



21-476

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Tuesday, December 21, 2021

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<http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html>

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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, December 22, 2021.

Current rates as of:

Tuesday, December 21, 2021.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
ROUGH RICE FUTURES (14)								
14	Non-HRP	Month 1	Decrease	USD	900	900	775	775
14	HRP	Month 1	Decrease	USD	990	900	853	775
14	Non-HRP	Month 2	Decrease	USD	800	800	700	700
14	HRP	Month 2	Decrease	USD	880	800	770	700
14	Non-HRP	Months 3+	Decrease	USD	750	750	650	650
14	HRP	Months 3+	Decrease	USD	825	750	715	650
CRUDE OIL - Outright Rates								
ARGUS LLS TRADE MONTH FUT (A4)								
A4	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
A4	HRP		Increase	USD	4,400	4,000	5,280	4,800
ARGUS SOUR CRUDE IDX CAL MTH FUT (37)								
37	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
37	HRP		Increase	USD	4,400	4,000	5,280	4,800
ARGUS SOUR CRUDE IND WGT(ASCI) TRD (29)								
29	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
29	HRP		Increase	USD	4,400	4,000	5,280	4,800
ARGUS WTI FORMULA BASIS CAL FUT (39)								
39	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
39	HRP		Increase	USD	4,400	4,000	5,280	4,800
DATED BRENT (PLATTS) DAILY FUT (7G)								
7G	Non-HRP		Increase	USD	4,300	4,300	5,000	5,000
7G	HRP		Increase	USD	4,730	4,300	5,500	5,000
DUBAI CRUDE OIL CALENDAR FUT (DC)								
DC	Non-HRP	Mnth1	Increase	USD	5,000	5,000	5,400	5,400
DC	HRP	Mnth1	Increase	USD	5,500	5,000	5,940	5,400
DC	Non-HRP	Mnth 2	Increase	USD	4,900	4,900	5,350	5,350
DC	HRP	Mnth 2	Increase	USD	5,390	4,900	5,885	5,350
DC	Non-HRP	Mnth 3-8	Increase	USD	4,800	4,800	5,300	5,300
DC	HRP	Mnth 3-8	Increase	USD	5,280	4,800	5,830	5,300
DC	Non-HRP	Mnth9+	Increase	USD	4,200	4,200	4,700	4,700
DC	HRP	Mnth9+	Increase	USD	4,620	4,200	5,170	4,700
MARS (ARGUS) TRADE MONTH FUT (MO)								
MO	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
MO	HRP		Increase	USD	4,400	4,000	5,280	4,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MARS(ARGUS) CALENDAR FUT (MX)								
MX	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
MX	HRP		Increase	USD	4,400	4,000	5,280	4,800
MINI DUBAI CRUDE OIL (PLATTS) FUT (DBL)								
DBL	Non-HRP	Mnth1	Increase	USD	500	500	540	540
DBL	HRP	Mnth1	Increase	USD	550	500	594	540
DBL	Non-HRP	Mnth 2	Increase	USD	490	490	535	535
DBL	HRP	Mnth 2	Increase	USD	539	490	589	535
DBL	Non-HRP	Mnth 3-8	Increase	USD	480	480	530	530
DBL	HRP	Mnth 3-8	Increase	USD	528	480	583	530
DBL	Non-HRP	Mnth9+	Increase	USD	420	420	470	470
DBL	HRP	Mnth9+	Increase	USD	462	420	517	470
WTI HOUSTON (ARGUS) FINANCIAL FUT (HIA)								
HIA	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
HIA	HRP		Increase	USD	4,400	4,000	5,280	4,800
WTI HOUSTON (ARGUS) TRADE MONTH FUT (HTA)								
HTA	Non-HRP		Increase	USD	4,300	4,300	5,000	5,000
HTA	HRP		Increase	USD	4,730	4,300	5,500	5,000
WTI MIDLAND (ARGUS) FINANCIAL FUT (XB)								
XB	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
XB	HRP		Increase	USD	4,400	4,000	5,280	4,800
WTI MIDLAND (ARGUS) TRADE MONTH FUT (WTI)								
WTI	Non-HRP	Mnth 1	Increase	USD	4,000	4,000	4,800	4,800
WTI	HRP	Mnth 1	Increase	USD	4,400	4,000	5,280	4,800
WTI	Non-HRP	Mnth 2	Increase	USD	3,950	3,950	4,750	4,750
WTI	HRP	Mnth 2	Increase	USD	4,345	3,950	5,225	4,750
WTI	Non-HRP	Mnths 3-6	Increase	USD	3,750	3,750	4,500	4,500
WTI	HRP	Mnths 3-6	Increase	USD	4,125	3,750	4,950	4,500
WTI	Non-HRP	Mnths 7+	Increase	USD	3,500	3,500	4,250	4,250
WTI	HRP	Mnths 7+	Increase	USD	3,850	3,500	4,675	4,250
WTS (ARGUS) TRADE MONTH FUT (AY)								
AY	Non-HRP		Increase	USD	4,000	4,000	4,800	4,800
AY	HRP		Increase	USD	4,400	4,000	5,280	4,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

WTS (ARGUS) FINANCIAL FUTURES (WTS)

WTS	Non-HRP	Mnth 1	Increase	USD	4,000	4,000	4,800	4,800
WTS	HRP	Mnth 1	Increase	USD	4,400	4,000	5,280	4,800
WTS	Non-HRP	Mnth 2	Increase	USD	3,800	3,800	4,600	4,600
WTS	HRP	Mnth 2	Increase	USD	4,180	3,800	5,060	4,600
WTS	Non-HRP	Mnths 3-6	Increase	USD	3,700	3,700	4,500	4,500
WTS	HRP	Mnths 3-6	Increase	USD	4,070	3,700	4,950	4,500
WTS	Non-HRP	Mnths 7+	Increase	USD	3,400	3,400	4,200	4,200
WTS	HRP	Mnths 7+	Increase	USD	3,740	3,400	4,620	4,200

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
CRUDE OIL SPREADS - Outright Rates								
ARGUS LLS VS. WTI (ARG) TRD M (E5)								
E5	Non-HRP	Mnth 5-11	Decrease	USD	410	410	350	350
E5	HRP	Mnth 5-11	Decrease	USD	451	410	385	350
DATED BRENT VS. BRENT SECOND MO FUT (59)								
59	Non-HRP		Increase	USD	1,750	1,750	2,200	2,200
59	HRP		Increase	USD	1,925	1,750	2,420	2,200
HARDISTY W CANADIAN SELECT MONTHLY (WCW)								
WCW	Non-HRP	Mnth 2	Increase	USD	1,300	1,300	1,500	1,500
WCW	HRP	Mnth 2	Increase	USD	1,430	1,300	1,650	1,500
WCW	Non-HRP	Mnths 3+	Increase	USD	1,300	1,300	1,500	1,500
WCW	HRP	Mnths 3+	Increase	USD	1,430	1,300	1,650	1,500
ICE BRENT DUBAI FUT (DB)								
DB	Non-HRP	Mnth 1	Decrease	USD	450	450	400	400
DB	HRP	Mnth 1	Decrease	USD	495	450	440	400
DB	Non-HRP	Mnth 2	Decrease	USD	420	420	370	370
DB	HRP	Mnth 2	Decrease	USD	462	420	407	370
URALS MED VS DATED BRENT FUTURE (UMD)								
UMD	Non-HRP	Mnth 1	Decrease	USD	1,500	1,500	1,200	1,200
UMD	HRP	Mnth 1	Decrease	USD	1,650	1,500	1,320	1,200
UMD	Non-HRP	Mnths 2+	Decrease	USD	1,200	1,200	900	900
UMD	HRP	Mnths 2+	Decrease	USD	1,320	1,200	990	900
URALS NORTH VS MED DATED BRENT FUT (UNS)								
UNS	Non-HRP	Mnth 1	Decrease	USD	1,500	1,500	1,200	1,200
UNS	HRP	Mnth 1	Decrease	USD	1,650	1,500	1,320	1,200
UNS	Non-HRP	Mnths 2+	Decrease	USD	1,200	1,200	900	900
UNS	HRP	Mnths 2+	Decrease	USD	1,320	1,200	990	900
WTI HOUSTON ARGUS V.WTI TRADE MONTH (HTT)								
HTT	Non-HRP	Mnth1	Decrease	USD	800	800	700	700
HTT	HRP	Mnth1	Decrease	USD	880	800	770	700
WTI HOUSTON VS. DUBAI CAL MO FUT (WDB)								
WDB	Non-HRP	Mnth 1	Decrease	USD	2,000	2,000	1,700	1,700
WDB	HRP	Mnth 1	Decrease	USD	2,200	2,000	1,870	1,700
WDB	Non-HRP	Mnths 2-7	Decrease	USD	1,800	1,800	1,500	1,500
WDB	HRP	Mnths 2-7	Decrease	USD	1,980	1,800	1,650	1,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

