	Mnth 1	Increase	USD	400	400	500	500
D8	Spec	Mnths 3-4	Increase	USD	275	250	385	350
D8	Hedge/Member	Mnths 3-4	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 DAYTON DA OFF-PEAK (R7)								
R7	Spec	Mnth 1	Increase	USD	22	20	28	25
R7	Hedge/Member	Mnth 1	Increase	USD	20	20	25	25
R7	Spec	Mnth 2	Increase	USD	22	20	28	25
R7	Hedge/Member	Mnth 2	Increase	USD	20	20	25	25
PJM DAYTON DA PEAK (D7)								
D7	Spec	Mnth 1	Increase	USD	385	350	605	550
D7	Hedge/Member	Mnth 1	Increase	USD	350	350	550	550
D7	Spec	Mnth 2	Increase	USD	385	350	495	450
D7	Hedge/Member	Mnth 2	Increase	USD	350	350	450	450
PJM JCPL DA OFF-PEAK (F2)								
F2	Spec	Mnth 1	Increase	USD	33	30	44	40
F2	Hedge/Member	Mnth 1	Increase	USD	30	30	40	40
F2	Spec	Mnth 2 - 3	Increase	USD	28	25	33	30
F2	Hedge/Member	Mnth 2 - 3	Increase	USD	25	25	30	30
F2	Spec	Mnth 4-11	Increase	USD	22	20	28	25
F2	Hedge/Member	Mnth 4-11	Increase	USD	20	20	25	25
PJM JCPL DA PEAK (J2)								
J2	Spec	Mnth 1	Increase	USD	770	700	990	900
J2	Hedge/Member	Mnth 1	Increase	USD	700	700	900	900
J2	Spec	Mnth 2	Increase	USD	715	650	825	750
J2	Hedge/Member	Mnth 2	Increase	USD	650	650	750	750
PJM METED ZONE OFFPK CAL MO LMP FUT (46)								
46	Spec	Mnth 2	Increase	USD	28	25	33	30
46	Hedge/Member	Mnth 2	Increase	USD	25	25	30	30
46	Spec	Mnth 3-4	Increase	USD	17	15	28	25
46	Hedge/Member	Mnth 3-4	Increase	USD	15	15	25	25
PJM METED ZONE PK CAL LMP FUTURES (47)								
47	Spec	Mnth 3-6	Increase	USD	440	400	495	450
47	Hedge/Member	Mnth 3-6	Increase	USD	400	400	450	450
PJM MONTHLY (JM)								
JM	Spec	Mnth 2	Increase	USD	4,950	4,500	6,600	6,000
JM	Hedge/Member	Mnth 2	Increase	USD	4,500	4,500	6,000	6,000
JM	Spec	Mnth 3	Increase	USD	3,850	3,500	4,400	4,000
JM	Hedge/Member	Mnth 3	Increase	USD	3,500	3,500	4,000	4,000
JM	Spec	Mnth 12-23	Increase	USD	2,420	2,200	2,585	2,350
JM	Hedge/Member	Mnth 12-23	Increase	USD	2,200	2,200	2,350	2,350

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 O PK (B6)								
B6	Spec	Mnth 2	Increase	USD	22	20	28	25
B6	Hedge/Member	Mnth 2	Increase	USD	20	20	25	25
PJM NI HUB 5MW REAL TIME PK (B3)								
B3	Spec	Mnth 1	Increase	USD	605	550	880	800
B3	Hedge/Member	Mnth 1	Increase	USD	550	550	800	800
PJM NILL DA OFF-PEAK (L3)								
L3	Spec	Mnth 1	Increase	USD	22	20	33	30
L3	Hedge/Member	Mnth 1	Increase	USD	20	20	30	30
L3	Spec	Mnth 2	Increase	USD	22	20	33	30
L3	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
PJM NILL DA PEAK (N3)								
N3	Spec	Mnth 1	Increase	USD	495	450	743	675
N3	Hedge/Member	Mnth 1	Increase	USD	450	450	675	675
PJM OFF-PEAK LMP FUT (JP)								
JP	Spec	Mnth 1	Increase	USD	3,850	3,500	4,400	4,000
JP	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,000	4,000
JP	Spec	Mnth 2	Increase	USD	2,640	2,400	3,850	3,500
JP	Hedge/Member	Mnth 2	Increase	USD	2,400	2,400	3,500	3,500
JP	Spec	Mnth 3-4	Increase	USD	2,420	2,200	3,740	3,400
JP	Hedge/Member	Mnth 3-4	Increase	USD	2,200	2,200	3,400	3,400
PJM PPL DA OFF-PEAK (F5)								
F5	Spec	Mnth 2	Increase	USD	22	20	33	30
F5	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
F5	Spec	Mnth 3-4	Increase	USD	22	20	33	30
F5	Hedge/Member	Mnth 3-4	Increase	USD	20	20	30	30
PJM PPL DA PEAK (L5)								
L5	Spec	Mnth 1	Increase	USD	660	600	990	900
L5	Hedge/Member	Mnth 1	Increase	USD	600	600	900	900
L5	Spec	Mnth 2	Increase	USD	605	550	825	750
L5	Hedge/Member	Mnth 2	Increase	USD	550	550	750	750
PJM PSEG DA OFF-PEAK (W6)								
W6	Spec	Mnth 1	Increase	USD	33	30	39	35
W6	Hedge/Member	Mnth 1	Increase	USD	30	30	35	35
W6	Spec	Mnth 2	Increase	USD	28	25	39	35
W6	Hedge/Member	Mnth 2	Increase	USD	25	25	35	35