WTI HOUSTON VS. DUBAI TRADE MO FUT (WHD)

WHD	Non-HRP	Mnth 1	Decrease	USD	2,000	2,000	1,600	1,600
WHD	HRP	Mnth 1	Decrease	USD	2,200	2,000	1,760	1,600
WHD	Non-HRP	Mnths 2-7	Decrease	USD	1,800	1,800	1,400	1,400
WHD	HRP	Mnths 2-7	Decrease	USD	1,980	1,800	1,540	1,400

WTI MIDLAND VS. DUBAI CAL MO FUT (WTD)

WTD	Non-HRP	Mnth 1	Decrease	USD	2,800	2,800	2,000	2,000
WTD	HRP	Mnth 1	Decrease	USD	3,080	2,800	2,200	2,000
WTD	Non-HRP	Mnths 2-7	Decrease	USD	2,800	2,800	2,000	2,000
WTD	HRP	Mnths 2-7	Decrease	USD	3,080	2,800	2,200	2,000
WTD	Non-HRP	Mnths 8+	Decrease	USD	2,800	2,800	2,000	2,000
WTD	HRP	Mnths 8+	Decrease	USD	3,080	2,800	2,200	2,000

DME Products - Outright Rates

DME OMAN CRUDE CAL FUT (ODO)

ODO	Non-HRP	Mnth 1	Increase	USD	5,000	5,000	5,500	5,500
ODO	HRP	Mnth 1	Increase	USD	5,500	5,000	6,050	5,500
ODO	Non-HRP	Mnths 2-3	Increase	USD	4,800	4,800	5,400	5,400
ODO	HRP	Mnths 2-3	Increase	USD	5,280	4,800	5,940	5,400
ODO	Non-HRP	Mnths 4-8	Increase	USD	4,500	4,500	5,200	5,200
ODO	HRP	Mnths 4-8	Increase	USD	4,950	4,500	5,720	5,200
ODO	Non-HRP	Mnths 9+	Increase	USD	4,000	4,000	4,700	4,700
ODO	HRP	Mnths 9+	Increase	USD	4,400	4,000	5,170	4,700

SPORE MOGAS 92UNLD(PLTS)VS DME OMAN (DDE)

DDE	Non-HRP	Month 1	Increase	USD	2,300	2,300	2,600	2,600
DDE	HRP	Month 1	Increase	USD	2,530	2,300	2,860	2,600
DDE	Non-HRP	Month 2+	Increase	USD	2,100	2,100	2,500	2,500
DDE	HRP	Month 2+	Increase	USD	2,310	2,100	2,750	2,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
ELECTRICITY - Outright Rates								
GERMAN POWER PEAKLOAD CAL MONTH FUT (DEP)								
DEP	Non-HRP	Mnths 7-9	Increase	EUR	6,000	6,000	7,500	7,500
DEP	HRP	Mnths 7-9	Increase	EUR	6,600	6,000	8,250	7,500
DEP	Non-HRP	Mnths 10+	Increase	EUR	4,000	4,000	5,500	5,500
DEP	HRP	Mnths 10+	Increase	EUR	4,400	4,000	6,050	5,500
ITALIAN POWER BASELOAD GME CAL FUT (ITB)								
ITB	Non-HRP	Mnth 1	Increase	EUR	13,000	13,000	18,000	18,000
ITB	HRP	Mnth 1	Increase	EUR	14,300	13,000	19,800	18,000
ITB	Non-HRP	Mnth 2	Increase	EUR	13,000	13,000	18,000	18,000
ITB	HRP	Mnth 2	Increase	EUR	14,300	13,000	19,800	18,000
ITB	Non-HRP	Mnth 3	Increase	EUR	12,000	12,000	17,000	17,000
ITB	HRP	Mnth 3	Increase	EUR	13,200	12,000	18,700	17,000
ITB	Non-HRP	Mnths 4-9	Increase	EUR	12,000	12,000	17,000	17,000
ITB	HRP	Mnths 4-9	Increase	EUR	13,200	12,000	18,700	17,000
ITB	Non-HRP	Mnths 10+	Increase	EUR	3,100	3,100	4,500	4,500
ITB	HRP	Mnths 10+	Increase	EUR	3,410	3,100	4,950	4,500
ITALIAN POWER PEAKLOAD GME CAL FUT (ITP)								
ITP	Non-HRP	Mnth 1	Increase	EUR	8,000	8,000	10,000	10,000
ITP	HRP	Mnth 1	Increase	EUR	8,800	8,000	11,000	10,000
ITP	Non-HRP	Mnth 2	Increase	EUR	8,000	8,000	10,000	10,000
ITP	HRP	Mnth 2	Increase	EUR	8,800	8,000	11,000	10,000
ITP	Non-HRP	Mnth 3	Increase	EUR	7,000	7,000	9,000	9,000
ITP	HRP	Mnth 3	Increase	EUR	7,700	7,000	9,900	9,000
ITP	Non-HRP	Mnths 4-9	Increase	EUR	7,000	7,000	9,000	9,000
ITP	HRP	Mnths 4-9	Increase	EUR	7,700	7,000	9,900	9,000
ITP	Non-HRP	Mnths 10+	Increase	EUR	1,800	1,800	2,700	2,700
ITP	HRP	Mnths 10+	Increase	EUR	1,980	1,800	2,970	2,700
JAPANESE POWER DAY-AHEAD PEAKLOAD (JPT)								
JPT	Non-HRP	Mnth 2	Increase	JPY	700,000	700,000	925,000	925,000
JPT	HRP	Mnth 2	Increase	JPY	770,000	700,000	1,017,500	925,000
JPT	Non-HRP	Mnths 3+	Increase	JPY	400,000	400,000	525,000	525,000
JPT	HRP	Mnths 3+	Increase	JPY	440,000	400,000	577,500	525,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
JAPANESE POWER KANSAI BASE-LOAD (JBK)								
JBK	Non-HRP	Mnth 1	Increase	JPY	1,900,000	1,900,000	2,200,000	2,200,000
JBK	HRP	Mnth 1	Increase	JPY	2,090,000	1,900,000	2,420,000	2,200,000
JBK	Non-HRP	Mnth 2	Increase	JPY	1,100,000	1,100,000	1,500,000	1,500,000
JBK	HRP	Mnth 2	Increase	JPY	1,210,000	1,100,000	1,650,000	1,500,000
JBK	Non-HRP	Mnth 3	Increase	JPY	1,050,000	1,050,000	1,400,000	1,400,000
JBK	HRP	Mnth 3	Increase	JPY	1,155,000	1,050,000	1,540,000	1,400,000
JBK	Non-HRP	Mnths 4+	Increase	JPY	1,000,000	1,000,000	1,300,000	1,300,000
JBK	HRP	Mnths 4+	Increase	JPY	1,100,000	1,000,000	1,430,000	1,300,000
JAPANESE POWER KANSAI PEAK-LOAD (JPK)								
JPK	Non-HRP	Mnth 1	Increase	JPY	900,000	900,000	1,100,000	1,100,000
JPK	HRP	Mnth 1	Increase	JPY	990,000	900,000	1,210,000	1,100,000
JPK	Non-HRP	Mnth 2	Increase	JPY	600,000	600,000	800,000	800,000
JPK	HRP	Mnth 2	Increase	JPY	660,000	600,000	880,000	800,000
JPK	Non-HRP	Mnths 3+	Increase	JPY	400,000	400,000	500,000	500,000
JPK	HRP	Mnths 3+	Increase	JPY	440,000	400,000	550,000	500,000
JAPANESE POWER TOKYO BASE-LOAD (JBT)								
JBT	Non-HRP	Mnth 1	Increase	JPY	2,100,000	2,100,000	2,500,000	2,500,000
JBT	HRP	Mnth 1	Increase	JPY	2,310,000	2,100,000	2,750,000	2,500,000
JBT	Non-HRP	Mnth 2	Increase	JPY	1,400,000	1,400,000	1,850,000	1,850,000
JBT	HRP	Mnth 2	Increase	JPY	1,540,000	1,400,000	2,035,000	1,850,000
JBT	Non-HRP	Mnth 3	Increase	JPY	1,150,000	1,150,000	1,500,000	1,500,000
JBT	HRP	Mnth 3	Increase	JPY	1,265,000	1,150,000	1,650,000	1,500,000
JBT	Non-HRP	Mnths 4+	Increase	JPY	1,100,000	1,100,000	1,400,000	1,400,000
JBT	HRP	Mnths 4+	Increase	JPY	1,210,000	1,100,000	1,540,000	1,400,000
PJM WES HUB PEAK CAL MON REAL TIME (L1)								
L1	Non-HRP	Mnths 12	Increase	USD	250	250	300	300
L1	HRP	Mnths 12	Increase	USD	275	250	330	300
PJM WES HUB PEAK LMP 50 MW (4S)								
4S	Non-HRP	Mnths 12	Increase	USD	2,500	2,500	3,000	3,000
4S	HRP	Mnths 12	Increase	USD	2,750	2,500	3,300	3,000
PJM WESTHDA PEAK (J4)								
J4	Non-HRP	Mnths 12+	Increase	USD	260	260	310	310
J4	HRP	Mnths 12+	Increase	USD	286	260	341	310

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

METALS - Outright Rates

ALUMINIUM EURO PREM METAL BULLETIN (AEP)

AEP	Non-HRP	Mths 10+	Increase	USD	960	960	1,150	1,150
AEP	HRP	Mths 10+	Increase	USD	1,056	960	1,265	1,150

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	Non-HRP	Mnth 1	Increase	USD	88,000	88,000	120,000	120,000
TTB	HRP	Mnth 1	Increase	USD	96,800	88,000	132,000	120,000
TTB	Non-HRP	Mnths 2-3	Increase	USD	81,000	81,000	120,000	120,000
TTB	HRP	Mnths 2-3	Increase	USD	89,100	81,000	132,000	120,000
TTB	Non-HRP	Mnths 4	Increase	USD	40,000	40,000	58,000	58,000
TTB	HRP	Mnths 4	Increase	USD	44,000	40,000	63,800	58,000
TTB	Non-HRP	Mnths 5	Increase	USD	30,000	30,000	44,000	44,000
TTB	HRP	Mnths 5	Increase	USD	33,000	30,000	48,400	44,000
TTB	Non-HRP	Mnths 6-15	Increase	USD	30,000	30,000	43,000	43,000
TTB	HRP	Mnths 6-15	Increase	USD	33,000	30,000	47,300	43,000
TTB	Non-HRP	Mnths 16+	Increase	USD	12,500	12,500	15,000	15,000
TTB	HRP	Mnths 16+	Increase	USD	13,750	12,500	16,500	15,000

DUTCH TTF NATURAL GAS CAL MONTH FUT (TTF)

TTF	Non-HRP	Mnth 1	Increase	EUR	19,500	19,500	27,000	27,000
TTF	HRP	Mnth 1	Increase	EUR	21,450	19,500	29,700	27,000
TTF	Non-HRP	Mnth 2-3	Increase	EUR	18,000	18,000	25,300	25,300
TTF	HRP	Mnth 2-3	Increase	EUR	19,800	18,000	27,830	25,300
TTF	Non-HRP	Mnth 4	Increase	EUR	9,000	9,000	12,500	12,500
TTF	HRP	Mnth 4	Increase	EUR	9,900	9,000	13,750	12,500
TTF	Non-HRP	Mnths 5	Increase	EUR	8,000	8,000	11,000	11,000
TTF	HRP	Mnths 5	Increase	EUR	8,800	8,000	12,100	11,000
TTF	Non-HRP	Mnths 6-15	Increase	EUR	6,750	6,750	9,500	9,500
TTF	HRP	Mnths 6-15	Increase	EUR	7,425	6,750	10,450	9,500
TTF	Non-HRP	Mnth 16+	Increase	EUR	2,750	2,750	3,200	3,200
TTF	HRP	Mnth 16+	Increase	EUR	3,025	2,750	3,520	3,200

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	Non-HRP	Mnth 1	Increase	EUR	19,500	19,500	27,000	27,000
TTG	HRP	Mnth 1	Increase	EUR	21,450	19,500	29,700	27,000
TTG	Non-HRP	Mnth 2-3	Increase	EUR	18,000	18,000	25,300	25,300
TTG	HRP	Mnth 2-3	Increase	EUR	19,800	18,000	27,830	25,300
TTG	Non-HRP	Mnth 4	Increase	EUR	9,000	9,000	12,500	12,500
TTG	HRP	Mnth 4	Increase	EUR	9,900	9,000	13,750	12,500
TTG	Non-HRP	Mnths 5	Increase	EUR	8,000	8,000	11,000	11,000
TTG	HRP	Mnths 5	Increase	EUR	8,800	8,000	12,100	11,000
TTG	Non-HRP	Mnths 6-15	Increase	EUR	6,750	6,750	9,500	9,500
TTG	HRP	Mnths 6-15	Increase	EUR	7,425	6,750	10,450	9,500
TTG	Non-HRP	Mnth 16+	Increase	EUR	2,750	2,750	3,200	3,200
TTG	HRP	Mnth 16+	Increase	EUR	3,025	2,750	3,520	3,200
DUTCH TTF NATURAL GAS FIN DAY AHEAD (TTI)								
TTI	Non-HRP	Mnth 1	Increase	EUR	19,500	19,500	27,000	27,000
TTI	HRP	Mnth 1	Increase	EUR	21,450	19,500	29,700	27,000
TTI	Non-HRP	Mnth 2	Increase	EUR	19,500	19,500	25,500	25,500
TTI	HRP	Mnth 2	Increase	EUR	21,450	19,500	28,050	25,500
TTI	Non-HRP	Mnth 3-4	Increase	EUR	17,500	17,500	20,500	20,500
TTI	HRP	Mnth 3-4	Increase	EUR	19,250	17,500	22,550	20,500
TTI	Non-HRP	Mnths 5-6	Increase	EUR	9,000	9,000	12,500	12,500
TTI	HRP	Mnths 5-6	Increase	EUR	9,900	9,000	13,750	12,500
TTI	Non-HRP	Mnths 7-15	Increase	EUR	6,750	6,750	9,500	9,500
TTI	HRP	Mnths 7-15	Increase	EUR	7,425	6,750	10,450	9,500
TTI	Non-HRP	Mnth 16+	Increase	EUR	2,900	2,900	3,500	3,500
TTI	HRP	Mnth 16+	Increase	EUR	3,190	2,900	3,850	3,500
DUTCH TTF NATURAL GAS FRONT MTH FUT (TTE)								
TTE	Non-HRP	Mnth 1	Increase	USD	88,000	88,000	120,000	120,000
TTE	HRP	Mnth 1	Increase	USD	96,800	88,000	132,000	120,000
TTE	Non-HRP	Mnths 2-3	Increase	USD	81,000	81,000	120,000	120,000
TTE	HRP	Mnths 2-3	Increase	USD	89,100	81,000	132,000	120,000
TTE	Non-HRP	Mnths 4	Increase	USD	40,000	40,000	58,000	58,000
TTE	HRP	Mnths 4	Increase	USD	44,000	40,000	63,800	58,000
TTE	Non-HRP	Mnths 5	Increase	USD	30,000	30,000	44,000	44,000
TTE	HRP	Mnths 5	Increase	USD	33,000	30,000	48,400	44,000
TTE	Non-HRP	Mnths 6-15	Increase	USD	30,000	30,000	43,000	43,000
TTE	HRP	Mnths 6-15	Increase	USD	33,000	30,000	47,300	43,000
TTE	Non-HRP	Mnths 16+	Increase	USD	12,500	12,500	15,000	15,000
TTE	HRP	Mnths 16+	Increase	USD	13,750	12,500	16,500	15,000

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	Non-HRP	Month 1	Increase	USD	85,000	85,000	90,000	90,000
JKM	HRP	Month 1	Increase	USD	93,500	85,000	99,000	90,000
JKM	Non-HRP	Month 2	Increase	USD	67,500	67,500	80,000	80,000
JKM	HRP	Month 2	Increase	USD	74,250	67,500	88,000	80,000
JKM	Non-HRP	Month 3	Increase	USD	38,000	38,000	50,000	50,000
JKM	HRP	Month 3	Increase	USD	41,800	38,000	55,000	50,000
JKM	Non-HRP	Mnths 4	Increase	USD	32,000	32,000	45,000	45,000
JKM	HRP	Mnths 4	Increase	USD	35,200	32,000	49,500	45,000
JKM	Non-HRP	Mnths 5-11	Increase	USD	32,000	32,000	45,000	45,000
JKM	HRP	Mnths 5-11	Increase	USD	35,200	32,000	49,500	45,000
JKM	Non-HRP	Mnths 18+	Increase	USD	13,500	13,500	16,000	16,000
JKM	HRP	Mnths 18+	Increase	USD	14,850	13,500	17,600	16,000
JKM	Non-HRP	Months 12-17	Increase	USD	24,000	24,000	35,000	35,000
JKM	HRP	Months 12-17	Increase	USD	26,400	24,000	38,500	35,000
LNG JAPAN KOREA MRK YEN FUT (JKY)								
JKY	Non-HRP	Month 1	Increase	JPY	9,700,000	9,700,000	10,250,000	10,250,000
JKY	HRP	Month 1	Increase	JPY		9,700,000	11,275,000	10,250,000
JKY	Non-HRP	Month 2	Increase	JPY	7,650,000	7,650,000	9,150,000	9,150,000
JKY	HRP	Month 2	Increase	JPY	8,415,000	7,650,000	10,065,000	9,150,000
JKY	Non-HRP	Month 3	Increase	JPY	4,350,000	4,350,000	5,700,000	5,700,000
JKY	HRP	Month 3	Increase	JPY	4,785,000	4,350,000	6,270,000	5,700,000
JKY	Non-HRP	Mnths 4	Increase	JPY	4,300,000	4,300,000	5,150,000	5,150,000
JKY	HRP	Mnths 4	Increase	JPY	4,730,000	4,300,000	5,665,000	5,150,000
JKY	Non-HRP	Mnths 5-11	Increase	JPY	3,600,000	3,600,000	5,150,000	5,150,000
JKY	HRP	Mnths 5-11	Increase	JPY	3,960,000	3,600,000	5,665,000	5,150,000
JKY	Non-HRP	Mnths 12-17	Increase	JPY	2,700,000	2,700,000	4,000,000	4,000,000
JKY	HRP	Mnths 12-17	Increase	JPY	2,970,000	2,700,000	4,400,000	4,000,000
JKY	Non-HRP	Mnths 18+	Increase	JPY	1,500,000	1,500,000	1,850,000	1,850,000
JKY	HRP	Mnths 18+	Increase	JPY	1,650,000	1,500,000	2,035,000	1,850,000
UK NBP NAT GAS CAL MTH FUT (UKG)								
UKG	Non-HRP	Mnth 4	Increase	GBP	9,000	9,000	11,000	11,000
UKG	HRP	Mnth 4	Increase	GBP	9,900	9,000	12,100	11,000
UKG	Non-HRP	Mnths 5-9	Increase	GBP	7,000	7,000	9,000	9,000
UKG	HRP	Mnths 5-9	Increase	GBP	7,700	7,000	9,900	9,000
UKG	Non-HRP	Mnths 10+	Increase	GBP	5,500	5,500	7,500	7,500
UKG	HRP	Mnths 10+	Increase	GBP	6,050	5,500	8,250	7,500