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 WES HUB PEAK CAL MON REAL TIME (L1)

L1	Spec	Mth 1	Increase	USD	589	535	660	600
L1	Hedge/Member	Mth 1	Increase	USD	535	535	600	600
L1	Spec	Mnth 2	Increase	USD	396	360	660	600
L1	Hedge/Member	Mnth 2	Increase	USD	360	360	600	600

PJM WES HUB PEAK LMP 50 MW (4S)

4S	Spec	Mth 1	Increase	USD	5,885	5,350	6,600	6,000
4S	Hedge/Member	Mth 1	Increase	USD	5,350	5,350	6,000	6,000
4S	Spec	Mnth 2	Increase	USD	3,960	3,600	6,600	6,000
4S	Hedge/Member	Mnth 2	Increase	USD	3,600	3,600	6,000	6,000

PJM WESTH DA OFF-PEAK (E4)

E4	Spec	Mnth 1	Increase	USD	22	20	39	35
E4	Hedge/Member	Mnth 1	Increase	USD	20	20	35	35
E4	Spec	Mnth 2	Increase	USD	22	20	33	30
E4	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30

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	22	20	33	30
N9	Hedge/Member	Mnth 2	Increase	USD	20	20	30	30
N9	Spec	Mnth 3-4	Increase	USD	11	10	17	15
N9	Hedge/Member	Mnth 3-4	Increase	USD	10	10	15	15

PJM WESTHDA PEAK (J4)

J4	Spec	Mnth 1	Increase	USD	605	550	770	700
J4	Hedge/Member	Mnth 1	Increase	USD	550	550	700	700
J4	Spec	Mnth 2	Increase	USD	440	400	770	700
J4	Hedge/Member	Mnth 2	Increase	USD	400	400	700	700

ETHANOL - Outright Rates

ETHANOL(PL) T2 FOB RTRDM INCL (Z1)

Z1	Spec	Mnth 1	Decrease	EUR	3,300	3,000	2,640	2,400
Z1	Hedge/Member	Mnth 1	Decrease	EUR	3,000	3,000	2,400	2,400
Z1	Spec	Mnth 2+	Decrease	EUR	2,750	2,500	2,200	2,000
Z1	Hedge/Member	Mnth 2+	Decrease	EUR	2,500	2,500	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FX - Outright Rates								
AD/CD FUTURES (AC)								
AC	Spec		Decrease	CAD	4,400	4,000	3,960	3,600
AC	Hedge/Member		Decrease	CAD	4,000	4,000	3,600	3,600
AUSTRALIAN DOLLAR FUTURES (AD)								
AD	Spec		Decrease	USD	2,200	2,000	1,980	1,800
AD	Hedge/Member		Decrease	USD	2,000	2,000	1,800	1,800
BRITISH POUND FUTURES (BP)								
BP	Spec		Decrease	USD	3,960	3,600	3,548	3,225
BP	Hedge/Member		Decrease	USD	3,600	3,600	3,225	3,225
CANADIAN DOLLAR FUTURES (CD)								
CD	Spec		Decrease	USD	1,925	1,750	1,705	1,550
CD	Hedge/Member		Decrease	USD	1,750	1,750	1,550	1,550
EC/AD CROSS RATE FUTURES (CA)								
CA	Spec		Decrease	AUD	5,693	5,175	5,143	4,675
CA	Hedge/Member		Decrease	AUD	5,175	5,175	4,675	4,675
EC/CD CROSS RATE FUTURE (CC)								
CC	Spec		Decrease	CAD	4,840	4,400	4,400	4,000
CC	Hedge/Member		Decrease	CAD	4,400	4,400	4,000	4,000
EC/NKR FUTURES (CN)								
CN	Spec		Decrease	NOK	30,800	28,000	28,050	25,500
CN	Hedge/Member		Decrease	NOK	28,000	28,000	25,500	25,500
E-MICRO AUD/USD FUTURES (M6A)								
M6A	Spec		Decrease	USD	220	200	198	180
M6A	Hedge/Member		Decrease	USD	200	200	180	180
E-MICRO CAD/USD FUTURES (MCD)								
MCD	Spec		Decrease	USD	193	175	171	155
MCD	Hedge/Member		Decrease	USD	175	175	155	155
E-MICRO CHF/USD FUTURES (MSF)								
MSF	Spec		Decrease	USD	396	360	363	330
MSF	Hedge/Member		Decrease	USD	360	360	330	330
E-MICRO EUR/USD FUTURES (M6E)								
M6E	Spec		Decrease	USD	369	335	336	305
M6E	Hedge/Member		Decrease	USD	335	335	305	305