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	Non-HRP	Mnths 4	Increase	USD	38,500	38,500	48,000	48,000
NBP	HRP	Mnths 4	Increase	USD	42,350	38,500	52,800	48,000
NBP	Non-HRP	Mnths 5+	Increase	USD	29,000	29,000	38,000	38,000
NBP	HRP	Mnths 5+	Increase	USD	31,900	29,000	41,800	38,000
PETROLEUM CRACKS AND SPREADS - Outright Rates								
EAST/WEST FUEL OIL SPREAD FUT (EW)								
EW	Non-HRP	Mth 1	Decrease	USD	10,000	10,000	8,000	8,000
EW	HRP	Mth 1	Decrease	USD	11,000	10,000	8,800	8,000
LA CARBD (OPIS) VS. NY HRBR ULSD (KL)								
KL	Non-HRP	Mnth 1	Increase	USD	3,100	3,100	4,000	4,000
KL	HRP	Mnth 1	Increase	USD	3,410	3,100	4,400	4,000
KL	Non-HRP	Mnth 2	Increase	USD	3,000	3,000	3,600	3,600
KL	HRP	Mnth 2	Increase	USD	3,300	3,000	3,960	3,600
KL	Non-HRP	Mnths 3+	Increase	USD	2,900	2,900	3,500	3,500
KL	HRP	Mnths 3+	Increase	USD	3,190	2,900	3,850	3,500
MINI EAST-WEST FUEL OIL FUTURES (MEW)								
MEW	Non-HRP	Mth 1	Decrease	USD	1,000	1,000	800	800
MEW	HRP	Mth 1	Decrease	USD	1,100	1,000	880	800
NY BUCKEYE JET FUEL VS NY HARB ULSD (JET)								
JET	Non-HRP	Mnth 1	Increase	USD	1,400	1,400	1,600	1,600
JET	HRP	Mnth 1	Increase	USD	1,540	1,400	1,760	1,600
JET	Non-HRP	Mnth 2	Increase	USD	1,400	1,400	1,600	1,600
JET	HRP	Mnth 2	Increase	USD	1,540	1,400	1,760	1,600
JET	Non-HRP	Mnths 3+	Increase	USD	1,400	1,400	1,600	1,600
JET	HRP	Mnths 3+	Increase	USD	1,540	1,400	1,760	1,600

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								
DATED BRENT(PLATTS) BALMO FUT (DBB)								
DBB	Non-HRP		Increase	USD	4,000	4,000	5,000	5,000
DBB	HRP		Increase	USD	4,400	4,000	5,500	5,000
EUR DIESEL10PPM BRGS FOB ARA(P)FUT (GT)								
GT	Non-HRP		Increase	USD	27,000	27,000	30,000	30,000
GT	HRP		Increase	USD	29,700	27,000	33,000	30,000
EUROPE JET KERO RDAM CALFUT (UR)								
UR	Non-HRP	Mnth 1	Increase	USD	25,000	25,000	28,000	28,000
UR	HRP	Mnth 1	Increase	USD	27,500	25,000	30,800	28,000
UR	Non-HRP	Mnths 2+	Increase	USD	25,000	25,000	28,000	28,000
UR	HRP	Mnths 2+	Increase	USD	27,500	25,000	30,800	28,000
EUROPEAN GASOIL ICE FUTURE (7F)								
7F	Non-HRP	Mnth 1	Increase	USD	2,800	2,800	3,000	3,000
7F	HRP	Mnth 1	Increase	USD	3,080	2,800	3,300	3,000
7F	Non-HRP	Mnths 2-6	Increase	USD	2,650	2,650	2,950	2,950
7F	HRP	Mnths 2-6	Increase	USD	2,915	2,650	3,245	2,950
7F	Non-HRP	Mnths 7-11	Increase	USD	2,500	2,500	2,800	2,800
7F	HRP	Mnths 7-11	Increase	USD	2,750	2,500	3,080	2,800
7F	Non-HRP	Mnths 12+	Increase	USD	2,100	2,100	2,500	2,500
7F	HRP	Mnths 12+	Increase	USD	2,310	2,100	2,750	2,500
EUROPEAN GASOIL ICE TAS FUTURE (7FT)								
7FT	Non-HRP	Mnth 1	Increase	USD	2,800	2,800	3,000	3,000
7FT	HRP	Mnth 1	Increase	USD	3,080	2,800	3,300	3,000
7FT	Non-HRP	Mnths 2-6	Increase	USD	2,650	2,650	2,950	2,950
7FT	HRP	Mnths 2-6	Increase	USD	2,915	2,650	3,245	2,950
7FT	Non-HRP	Mnths 7-11	Increase	USD	2,500	2,500	2,800	2,800
7FT	HRP	Mnths 7-11	Increase	USD	2,750	2,500	3,080	2,800
7FT	Non-HRP	Mnths 12+	Increase	USD	2,100	2,100	2,500	2,500
7FT	HRP	Mnths 12+	Increase	USD	2,310	2,100	2,750	2,500
GASOIL 0.1% CIF MED FUT (Z4)								
Z4	Non-HRP		Increase	USD	22,000	22,000	26,000	26,000
Z4	HRP		Increase	USD	24,200	22,000	28,600	26,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
GASOIL BULLET FUT (BG)								
BG	Non-HRP	Mnth 1	Increase	USD	28,000	28,000	30,000	30,000
BG	HRP	Mnth 1	Increase	USD	30,800	28,000	33,000	30,000
BG	Non-HRP	Mnths 2-6	Increase	USD	26,500	26,500	29,500	29,500
BG	HRP	Mnths 2-6	Increase	USD	29,150	26,500	32,450	29,500
BG	Non-HRP	Mnths 7-11	Increase	USD	25,000	25,000	28,000	28,000
BG	HRP	Mnths 7-11	Increase	USD	27,500	25,000	30,800	28,000
BG	Non-HRP	Mnths 12+	Increase	USD	21,000	21,000	25,000	25,000
BG	HRP	Mnths 12+	Increase	USD	23,100	21,000	27,500	25,000
JAPAN C&F NAPHTHA FUT (JA)								
JA	Non-HRP	Mnth 1	Increase	USD	39,000	39,000	42,500	42,500
JA	HRP	Mnth 1	Increase	USD	42,900	39,000	46,750	42,500
JA	Non-HRP	Mnths 2-6	Increase	USD	38,000	38,000	42,000	42,000
JA	HRP	Mnths 2-6	Increase	USD	41,800	38,000	46,200	42,000
JA	Non-HRP	Mnths 7+	Increase	USD	37,000	37,000	41,000	41,000
JA	HRP	Mnths 7+	Increase	USD	40,700	37,000	45,100	41,000
MIDDLE EAST GASOIL ARAB GULF (MPE)								
MPE	Non-HRP	Mnth 1	Increase	USD	4,000	4,000	4,250	4,250
MPE	HRP	Mnth 1	Increase	USD	4,400	4,000	4,675	4,250
MPE	Non-HRP	Mnths 2-6	Increase	USD	3,750	3,750	4,200	4,200
MPE	HRP	Mnths 2-6	Increase	USD	4,125	3,750	4,620	4,200
MIN JAPAN C&F NAPHTHA PLATTS FUT (MJN)								
MJN	Non-HRP	Mnth 1	Increase	USD	3,900	3,900	4,250	4,250
MJN	HRP	Mnth 1	Increase	USD	4,290	3,900	4,675	4,250
MJN	Non-HRP	Mnths 2-6	Increase	USD	3,800	3,800	4,200	4,200
MJN	HRP	Mnths 2-6	Increase	USD	4,180	3,800	4,620	4,200
MJN	Non-HRP	Mnths 7+	Increase	USD	3,700	3,700	4,100	4,100
MJN	HRP	Mnths 7+	Increase	USD	4,070	3,700	4,510	4,100
MINI SINGAPORE GASOIL 500 PPM (PLAT (MGO))								
MGO	Non-HRP	Mnth 1	Increase	USD	370	370	410	410
MGO	HRP	Mnth 1	Increase	USD	407	370	451	410
MGO	Non-HRP	Mnths 2-6	Increase	USD	370	370	410	410
MGO	HRP	Mnths 2-6	Increase	USD	407	370	451	410
MGO	Non-HRP	Mnths 7+	Increase	USD	330	330	370	370
MGO	HRP	Mnths 7+	Increase	USD	363	330	407	370