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
E-MICRO GBP/USD FUTURES (M6B)								
M6B	Spec		Decrease	USD	396	360	355	323
M6B	Hedge/Member		Decrease	USD	360	360	323	323
E-MINI EURO FX FUTURE (E7)								
E7	Spec		Decrease	USD	1,843	1,675	1,678	1,525
E7	Hedge/Member		Decrease	USD	1,675	1,675	1,525	1,525
EURO FUTURE (EC)								
EC	Spec		Decrease	USD	3,685	3,350	3,355	3,050
EC	Hedge/Member		Decrease	USD	3,350	3,350	3,050	3,050
EURO FX/BP FUTURE (RP)								
RP	Spec		Decrease	GBP	3,933	3,575	3,520	3,200
RP	Hedge/Member		Decrease	GBP	3,575	3,575	3,200	3,200
EURO FX/JY FUTURE (RY)								
RY	Spec		Decrease	JPY	660,000	600,000	627,000	570,000
RY	Hedge/Member		Decrease	JPY	600,000	600,000	570,000	570,000
NEW ZEALAND FUTURES (NE)								
NE	Spec		Decrease	USD	2,090	1,900	1,870	1,700
NE	Hedge/Member		Decrease	USD	1,900	1,900	1,700	1,700
NKR/USD FUTURES (UN)								
UN	Spec		Decrease	USD	8,030	7,300	6,820	6,200
UN	Hedge/Member		Decrease	USD	7,300	7,300	6,200	6,200
RU RUSSIAN RUBLE FUTURES (RU)								
RU	Spec	Jan 17 - Dec 17	Decrease	USD	5,500	5,000	4,675	4,250
RU	Hedge/Member	Jan 17 - Dec 17	Decrease	USD	5,000	5,000	4,250	4,250
RU	Spec	Jan 18 - Dec 18	Decrease	USD	6,765	6,150	5,940	5,400
RU	Hedge/Member	Jan 18 - Dec 18	Decrease	USD	6,150	6,150	5,400	5,400
SWISS FRANC FUTURES (SF)								
SF	Spec		Decrease	USD	3,960	3,600	3,630	3,300
SF	Hedge/Member		Decrease	USD	3,600	3,600	3,300	3,300

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

NGL/PETROCHEMICALS - Outright Rates

CONWAY NAT GASOLINE FUT (8L)

8L	Spec		Increase	USD	3,850	3,500	4,070	3,700
8L	Hedge/Member		Increase	USD	3,500	3,500	3,700	3,700

CONWAY PROPANE 5 DEC. FUT (8K)

8K	Spec	Mth 1	Increase	USD	1,485	1,350	1,705	1,550
8K	Hedge/Member	Mth 1	Increase	USD	1,350	1,350	1,550	1,550
8K	Spec	Mth 2	Increase	USD	1,375	1,250	1,540	1,400
8K	Hedge/Member	Mth 2	Increase	USD	1,250	1,250	1,400	1,400
8K	Spec	Mth 3	Increase	USD	1,375	1,250	1,540	1,400
8K	Hedge/Member	Mth 3	Increase	USD	1,250	1,250	1,400	1,400
8K	Spec	Mths 4-11	Increase	USD	1,375	1,250	1,540	1,400
8K	Hedge/Member	Mths 4-11	Increase	USD	1,250	1,250	1,400	1,400
8K	Spec	Mths 12-24	Increase	USD	1,375	1,250	1,540	1,400
8K	Hedge/Member	Mths 12-24	Increase	USD	1,250	1,250	1,400	1,400
8K	Spec	Mnths 25+	Increase	USD	1,375	1,250	1,540	1,400
8K	Hedge/Member	Mnths 25+	Increase	USD	1,250	1,250	1,400	1,400

MONT BELVIEU NAT GAS (OPIS) FUT (W3)

W3	Spec	Mnth 1	Increase	USD	3,190	2,900	3,630	3,300
W3	Hedge/Member	Mnth 1	Increase	USD	2,900	2,900	3,300	3,300
W3	Spec	Mnths 2+	Increase	USD	3,080	2,800	3,630	3,300
W3	Hedge/Member	Mnths 2+	Increase	USD	2,800	2,800	3,300	3,300

MT BELVIEU NAT GAS 5 D. OPIS (7Q)

7Q	Spec	Mnth 1	Increase	USD	3,190	2,900	3,630	3,300
7Q	Hedge/Member	Mnth 1	Increase	USD	2,900	2,900	3,300	3,300
7Q	Spec	Mnths 2+	Increase	USD	3,080	2,800	3,630	3,300
7Q	Hedge/Member	Mnths 2+	Increase	USD	2,800	2,800	3,300	3,300

PROPANE NON LDH MT BELVIEU (1R)

1R	Spec	Mth 1	Increase	USD	1,320	1,200	1,540	1,400
1R	Hedge/Member	Mth 1	Increase	USD	1,200	1,200	1,400	1,400
1R	Spec	Mth 2+	Increase	USD	1,320	1,200	1,430	1,300
1R	Hedge/Member	Mth 2+	Increase	USD	1,200	1,200	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								
REFINED PRODUCTS - Outright Rates								
1% FUEL OIL (PLT) CARG CIF MED (1W)								
1W	Spec	Mth 1	Increase	USD	25,850	23,500	29,150	26,500
1W	Hedge/Member	Mth 1	Increase	USD	23,500	23,500	26,500	26,500
1W	Spec	Mths 2+	Increase	USD	23,650	21,500	26,950	24,500
1W	Hedge/Member	Mths 2+	Increase	USD	21,500	21,500	24,500	24,500
1% FUEL OIL (PLT) CARG CIF NWE (1X)								
1X	Spec		Increase	USD	23,650	21,500	26,950	24,500
1X	Hedge/Member		Increase	USD	21,500	21,500	24,500	24,500
3.5% FUEL OIL CID MED FUT (7D)								
7D	Spec		Increase	USD	22,550	20,500	25,300	23,000
7D	Hedge/Member		Increase	USD	20,500	20,500	23,000	23,000
EIA FLAT TAX ONHWAY DIESEL FUT (A5)								
A5	Spec	Mnths 2-6	Increase	USD	4,400	4,000	4,840	4,400
A5	Hedge/Member	Mnths 2-6	Increase	USD	4,000	4,000	4,400	4,400
A5	Spec	Mnths 7+	Increase	USD	3,740	3,400	4,180	3,800
A5	Hedge/Member	Mnths 7+	Increase	USD	3,400	3,400	3,800	3,800
EUROPE NAPHTHA CALFUT (UN)								
UN	Spec	Mths 1	Increase	USD	34,100	31,000	37,400	34,000
UN	Hedge/Member	Mths 1	Increase	USD	31,000	31,000	34,000	34,000
UN	Spec	Mths 2-6	Increase	USD	29,150	26,500	32,450	29,500
UN	Hedge/Member	Mths 2-6	Increase	USD	26,500	26,500	29,500	29,500
UN	Spec	Mnths 7+	Increase	USD	26,950	24,500	30,250	27,500
UN	Hedge/Member	Mnths 7+	Increase	USD	24,500	24,500	27,500	27,500
GAS EURO-BOB OXY (ARG) NEW BRG (7H)								
7H	Spec	Mnths 2-6	Increase	USD	31,900	29,000	33,000	30,000
7H	Hedge/Member	Mnths 2-6	Increase	USD	29,000	29,000	30,000	30,000
7H	Spec	Mnths 7+	Increase	USD	30,800	28,000	31,900	29,000
7H	Hedge/Member	Mnths 7+	Increase	USD	28,000	28,000	29,000	29,000
GULF COAST HSFO (PLATTS) FUTURES (MF)								
MF	Spec	Mnth 1	Increase	USD	3,190	2,900	3,740	3,400
MF	Hedge/Member	Mnth 1	Increase	USD	2,900	2,900	3,400	3,400
MF	Spec	Mnths 2-6	Increase	USD	2,970	2,700	3,520	3,200
MF	Hedge/Member	Mnths 2-6	Increase	USD	2,700	2,700	3,200	3,200
MF	Spec	Mnths 7+	Increase	USD	2,750	2,500	2,970	2,700
MF	Hedge/Member	Mnths 7+	Increase	USD	2,500	2,500	2,700	2,700

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

GULF COAST JET FUEL CLNDR FUT (GE)

GE	Spec	Mnth 1	Increase	USD	4,070	3,700	4,510	4,100
GE	Hedge/Member	Mnth 1	Increase	USD	3,700	3,700	4,100	4,100
GE	Spec	Mnths 2-6	Increase	USD	4,070	3,700	4,510	4,100
GE	Hedge/Member	Mnths 2-6	Increase	USD	3,700	3,700	4,100	4,100
GE	Spec	Mnths 7+	Increase	USD	4,070	3,700	4,510	4,100
GE	Hedge/Member	Mnths 7+	Increase	USD	3,700	3,700	4,100	4,100

GULF COAST ULSD CALENDAR FUT (LY)

LY	Spec	Mnth 1	Increase	USD	4,180	3,800	4,620	4,200
LY	Hedge/Member	Mnth 1	Increase	USD	3,800	3,800	4,200	4,200
LY	Spec	Mnths 2-6	Increase	USD	3,960	3,600	4,400	4,000
LY	Hedge/Member	Mnths 2-6	Increase	USD	3,600	3,600	4,000	4,000
LY	Spec	Mnths 7-12	Increase	USD	3,630	3,300	4,070	3,700
LY	Hedge/Member	Mnths 7-12	Increase	USD	3,300	3,300	3,700	3,700
LY	Spec	Mnths 13+	Increase	USD	3,300	3,000	3,740	3,400
LY	Hedge/Member	Mnths 13+	Increase	USD	3,000	3,000	3,400	3,400

JAPAN C&F NAPHTHA FUT (JA)

JA	Spec	Mnth 1	Increase	USD	28,600	26,000	33,000	30,000
JA	Hedge/Member	Mnth 1	Increase	USD	26,000	26,000	30,000	30,000
JA	Spec	Mnths 2-6	Increase	USD	28,600	26,000	33,000	30,000
JA	Hedge/Member	Mnths 2-6	Increase	USD	26,000	26,000	30,000	30,000
JA	Spec	Mnths 7+	Increase	USD	28,600	26,000	33,000	30,000
JA	Hedge/Member	Mnths 7+	Increase	USD	26,000	26,000	30,000	30,000

LA CARB DIESEL (OPIS) (LX)

LX	Spec	Mnth 1	Increase	USD	4,675	4,250	5,225	4,750
LX	Hedge/Member	Mnth 1	Increase	USD	4,250	4,250	4,750	4,750
LX	Spec	Mnths 2-6	Increase	USD	4,675	4,250	5,225	4,750
LX	Hedge/Member	Mnths 2-6	Increase	USD	4,250	4,250	4,750	4,750
LX	Spec	Mnths 7+	Increase	USD	4,675	4,250	5,225	4,750
LX	Hedge/Member	Mnths 7+	Increase	USD	4,250	4,250	4,750	4,750