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SING GAS (PLTS) V SING MAR FUE FUT (GMS)								
GMS	Non-HRP	Month 1	Decrease	USD	43,000	43,000	35,000	35,000
GMS	HRP	Month 1	Decrease	USD	47,300	43,000	38,500	35,000
GMS	Non-HRP	Month 2	Decrease	USD	43,000	43,000	35,000	35,000
GMS	HRP	Month 2	Decrease	USD	47,300	43,000	38,500	35,000
GMS	Non-HRP	Month 3+	Decrease	USD	42,000	42,000	34,000	34,000
GMS	HRP	Month 3+	Decrease	USD	46,200	42,000	37,400	34,000
SINGAPORE GASOIL 500 PPM (PLATTS) F (GHS)								
GHS	Non-HRP	Mnth 1	Increase	USD	3,700	3,700	4,100	4,100
GHS	HRP	Mnth 1	Increase	USD	4,070	3,700	4,510	4,100
GHS	Non-HRP	Mnths 2-6	Increase	USD	3,700	3,700	4,100	4,100
GHS	HRP	Mnths 2-6	Increase	USD	4,070	3,700	4,510	4,100
GHS	Non-HRP	Mnths 7+	Increase	USD	3,300	3,300	3,700	3,700
GHS	HRP	Mnths 7+	Increase	USD	3,630	3,300	4,070	3,700
SINGAPORE JET KEROSENE FUT (KS)								
KS	Non-HRP	Mnth 1	Increase	USD	4,600	4,600	5,200	5,200
KS	HRP	Mnth 1	Increase	USD	5,060	4,600	5,720	5,200
KS	Non-HRP	Mnths 2-6	Increase	USD	4,400	4,400	5,100	5,100
KS	HRP	Mnths 2-6	Increase	USD	4,840	4,400	5,610	5,100
KS	Non-HRP	Mnths 7+	Increase	USD	4,000	4,000	4,700	4,700
KS	HRP	Mnths 7+	Increase	USD	4,400	4,000	5,170	4,700
SYNT JAPAN C&F NAPHTHA FUT (SJA)								
SJA	Non-HRP	Mnth 1	Increase	USD	39,000	39,000	42,500	42,500
SJA	HRP	Mnth 1	Increase	USD	42,900	39,000	46,750	42,500
SJA	Non-HRP	Mnths 2-6	Increase	USD	38,000	38,000	42,000	42,000
SJA	HRP	Mnths 2-6	Increase	USD	41,800	38,000	46,200	42,000
SJA	Non-HRP	Mnths 7+	Increase	USD	37,000	37,000	41,000	41,000
SJA	HRP	Mnths 7+	Increase	USD	40,700	37,000	45,100	41,000
SYNTHETI SINGAPORE JET KEROSENE FUT (SKS)								
SKS	Non-HRP	Mnth 1	Increase	USD	4,600	4,600	5,200	5,200
SKS	HRP	Mnth 1	Increase	USD	5,060	4,600	5,720	5,200
SKS	Non-HRP	Mnths 2-6	Increase	USD	4,400	4,400	5,100	5,100
SKS	HRP	Mnths 2-6	Increase	USD	4,840	4,400	5,610	5,100
SKS	Non-HRP	Mnths 7+	Increase	USD	4,000	4,000	4,700	4,700
SKS	HRP	Mnths 7+	Increase	USD	4,400	4,000	5,170	4,700

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
SYNTHETIC GASOIL BULLET FUT (SBG)								
SBG	Non-HRP	Mnth 1	Increase	USD	28,000	28,000	30,000	30,000
SBG	HRP	Mnth 1	Increase	USD	30,800	28,000	33,000	30,000
SBG	Non-HRP	Mnths 2-6	Increase	USD	26,500	26,500	29,500	29,500
SBG	HRP	Mnths 2-6	Increase	USD	29,150	26,500	32,450	29,500
SBG	Non-HRP	Mnths 7-11	Increase	USD	25,000	25,000	28,000	28,000
SBG	HRP	Mnths 7-11	Increase	USD	27,500	25,000	30,800	28,000
SBG	Non-HRP	Mnths 12+	Increase	USD	21,000	21,000	25,000	25,000
SBG	HRP	Mnths 12+	Increase	USD	23,100	21,000	27,500	25,000
ULSD 10PPM CARGOES CIF NWE S (TY)								
TY	Non-HRP		Increase	USD	26,000	26,000	29,000	29,000
TY	HRP		Increase	USD	28,600	26,000	31,900	29,000
ULSD 10PPM CIF MED FUT (Z6)								
Z6	Non-HRP		Increase	USD	26,000	26,000	29,000	29,000
Z6	HRP		Increase	USD	28,600	26,000	31,900	29,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL - Intra Spreads								
1 vs 2+ (WTI (ARGUS) TRADE MONTH FUT)								
V7	Non-HRP		Increase	USD	1,000	1,000	1,300	1,300
V7	HRP		Increase	USD	1,100	1,000	1,430	1,300
Daily WTI Calendar Swap Futures - All Months (DAILY WTI CALENDAR FUT)								
DCL	Non-HRP		Increase	USD	900	900	1,300	1,300
DCL	HRP		Increase	USD	990	900	1,430	1,300
Dated Brent (Platts) Daily Swap - All Months (DATED BRENT (PLATTS) DAILY FUT)								
7G	Non-HRP		Decrease	USD	2,000	2,000	1,600	1,600
7G	HRP		Decrease	USD	2,200	2,000	1,760	1,600
Dated Brent Crude Oil Calendar Swap - All Months (EUROPE DATED BRENT FUT)								
UB	Non-HRP		Increase	USD	800	800	1,000	1,000
UB	HRP		Increase	USD	880	800	1,100	1,000
Dated Brent Crude Oil Calendar Swap - All Months (MINI DATED BRENT (PLATTS) FINANCIAL)								
MDB	Non-HRP		Increase	USD	80	80	100	100
MDB	HRP		Increase	USD	88	80	110	100
Dubai Crude Oil Balmo - All Months (DUBAI CRUDE OIL BALMO)								
BI	Non-HRP		Increase	USD	2,750	2,750	3,500	3,500
BI	HRP		Increase	USD	3,025	2,750	3,850	3,500
Dubai Crude Oil Balmo - All Months (MINI DUBAI CRUDE OIL (PLATTS) BALMO)								
DBT	Non-HRP		Increase	USD	275	275	350	350
DBT	HRP		Increase	USD	303	275	385	350
ICE Brent (Euro-Denominated) Calendar Swap Futures - Tier 2 vs Tier 2 (ICE BRENT-EURO DENOMINATED CAL FUT)								
IBE	Non-HRP		Increase	EUR	900	900	1,100	1,100
IBE	HRP		Increase	EUR	990	900	1,210	1,100
LLS (Argus) Trade Month Swap - All Months (ARGUS LLS TRADE MONTH FUT)								
A4	Non-HRP		Increase	USD	400	400	600	600
A4	HRP		Increase	USD	440	400	660	600
LOOP Gulf Coast Sour Crude Oil Futures - All Months (LOOP GULF COAST SOUR CRUDE OIL)								
MB	Non-HRP		Increase	USD	600	600	700	700
MB	HRP		Increase	USD	660	600	770	700
Mars (Argus) Calendar Swap - All Months (MARS(ARGUS) CALENDAR FUT)								
MX	Non-HRP		Increase	USD	650	650	800	800
MX	HRP		Increase	USD	715	650	880	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mars (Argus) Trade Month Swap - All Months (MARS (ARGUS) TRADE MONTH FUT)								
MO	Non-HRP		Increase	USD	600	600	800	800
MO	HRP		Increase	USD	660	600	880	800
Mnth 2 vs Mnths 3-8 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Increase	USD	2,800	2,800	4,000	4,000
JCC	HRP		Increase	USD	3,080	2,800	4,400	4,000
Mnths 3-8 vs Mnths 3-8 (JAPAN CRUDE COCKTAIL (DETAILED) FUT)								
JCC	Non-HRP		Increase	USD	2,100	2,100	3,000	3,000
JCC	HRP		Increase	USD	2,310	2,100	3,300	3,000
WTI (Argus) Trade Month Swap - All Months (WTS (ARGUS) TRADE MONTH FUT)								
AY	Non-HRP		Increase	USD	800	800	1,000	1,000
AY	HRP		Increase	USD	880	800	1,100	1,000
WTI Midland (Argus) Trade Month Futures (WTI MIDLAND (ARGUS) TRADE MONTH FUT)								
WTI	Non-HRP		Increase	USD	800	800	1,100	1,100
WTI	HRP		Increase	USD	880	800	1,210	1,100
WTS (Argus) Calendar Swap - All Months (WTI MIDLAND (ARGUS) FINANCIAL FUT)								
XB	Non-HRP		Increase	USD	800	800	1,000	1,000
XB	HRP		Increase	USD	880	800	1,100	1,000
WTS (Argus) Financial Futures (WTS (ARGUS) FINANCIAL FUTURES)								
WTS	Non-HRP		Increase	USD	1,100	1,100	1,300	1,300
WTS	HRP		Increase	USD	1,210	1,100	1,430	1,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
CRUDE OIL SPREADS - Intra Spreads								
Brent CFD (Platts) vs. Brent Third Month (Platts) Swap Futures - All Months (DATED BRENT VS. BRENT SECOND MO FUT)								
59	Non-HRP		Increase	USD	600	600	900	900
59	HRP		Increase	USD	660	600	990	900
Consecutive Spread (WTI MIDLAND(ARGUS) VS WTI FINCL FUT)								
FF	Non-HRP		Decrease	USD	400	400	300	300
FF	HRP		Decrease	USD	440	400	330	300
Consecutive Spreads (WTS (ARGUS) V WTI TRD MTH FUT)								
FH	Non-HRP		Decrease	USD	300	300	260	260
FH	HRP		Decrease	USD	330	300	286	260
Dated-to-Frontline Brent Swap - Mth 1 vs Mths 2+ (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Non-HRP		Decrease	USD	1,300	1,300	1,100	1,100
FY	HRP		Decrease	USD	1,430	1,300	1,210	1,100
Dated-to-Frontline Brent Swap - Mths 2+ (DATED TO FRONTLINE BRENT CLNDR FUT)								
FY	Non-HRP		Decrease	USD	1,000	1,000	800	800
FY	HRP		Decrease	USD	1,100	1,000	880	800
Dubai Brent Swap - Mnth 1 vs Mnths 2 (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	570	570	410	410
DB	HRP		Decrease	USD	627	570	451	410
Dubai Brent Swap - Mnth 1 vs Mnths 3-8 (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	500	500	380	380
DB	HRP		Decrease	USD	550	500	418	380
Dubai Brent Swap - Mnth 1 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	400	400	350	350
DB	HRP		Decrease	USD	440	400	385	350
Dubai Brent Swap - Mnths 2 vs Mnths 3-8 (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	560	560	420	420
DB	HRP		Decrease	USD	616	560	462	420
Dubai Brent Swap - Mnths 2 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	480	480	360	360
DB	HRP		Decrease	USD	528	480	396	360
Dubai Brent Swap - Mnths 3-8 vs Mnths 9+ (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	525	525	375	375
DB	HRP		Decrease	USD	578	525	413	375