MIN 1% FUEL OIL CIF CARGOES FUTURES (MFP)

MFP	Spec		Increase	USD	2,365	2,150	2,695	2,450
MFP	Hedge/Member		Increase	USD	2,150	2,150	2,450	2,450

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

MIN EURO NPHTHA CIF NWE FUT (MNC)

MNC	Spec	Mths 1	Increase	USD	3,410	3,100	3,740	3,400
MNC	Hedge/Member	Mths 1	Increase	USD	3,100	3,100	3,400	3,400
MNC	Spec	Mths 2-6	Increase	USD	2,915	2,650	3,245	2,950
MNC	Hedge/Member	Mths 2-6	Increase	USD	2,650	2,650	2,950	2,950
MNC	Spec	Mnths 7+	Increase	USD	2,695	2,450	3,025	2,750
MNC	Hedge/Member	Mnths 7+	Increase	USD	2,450	2,450	2,750	2,750

MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)

MJN	Spec	Mnth 1	Increase	USD	2,860	2,600	3,300	3,000
MJN	Hedge/Member	Mnth 1	Increase	USD	2,600	2,600	3,000	3,000
MJN	Spec	Mnths 2-6	Increase	USD	2,860	2,600	3,300	3,000
MJN	Hedge/Member	Mnths 2-6	Increase	USD	2,600	2,600	3,000	3,000
MJN	Spec	Mnths 7+	Increase	USD	2,860	2,600	3,300	3,000
MJN	Hedge/Member	Mnths 7+	Increase	USD	2,600	2,600	3,000	3,000

MINI GAS EUROBOB OXY BARGES FUT (MEO)

MEO	Spec	Mnths 2-6	Increase	USD	3,190	2,900	3,300	3,000
MEO	Hedge/Member	Mnths 2-6	Increase	USD	2,900	2,900	3,000	3,000
MEO	Spec	Mnths 7+	Increase	USD	3,080	2,800	3,190	2,900
MEO	Hedge/Member	Mnths 7+	Increase	USD	2,800	2,800	2,900	2,900

MINI SINGAPORE 380CST FUEL OIL FUT (MTS)

MTS	Spec	Mnth 1	Increase	USD	1,980	1,800	2,200	2,000
MTS	Hedge/Member	Mnth 1	Increase	USD	1,800	1,800	2,000	2,000
MTS	Spec	Mnths 2-6	Increase	USD	1,980	1,800	2,200	2,000
MTS	Hedge/Member	Mnths 2-6	Increase	USD	1,800	1,800	2,000	2,000
MTS	Spec	Mnths 7+	Increase	USD	1,980	1,800	2,200	2,000
MTS	Hedge/Member	Mnths 7+	Increase	USD	1,800	1,800	2,000	2,000

MINI SINGAPORE GASOIL PLATS FUTURES (MSG)

MSG	Spec	Mnth 1	Increase	USD	347	315	402	365
MSG	Hedge/Member	Mnth 1	Increase	USD	315	315	365	365
MSG	Spec	Mnths 2-6	Increase	USD	347	315	402	365
MSG	Hedge/Member	Mnths 2-6	Increase	USD	315	315	365	365
MSG	Spec	Mnths 7+	Increase	USD	330	300	385	350
MSG	Hedge/Member	Mnths 7+	Increase	USD	300	300	350	350

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

MINI SINGP FUEL OIL 180CST FUTURES (0F)

0F	Spec	Mnth 2	Increase	USD	2,013	1,830	2,200	2,000
0F	Hedge/Member	Mnth 2	Increase	USD	1,830	1,830	2,000	2,000
0F	Spec	Mnths 3-7	Increase	USD	2,013	1,830	2,200	2,000
0F	Hedge/Member	Mnths 3-7	Increase	USD	1,830	1,830	2,000	2,000
0F	Spec	Mnths 8+	Increase	USD	1,870	1,700	2,090	1,900
0F	Hedge/Member	Mnths 8+	Increase	USD	1,700	1,700	1,900	1,900

MOGAS92 UNLEADED (PLATTS) FUT (1N)

1N	Spec	Mnths 2+	Increase	USD	3,850	3,500	4,400	4,000
1N	Hedge/Member	Mnths 2+	Increase	USD	3,500	3,500	4,000	4,000
1N	Spec	Mnth 1	Increase	USD	3,850	3,500	4,400	4,000
1N	Hedge/Member	Mnth 1	Increase	USD	3,500	3,500	4,000	4,000

NY HARBOR RESIDUAL FUEL 1.0% S FUT (MM)

MM	Spec	Mnth 1	Increase	USD	3,300	3,000	3,740	3,400
MM	Hedge/Member	Mnth 1	Increase	USD	3,000	3,000	3,400	3,400
MM	Spec	Mnths 2-6	Increase	USD	3,300	3,000	3,740	3,400
MM	Hedge/Member	Mnths 2-6	Increase	USD	3,000	3,000	3,400	3,400
MM	Spec	Mnths 7+	Increase	USD	3,080	2,800	3,520	3,200
MM	Hedge/Member	Mnths 7+	Increase	USD	2,800	2,800	3,200	3,200

SINGAPORE 380CST FUEL OIL FUT (SE)

SE	Spec	Mnth 1	Increase	USD	19,800	18,000	22,000	20,000
SE	Hedge/Member	Mnth 1	Increase	USD	18,000	18,000	20,000	20,000
SE	Spec	Mnths 2-6	Increase	USD	19,800	18,000	22,000	20,000
SE	Hedge/Member	Mnths 2-6	Increase	USD	18,000	18,000	20,000	20,000
SE	Spec	Mnths 7+	Increase	USD	19,800	18,000	22,000	20,000
SE	Hedge/Member	Mnths 7+	Increase	USD	18,000	18,000	20,000	20,000

SINGAPORE FUEL 180CST CALFUT (UA)

UA	Spec	Mnth 2	Increase	USD	20,130	18,300	22,000	20,000
UA	Hedge/Member	Mnth 2	Increase	USD	18,300	18,300	20,000	20,000
UA	Spec	Mnths 3-7	Increase	USD	20,130	18,300	22,000	20,000
UA	Hedge/Member	Mnths 3-7	Increase	USD	18,300	18,300	20,000	20,000
UA	Spec	Mnths 8+	Increase	USD	18,700	17,000	20,900	19,000
UA	Hedge/Member	Mnths 8+	Increase	USD	17,000	17,000	19,000	19,000

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

SINGAPORE GASOIL FUT (SG)

SG	Spec	Mnth 1	Increase	USD	3,465	3,150	4,015	3,650
SG	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,650	3,650
SG	Spec	Mnths 2-6	Increase	USD	3,465	3,150	4,015	3,650
SG	Hedge/Member	Mnths 2-6	Increase	USD	3,150	3,150	3,650	3,650
SG	Spec	Mnths 7+	Increase	USD	3,300	3,000	3,850	3,500
SG	Hedge/Member	Mnths 7+	Increase	USD	3,000	3,000	3,500	3,500

SYNTHET GULF COAST NO.6 FUEL OIL 3 (SMF)

SMF	Spec	Mnth 1	Increase	USD	3,520	3,200	3,740	3,400
SMF	Hedge/Member	Mnth 1	Increase	USD	3,200	3,200	3,400	3,400
SMF	Spec	Mnths 2-6	Increase	USD	3,300	3,000	3,520	3,200
SMF	Hedge/Member	Mnths 2-6	Increase	USD	3,000	3,000	3,200	3,200
SMF	Spec	Mnths 7+	Increase	USD	2,750	2,500	2,970	2,700
SMF	Hedge/Member	Mnths 7+	Increase	USD	2,500	2,500	2,700	2,700

SYNTHETIC SINGAPORE GASOIL FUT (SSG)

SSG	Spec	Mnth 1	Increase	USD	3,465	3,150	4,015	3,650
SSG	Hedge/Member	Mnth 1	Increase	USD	3,150	3,150	3,650	3,650
SSG	Spec	Mnths 2-6	Increase	USD	3,465	3,150	4,015	3,650
SSG	Hedge/Member	Mnths 2-6	Increase	USD	3,150	3,150	3,650	3,650
SSG	Spec	Mnths 7+	Increase	USD	3,300	3,000	3,850	3,500
SSG	Hedge/Member	Mnths 7+	Increase	USD	3,000	3,000	3,500	3,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

AGRICULTURE - Intra Spreads

Month 3 vs Months 8+ (LEAN HOG FUTURES)

LN	Spec	Increase	USD	770	700	990	900
LN	Hedge/Member	Increase	USD	700	700	900	900

Month 3 vs Months 8+ (LEAN HOGS TRADE AT SETTLE)

HET	Spec	Increase	USD	770	700	990	900
HET	Hedge/Member	Increase	USD	700	700	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ELECTRICITY - Intra Spreads								
CAISO SP15 EZ GEN 5 MW PEAK MTH-DAY-AHEAD LMP SWAP - All Months (CAISO SP15 EZGNHUB5 MW P DAY A)								
9X	Spec		Increase	USD	182	165	270	245
9X	Hedge/Member		Increase	USD	165	165	245	245
Cinergy Hub Peak - All Months (MISO INDIANA HUB PEAK MONTH FUT)								
EM	Spec		Increase	USD	1,925	1,750	3,850	3,500
EM	Hedge/Member		Increase	USD	1,750	1,750	3,500	3,500
ERCOT North Zone MCPE 50 MW Off-Peak Calendar Day Swap Futures - (3F) - All Months ()								
3F	Spec		Increase	USD	660	600	1,320	1,200
3F	Hedge/Member		Increase	USD	600	600	1,200	1,200
ERCOT North Zone MCPE 50 MW Off-Peak Calendar Day Swap Futures - (3F) - All Months (ERCOT NRTH 345 KV HUB OFFPK CLN D)								
I8	Spec		Increase	USD	66	60	132	120
I8	Hedge/Member		Increase	USD	60	60	120	120
ISO NEW ENGLAND INTERNAL HUB PEAK LMP SWAP FUTURES - All Months (ISO NEW ENGLAND PEAK LMP FUT)								
NI	Spec		Increase	USD	7,755	7,050	11,000	10,000
NI	Hedge/Member		Increase	USD	7,050	7,050	10,000	10,000
NEPOOL CONN 5MW DAY AHEAD PEAK - All Months (NEPOOL CONECTIC 5MW D AH PK)								
P2	Spec		Increase	USD	440	400	880	800
P2	Hedge/Member		Increase	USD	400	400	800	800
NEPOOL INTER HUB 5MW DAY AHEAD OFF PEAK - All Months (NEPOOL INTR HUB 5MW D AH O PK)								
H2	Spec		Increase	USD	33	30	55	50
H2	Hedge/Member		Increase	USD	30	30	50	50
NEPOOL RHODE ISLAND 5MW DAY AHEAD OFF PEAK - All Months (NEPOOL RHODE IL 5MW D AH O PK)								
U5	Spec		Increase	USD	33	30	50	45
U5	Hedge/Member		Increase	USD	30	30	45	45
NEPOOL RHODE ISLAND 5MW DAY AHEAD PEAK - All Months (NEPOOL RHD ISLD 5MW D AH PK)								
U4	Spec		Increase	USD	550	500	1,100	1,000
U4	Hedge/Member		Increase	USD	500	500	1,000	1,000
NEPOOL W CENTRAL M 5MW DAY AHEAD PEAK - All Months (NEPOOL W CNTR M 5MW D AH PK)								
R6	Spec		Increase	USD	660	600	1,100	1,000
R6	Hedge/Member		Increase	USD	600	600	1,000	1,000
NEPOOL W CENTRAL MASS 5 MW DAY AHEAD OFF PEAK - All Months (NEPOOL W CNT MASS 5MW D AH O PK)								
L9	Spec		Increase	USD	44	40	61	55
L9	Hedge/Member		Increase	USD	40	40	55	55