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Dubai Brent Swap - Mnths 3-8 vs Mnths 3-8 (ICE BRENT DUBAI FUT)								
DB	Non-HRP		Decrease	USD	460	460	400	400
DB	HRP		Decrease	USD	506	460	440	400
Light Sweet Oil (Net Energy) Monthly Index Futures - All Months (EDMONTON LIGHT SWEET NE2 MONTHLY)								
LSW	Non-HRP		Decrease	USD	1,200	1,200	1,000	1,000
LSW	HRP		Decrease	USD	1,320	1,200	1,100	1,000
Relperiod 2vs3+ (MARS (ARGUS) V WTI TRD MTH FUT)								
YV	Non-HRP		Increase	USD	300	300	330	330
YV	HRP		Increase	USD	330	300	363	330
Synthetic Sweet Oil (Net Energy) Monthly Index Futures - All Months (EDMONTON SYNTHETIC SWEET MNTLY FUT)								
SSW	Non-HRP		Increase	USD	300	300	450	450
SSW	HRP		Increase	USD	330	300	495	450
Western Canadian Select Oil (Net Energy) Monthly Index Futures - All Months (HARDISTY W CANADIAN SELECT MONTHLY)								
WCW	Non-HRP		Increase	USD	1,100	1,100	1,200	1,200
WCW	HRP		Increase	USD	1,210	1,100	1,320	1,200
WTI Houston (Argus) vs. WTI Trade Month Futures - All Months (WTI HOUSTON ARGUS V.WTI TRADE MONTH)								
HTT	Non-HRP		Decrease	USD	400	400	300	300
HTT	HRP		Decrease	USD	440	400	330	300
WTI Midland (Argus) vs. WTI Trade Month Futures (WTI MIDLAND (ARG) VS. WTI TRADE MTH)								
WTT	Non-HRP		Decrease	USD	300	300	200	200
WTT	HRP		Decrease	USD	330	300	220	200
WTS (Argus) vs. WTI Spread Calendar Swap - All Months (WTI MIDLAND(ARGUS) VS WTI FINCL FUT)								
FF	Non-HRP		Decrease	USD	500	500	350	350
FF	HRP		Decrease	USD	550	500	385	350
WTS (Argus) vs. WTI Spread Trade Month Swap - All Months (WTS (ARGUS) V WTI TRD MTH FUT)								
FH	Non-HRP		Decrease	USD	350	350	275	275
FH	HRP		Decrease	USD	385	350	303	275