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NYISO ZONE E 5MW DAY AHEAD PEAK - All Months (NYISO ZONE E 5MW PK CAL MO FUT)								
55	Spec		Increase	USD	440	400	688	625
55	Hedge/Member		Increase	USD	400	400	625	625
NYISO ZONE G 5MW DAY AHEAD OFF PEAK - All Months (NYISO ZONE G 5MW D AH O PK)								
D2	Spec		Increase	USD	33	30	50	45
D2	Hedge/Member		Increase	USD	30	30	45	45
NYISO Zone G Peak Monthly Swap - All Months (NYISO G)								
KG	Spec		Increase	USD	2,750	2,500	4,070	3,700
KG	Hedge/Member		Increase	USD	2,500	2,500	3,700	3,700
NYISO Zone G Peak Monthly Swap - All Months (NYISO ZONE G 5MW D AH PK)								
T3	Spec		Increase	USD	550	500	814	740
T3	Hedge/Member		Increase	USD	500	500	740	740
NYISO Zone J LBMP Swap - Off-Peak - All Months (NYISO J OFF-PEAK)								
KK	Spec		Increase	USD	5,500	5,000	6,600	6,000
KK	Hedge/Member		Increase	USD	5,000	5,000	6,000	6,000
NYISO Zone J LBMP Swap - Peak - All Months (NYISO J)								
KJ	Spec		Increase	USD	3,190	2,900	3,850	3,500
KJ	Hedge/Member		Increase	USD	2,900	2,900	3,500	3,500
NYISO Zone J LBMP Swap - Peak - All Months (NYISO ZONE J 5MW D AH PK)								
D3	Spec		Increase	USD	638	580	770	700
D3	Hedge/Member		Increase	USD	580	580	700	700
PJM AECO Zone Peak Calendar-Month Day-Ahead LMP - All Months (PJM AECO DA PEAK)								
Y1	Spec		Increase	USD	385	350	770	700
Y1	Hedge/Member		Increase	USD	350	350	700	700
PJM ATSI ZONE 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES - All Months (PJM ASTI ZONE PEAK DA MO)								
MOD	Spec		Increase	USD	11	10	22	20
MOD	Hedge/Member		Increase	USD	10	10	20	20
PJM ATSI ZONE 5 MW PEAK CALENDAR-MONTH DAY-AHEAD SWAP FUTURES - All Months (PJM ATSI ZONE MONTHLY DAILY)								
MPD	Spec		Increase	USD	220	200	330	300
MPD	Hedge/Member		Increase	USD	200	200	300	300
PJM COM-ED 5MW DAY AHEAD PEAK - All Months (PJM COMED 5MW D AH PK)								
D8	Spec		Increase	USD	275	250	358	325
D8	Hedge/Member		Increase	USD	250	250	325	325

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PJM Financially Settled Monthly Electricity Futures - All Months (PJM OFF-PEAK LMP FUT)

JP	Spec		Increase	USD	2,530	2,300	4,400	4,000
JP	Hedge/Member		Increase	USD	2,300	2,300	4,000	4,000

PJM Meted Zone Peak Calendar-Month Day-Ahead LMP - All Months (PJM METED ZONE PK CAL LMP FUTURES)

47	Spec		Increase	USD	330	300	440	400
47	Hedge/Member		Increase	USD	300	300	400	400

PJM PSEG Zone Peak Calendar-Month Day-Ahead LMP - All Months (PJM PSEG DA PEAK)

L6	Spec		Increase	USD	220	200	440	400
L6	Hedge/Member		Increase	USD	200	200	400	400

PJM Western Hub Off-Peak Calendar-Month Day Ahead - All Months (PJM WESTH DA OFF-PEAK)

E4	Spec		Increase	USD	11	10	17	15
E4	Hedge/Member		Increase	USD	10	10	15	15

PJM WESTERN HUB PEAK CALENDAR-MONTH (J4) - All Months (PJM WESTHDA PEAK)