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
DME Products - Intra Spreads								
Brent (Singapore Marker) vs. DME Oman Crude Oil Futures - Tier 1 vs Tier 2 (BRENT (SPORE) VS DME OMAN)								
BDS	Non-HRP		Decrease	USD	2,100	2,100	1,700	1,700
BDS	HRP		Decrease	USD	2,310	2,100	1,870	1,700
Brent (Singapore Marker) vs. DME Oman Crude Oil Futures - Tier 2 vs Tier 2 (BRENT (SPORE) VS DME OMAN)								
BDS	Non-HRP		Decrease	USD	2,100	2,100	1,700	1,700
BDS	HRP		Decrease	USD	2,310	2,100	1,870	1,700
Singapore Mogas 92 Unleaded (Platts) vs. DME Oman Crude Oil Futures - Tier 1 vs Tier 2 (SPORE MOGAS 92UNLD(PLTS)VS DME OMAN)								
DDE	Non-HRP		Increase	USD	750	750	1,100	1,100
DDE	HRP		Increase	USD	825	750	1,210	1,100
Singapore Mogas 92 Unleaded (Platts) vs. DME Oman Crude Oil Futures - Tier 2 vs Tier 2 (SPORE MOGAS 92UNLD(PLTS)VS DME OMAN)								
DDE	Non-HRP		Increase	USD	750	750	1,150	1,150
DDE	HRP		Increase	USD	825	750	1,265	1,150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
ELECTRICITY - Intra Spreads								
Mnth 1 vs 2 (JAPANESE POWER DAY-AHEAD PEAKLOAD)								
JPT	Non-HRP		Increase	JPY	300,000	300,000	725,000	725,000
JPT	HRP		Increase	JPY	330,000	300,000	797,500	725,000
Mnth 1 vs 2 (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	460,000	460,000	1,000,000	1,000,000
JBK	HRP		Increase	JPY	506,000	460,000	1,100,000	1,000,000
Mnth 1 vs 2 (JAPANESE POWER KANSAI PEAK-LOAD)								
JPk	Non-HRP		Increase	JPY	300,000	300,000	500,000	500,000
JPk	HRP		Increase	JPY	330,000	300,000	550,000	500,000
Mnth 1 vs 2 (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	350,000	350,000	900,000	900,000
JBT	HRP		Increase	JPY	385,000	350,000	990,000	900,000
Mnth 1 vs 3 (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	500,000	500,000	1,100,000	1,100,000
JBK	HRP		Increase	JPY	550,000	500,000	1,210,000	1,100,000
Mnth 1 vs 3 (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	300,000	300,000	850,000	850,000
JBT	HRP		Increase	JPY	330,000	300,000	935,000	850,000
Mnth 1 vs 3+ (JAPANESE POWER DAY-AHEAD PEAKLOAD)								
JPT	Non-HRP		Increase	JPY	100,000	100,000	300,000	300,000
JPT	HRP		Increase	JPY	110,000	100,000	330,000	300,000
Mnth 1 vs 4+ (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	450,000	450,000	1,050,000	1,050,000
JBK	HRP		Increase	JPY	495,000	450,000	1,155,000	1,050,000
Mnth 1 vs 4+ (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	400,000	400,000	950,000	950,000
JBT	HRP		Increase	JPY	440,000	400,000	1,045,000	950,000
Mnth 2 vs 3 (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	900,000	900,000	1,350,000	1,350,000
JBK	HRP		Increase	JPY	990,000	900,000	1,485,000	1,350,000
Mnth 2 vs 3 (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	450,000	450,000	650,000	650,000
JBT	HRP		Increase	JPY	495,000	450,000	715,000	650,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mnth 2 vs 3+ (JAPANESE POWER DAY-AHEAD PEAKLOAD)								
JPT	Non-HRP		Increase	JPY	220,000	220,000	350,000	350,000
JPT	HRP		Increase	JPY	242,000	220,000	385,000	350,000
Mnth 2 vs 3+ (JAPANESE POWER KANSAI PEAK-LOAD)								
JPk	Non-HRP		Decrease	JPY	420,000	420,000	600	600
JPk	HRP		Decrease	JPY	462,000	420,000	660	600
Mnth 2 vs 4+ (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	950,000	950,000	1,400,000	1,400,000
JBK	HRP		Increase	JPY	1,045,000	950,000	1,540,000	1,400,000
Mnth 2 vs 4+ (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	800,000	800,000	1,150,000	1,150,000
JBT	HRP		Increase	JPY	880,000	800,000	1,265,000	1,150,000
Mnth 3 vs 4+ (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	850,000	850,000	1,150,000	1,150,000
JBK	HRP		Increase	JPY	935,000	850,000	1,265,000	1,150,000
Mnth 3 vs 4+ (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	950,000	950,000	1,400,000	1,400,000
JBT	HRP		Increase	JPY	1,045,000	950,000	1,540,000	1,400,000
Mnth 3+ vs 3+ (JAPANESE POWER DAY-AHEAD PEAKLOAD)								
JPT	Non-HRP		Increase	JPY	425,000	425,000	525,000	525,000
JPT	HRP		Increase	JPY	467,500	425,000	577,500	525,000
Mnth 3+ vs 3+ (JAPANESE POWER KANSAI PEAK-LOAD)								
JPk	Non-HRP		Increase	JPY	600,000	600,000	700,000	700,000
JPk	HRP		Increase	JPY	660,000	600,000	770,000	700,000
Mnth 3+ vs 4+ (JAPANESE POWER KANSAI BASE-LOAD)								
JBK	Non-HRP		Increase	JPY	800,000	800,000	1,100,000	1,100,000
JBK	HRP		Increase	JPY	880,000	800,000	1,210,000	1,100,000
Mnth 3+ vs 4+ (JAPANESE POWER TOKYO BASE-LOAD)								
JBT	Non-HRP		Increase	JPY	900,000	900,000	1,200,000	1,200,000
JBT	HRP		Increase	JPY	990,000	900,000	1,320,000	1,200,000
PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK CAL MON REAL TIME)								
L1	Non-HRP		Increase	USD	350	350	400	400
L1	HRP		Increase	USD	385	350	440	400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PJM Western Hub Peak Calendar-Month Real-Time LMP - All Months (PJM WES HUB PEAK LMP 50 MW)								
4S	Non-HRP		Increase	USD	3,500	3,500	4,000	4,000
4S	HRP		Increase	USD	3,850	3,500	4,400	4,000
ETHANOL - Intra Spreads								
New York Ethanol (Platts) Swap, Tier 1 vs. Tier 2 (NEW YORK ETHANOL FUT)								
EZ	Non-HRP		Increase	USD	4,375	4,375	4,925	4,925
EZ	HRP		Increase	USD	4,813	4,375	5,418	4,925
New York Ethanol (Platts) Swap, Tier 1 vs. Tier 3 (NEW YORK ETHANOL FUT)								
EZ	Non-HRP		Increase	USD	2,950	2,950	4,300	4,300
EZ	HRP		Increase	USD	3,245	2,950	4,730	4,300
METALS - Intra Spreads								
CX-AEP Mth(s) 01-11 vs Mth(s) 12+ (ALUMINIUM EURO PREM METAL BULLETIN)								
AEP	Non-HRP		Increase	USD	900	900	1,100	1,100
AEP	HRP		Increase	USD	990	900	1,210	1,100
Months 02-10 vs. Months 02-10 (U.S. MIDWEST DOMESTIC HOT-ROLLED CO)								
HR	Non-HRP		Increase	USD	1,500	1,500	1,650	1,650
HR	HRP		Increase	USD	1,650	1,500	1,815	1,650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
(SING GAS 500 PPM (PLATTS) VS. LOW S)								
SGG	Non-HRP		Increase	USD	450	450	700	700
SGG	HRP		Increase	USD	495	450	770	700
(SINGAPORE GASOIL (PLATTS) DUBAI CRA)								
GDL	Non-HRP		Increase	USD	500	500	600	600
GDL	HRP		Increase	USD	550	500	660	600
2+ vs 2+ (SINGAPORE JET DUBAI CRACK)								
KSD	Non-HRP		New	USD			1,000	1,000
KSD	HRP		New	USD			1,100	1,000
All months vs All months (GAS EUROBOB NON OXY BARGES(ARG) CRA)								
GNS	Non-HRP		Decrease	USD	2,000	2,000	1,400	1,400
GNS	HRP		Decrease	USD	2,200	2,000	1,540	1,400
European Gasoil 10PPM Rdam Barges v. Gasoil Futures Swap - Month 1 vs Months 2+ (EUR DIESEL10PPM BRGS FOB ARA(PLATTS))								
ET	Non-HRP		Decrease	USD	3,100	3,100	2,200	2,200
ET	HRP		Decrease	USD	3,410	3,100	2,420	2,200
European Gasoil 10PPM Rdam Barges v. Gasoil Futures Swap - Month 1 vs Months 2+ (MINIEURDIESEL10 PPM BRGS ARA(P)VS.L)								
MUD	Non-HRP		Decrease	USD	310	310	220	220
MUD	HRP		Decrease	USD	341	310	242	220
European Gasoil 10PPM Rdam Barges v. Gasoil Futures Swap - Months 2+ vs Months 2+ (EUR DIESEL10PPM BRGS FOB ARA(PLATTS))								
ET	Non-HRP		Decrease	USD	2,000	2,000	1,600	1,600
ET	HRP		Decrease	USD	2,200	2,000	1,760	1,600
European Gasoil 10PPM Rdam Barges v. Gasoil Futures Swap - Months 2+ vs Months 2+ (MINIEURDIESEL10 PPM BRGS ARA(P)VS.L)								
MUD	Non-HRP		Decrease	USD	200	200	160	160
MUD	HRP		Decrease	USD	220	200	176	160
European Jet CIF NWE v. Gasoil Futures Swap - 1-3 vs 4+ (JET CIF NWE VS ICE)								
JC	Non-HRP		Decrease	USD	6,000	6,000	4,500	4,500
JC	HRP		Decrease	USD	6,600	6,000	4,950	4,500
European Jet CIF NWE v. Gasoil Futures Swap - 1-3 vs 4+ (MIN JETKERO CRGOS CIF NWE VS GASOIL)								
MJC	Non-HRP		Decrease	USD	600	600	450	450
MJC	HRP		Decrease	USD	660	600	495	450