J4	Spec		Increase	USD	220	200	385	350
J4	Hedge/Member		Increase	USD	200	200	350	350

PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK CAL MON REAL TIME)

L1	Spec		Increase	USD	242	220	297	270
L1	Hedge/Member		Increase	USD	220	220	270	270

PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK LMP 50 MW)

4S	Spec		Increase	USD	2,420	2,200	2,970	2,700
4S	Hedge/Member		Increase	USD	2,200	2,200	2,700	2,700

ETHANOL - Intra Spreads

Chicago Ethanol (Platts) Swap, Mth 2 vs. Mths 8+ (CHICAGO ETHANOL FUT)

CU	Spec		Increase	USD	743	675	1,183	1,075
CU	Hedge/Member		Increase	USD	675	675	1,075	1,075

Chicago Ethanol (Platts) Swap, Mths 3-7 vs. Mths 8+ (CHICAGO ETHANOL FUT)

CU	Spec		Increase	USD	1,155	1,050	1,430	1,300
CU	Hedge/Member		Increase	USD	1,050	1,050	1,300	1,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
FX - Intra Spreads								
Mexican Peso (MP) - Months 13+ vs 13+ (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			248	225
MP	Hedge/Member		New	USD			225	225
Mexican Peso (MP) - Months 1-6 (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			165	150
MP	Hedge/Member		New	USD			150	150
Mexican Peso (MP) - Months 1-6 vs 13+ (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			248	225
MP	Hedge/Member		New	USD			225	225
Mexican Peso (MP) - Months 1-6 vs 7-12 (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			248	225
MP	Hedge/Member		New	USD			225	225
Mexican Peso (MP) - Months 7-12 vs 13+ (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			248	225
MP	Hedge/Member		New	USD			225	225
Mexican Peso (MP) - Months 7-12 vs 7-12 (MEXICAN PESO FUTURES)								
MP	Spec		New	USD			248	225
MP	Hedge/Member		New	USD			225	225
METALS - Intra Spreads								
Calendar-Spread-GCK-001-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Increase	USD	66	60	77	70
GCK	Hedge/Member		Increase	USD	60	60	70	70
Calendar-Spread-GCK-001-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Increase	USD	72	65	83	75
GCK	Hedge/Member		Increase	USD	65	65	75	75
Calendar-Spread-GCK-002-GCK-006 (GOLD KILO FUTURES)								
GCK	Spec		Increase	USD	61	55	72	65
GCK	Hedge/Member		Increase	USD	55	55	65	65
Calendar-Spread-GCK-002-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Increase	USD	72	65	83	75
GCK	Hedge/Member		Increase	USD	65	65	75	75
Calendar-Spread-GCK-003-GCK-007 (GOLD KILO FUTURES)								
GCK	Spec		Increase	USD	55	50	72	65
GCK	Hedge/Member		Increase	USD	50	50	65	65

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

PETROLEUM CRACKS AND SPREADS - Intra Spreads

GULF COAST JET VS. NYMEX #2 HEA (ME) - All Months (GLFCST JET PLATTS UP/DN FUT)

ME	Spec		Decrease	USD	1,100	1,000	825	750
ME	Hedge/Member		Decrease	USD	1,000	1,000	750	750

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						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE G 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-D2 - CME)						
Spread Credit Rate	Decrease	+1:-194	35%	35%	20%	20%
MISO Indiana Hub (formerly Cinergy Hub) 5 Month Peak Calendar-Month Real-Time Futures (NY-H3-CME) vs MISO Michigan Hub 5 MW Peak Calendar-Month Day-Ahead Futures (NY-HMW-CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	60%	60%
MISO Indiana Hub (formerly Cinergy Hub) Day-Ahead Peak Calendar-Month 5 MW Futures (NY-H5-CME) vs MISO Michigan Hub 5 MW Peak Calendar-Month Day-Ahead Futures (NY-HMW-CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	60%	60%
MISO Indiana Hub Real-Time Off-Peak Calendar-Month 5 MW Futures (NY-FTM-CME) vs PJM Western Hub Real-Time Peak Calendar-Month 2.5 MW Futures (NY-JM-CME)						
Spread Credit Rate	Decrease	+168:-1	55%	55%	45%	45%
MISO Michigan Hub 5 MW Peak Calendar-Month Day-Ahead Futures (NY-HMW-CME) vs PJM BGE Zone Peak Calendar-Month Day-Ahead LMP Futures (NY-E3-CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
PJM Western Hub Real-Time Peak Calendar-Month 2.5 MW Futures (NY-JM-CME) vs MISO Michigan Hub 5 MW Peak Calendar-Month Day-Ahead Futures (NY-HMW-CME)						
Spread Credit Rate	Decrease	+1:-10	70%	70%	55%	55%
NATURAL GAS - Inter-commodity Spread Rates						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs NYISO ZONE G 5 MW OFF-PEAK CALENDAR-MONTH DAY-AHEAD LBMP SWAP FUTURES (NY-D2 - CME)						
Spread Credit Rate	Decrease	+1:-194	35%	35%	20%	20%
REFINED PRODUCTS - Inter-commodity Spread Rates						
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	92%	92%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs HEATING OIL FINANCIAL FUTURES (NY-BH - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	92%	92%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	92%	92%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1	90%	90%	92%	92%