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
High-Low Sulfur Fuel Oil Spread Swap - Months 1-6 vs 1-6 (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Decrease	USD	6,000	6,000	4,500	4,500
FS	HRP		Decrease	USD	6,600	6,000	4,950	4,500
Mnth 1 vs 2+ (GAS EUROBOB NON-OXY VS OXY NWE FUT)								
GES	Non-HRP		Decrease	USD	6,400	6,400	5,500	5,500
GES	HRP		Decrease	USD	7,040	6,400	6,050	5,500
Mnth 2+ vs 2+ (GAS EUROBOB NON-OXY VS OXY NWE FUT)								
GES	Non-HRP		Decrease	USD	6,400	6,400	5,200	5,200
GES	HRP		Decrease	USD	7,040	6,400	5,720	5,200
Mnths 1 vs 2+ (SINGAPORE JET DUBAI CRACK)								
KSD	Non-HRP		New	USD			1,000	1,000
KSD	HRP		New	USD			1,100	1,000
Mnths 1-6 vs. Mnths 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Decrease	USD	5,800	5,800	4,200	4,200
FS	HRP		Decrease	USD	6,380	5,800	4,620	4,200
Mnths 1-6 vs. Mnths 7-11 (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Decrease	USD	6,100	6,100	4,600	4,600
FS	HRP		Decrease	USD	6,710	6,100	5,060	4,600
Months 7-11 vs 12+ (FUELOIL FUT:CARGOES VS.BARGES)								
FS	Non-HRP		Decrease	USD	4,600	4,600	4,000	4,000
FS	HRP		Decrease	USD	5,060	4,600	4,400	4,000
Singapore Fuel Oil Spread Swap - Consecutives 2/3+ (SINGAPORE FUEL OIL SPREAD FUT)								
SD	Non-HRP		Increase	USD	1,100	1,100	1,250	1,250
SD	HRP		Increase	USD	1,210	1,100	1,375	1,250
Singapore Fuel Oil Spread Swap - months 1-2 vs 3+ (SINGAPORE FUEL OIL SPREAD FUT)								
SD	Non-HRP		Increase	USD	1,900	1,900	2,800	2,800
SD	HRP		Increase	USD	2,090	1,900	3,080	2,800
Singapore Fuel Oil Spread Swap - Months 3+ vs 3+ (SINGAPORE FUEL OIL SPREAD FUT)								
SD	Non-HRP		Increase	USD	2,100	2,100	2,600	2,600
SD	HRP		Increase	USD	2,310	2,100	2,860	2,600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
REFINED PRODUCTS - Intra Spreads								
(SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Increase	USD	2,900	2,900	3,300	3,300
SLY	HRP		Increase	USD	3,190	2,900	3,630	3,300
(SYNT JAPAN C&F NAPHTHA FUT)								
SJA	Non-HRP		Decrease	USD	15,000	15,000	10,000	10,000
SJA	HRP		Decrease	USD	16,500	15,000	11,000	10,000
(SYNT SINGAPORE MOGAS 95 FUT)								
SV0	Non-HRP		Increase	USD	1,700	1,700	2,500	2,500
SV0	HRP		Increase	USD	1,870	1,700	2,750	2,500
1v3+ (SING GAS (PLTS) V SING MAR FUE FUT)								
GMS	Non-HRP		Decrease	USD	26,000	26,000	21,000	21,000
GMS	HRP		Decrease	USD	28,600	26,000	23,100	21,000
2v3+ (SING GAS (PLTS) V SING MAR FUE FUT)								
GMS	Non-HRP		Decrease	USD	20,000	20,000	14,000	14,000
GMS	HRP		Decrease	USD	22,000	20,000	15,400	14,000
3+v3+ (SING GAS (PLTS) V SING MAR FUE FUT)								
GMS	Non-HRP		Decrease	USD	21,000	21,000	15,000	15,000
GMS	HRP		Decrease	USD	23,100	21,000	16,500	15,000
EuroBob Gasoline 10ppm (Platts) Rdam FOB Barges BALMO Swap - All Months (EUROBOB GAS10PPM BALMO)								
7S	Non-HRP		Increase	USD	4,200	4,200	6,300	6,300
7S	HRP		Increase	USD	4,620	4,200	6,930	6,300
EuroBob Gasoline 10ppm (Platts) Rdam FOB Barges Swap - All Months (EUROBOB GAS10PPM (PLTS) RD FOB)								
7P	Non-HRP		Increase	USD	9,000	9,000	11,000	11,000
7P	HRP		Increase	USD	9,900	9,000	12,100	11,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (EUROPE 3.5% FUEL OIL RDM CALFUT)								
UV	Non-HRP		Decrease	USD	10,000	10,000	8,000	8,000
UV	HRP		Decrease	USD	11,000	10,000	8,800	8,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Non-HRP		Decrease	USD	100	100	80	80
MEF	HRP		Decrease	USD	110	100	88	80
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 11+ (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
OD	Non-HRP		Decrease	USD	1,000	1,000	800	800
OD	HRP		Decrease	USD	1,100	1,000	880	800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 2-6 (EUROPE 3.5% FUEL OIL RDM CALFUT)								
UV	Non-HRP		Decrease	USD	5,500	5,500	4,000	4,000
UV	HRP		Decrease	USD	6,050	5,500	4,400	4,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 2-6 (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Non-HRP		Decrease	USD	55	55	40	40
MEF	HRP		Decrease	USD	61	55	44	40
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 2-6 (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Non-HRP		Decrease	USD	550	550	400	400
0D	HRP		Decrease	USD	605	550	440	400
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (EUROPE 3.5% FUEL OIL RDM CALFUT)								
UV	Non-HRP		Decrease	USD	8,500	8,500	6,000	6,000
UV	HRP		Decrease	USD	9,350	8,500	6,600	6,000
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Non-HRP		Decrease	USD	85	85	60	60
MEF	HRP		Decrease	USD	94	85	66	60
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 2-6 vs 7-10 (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Non-HRP		Decrease	USD	850	850	600	600
0D	HRP		Decrease	USD	935	850	660	600
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 11+ (EUROPE 3.5% FUEL OIL RDM CALFUT)								
UV	Non-HRP		Decrease	USD	6,000	6,000	4,500	4,500
UV	HRP		Decrease	USD	6,600	6,000	4,950	4,500
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 11+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Non-HRP		Decrease	USD	60	60	45	45
MEF	HRP		Decrease	USD	66	60	50	45
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 11+ (MINI EURO 3.5% FUEL OIL FOB RDM FUT)								
0D	Non-HRP		Decrease	USD	600	600	450	450
0D	HRP		Decrease	USD	660	600	495	450
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	375	375	600	600
7F	HRP		Increase	USD	413	375	660	600
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	375	375	600	600
7FT	HRP		Increase	USD	413	375	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	3,750	3,750	6,000	6,000
BG	HRP		Increase	USD	4,125	3,750	6,600	6,000
European Gasoil Bullet Swap - Tier 1 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	3,750	3,750	6,000	6,000
SBG	HRP		Increase	USD	4,125	3,750	6,600	6,000
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	500	500	850	850
7F	HRP		Increase	USD	550	500	935	850
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	500	500	850	850
7FT	HRP		Increase	USD	550	500	935	850
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	5,000	5,000	8,500	8,500
BG	HRP		Increase	USD	5,500	5,000	9,350	8,500
European Gasoil Bullet Swap - Tier 1 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	5,000	5,000	8,500	8,500
SBG	HRP		Increase	USD	5,500	5,000	9,350	8,500
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	500	500	750	750
7F	HRP		Increase	USD	550	500	825	750
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	500	500	750	750
7FT	HRP		Increase	USD	550	500	825	750
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	5,000	5,000	7,500	7,500
BG	HRP		Increase	USD	5,500	5,000	8,250	7,500
European Gasoil Bullet Swap - Tier 1 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	5,000	5,000	7,500	7,500
SBG	HRP		Increase	USD	5,500	5,000	8,250	7,500
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	450	450	550	550
7F	HRP		Increase	USD	495	450	605	550

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	450	450	550	550
7FT	HRP		Increase	USD	495	450	605	550
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	4,500	4,500	5,500	5,500
BG	HRP		Increase	USD	4,950	4,500	6,050	5,500
European Gasoil Bullet Swap - Tier 2 vs Tier 2 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	4,500	4,500	5,500	5,500
SBG	HRP		Increase	USD	4,950	4,500	6,050	5,500
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	480	480	650	650
7F	HRP		Increase	USD	528	480	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	480	480	650	650
7FT	HRP		Increase	USD	528	480	715	650
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	4,800	4,800	6,500	6,500
BG	HRP		Increase	USD	5,280	4,800	7,150	6,500
European Gasoil Bullet Swap - Tier 2 vs Tier 3 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	4,800	4,800	6,500	6,500
SBG	HRP		Increase	USD	5,280	4,800	7,150	6,500
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE FUTURE)								
7F	Non-HRP		Increase	USD	600	600	800	800
7F	HRP		Increase	USD	660	600	880	800
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (EUROPEAN GASOIL ICE TAS FUTURE)								
7FT	Non-HRP		Increase	USD	600	600	800	800
7FT	HRP		Increase	USD	660	600	880	800
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (GASOIL BULLET FUT)								
BG	Non-HRP		Increase	USD	6,000	6,000	8,000	8,000
BG	HRP		Increase	USD	6,600	6,000	8,800	8,000
European Gasoil Bullet Swap - Tier 2 vs Tier 4 (SYNTHETIC GASOIL BULLET FUT)								
SBG	Non-HRP		Increase	USD	6,000	6,000	8,000	8,000
SBG	HRP		Increase	USD	6,600	6,000	8,800	8,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Gulf Coast #6 Fuel 3.0% Swap - Consecutive Month 2+ (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Non-HRP		Decrease	USD	650	650	450	450
MF	HRP		Decrease	USD	715	650	495	450
Gulf Coast #6 Fuel 3.0% Swap - Month 1 vs 12+ (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Non-HRP		Decrease	USD	2,300	2,300	1,500	1,500
MF	HRP		Decrease	USD	2,530	2,300	1,650	1,500
Gulf Coast #6 Fuel 3.0% Swap - Months 2-6 vs 2-6 (GULF COAST HSFO (PLATTS) FUTURES)								
MF	Non-HRP		Decrease	USD	1,500	1,500	1,100	1,100
MF	HRP		Decrease	USD	1,650	1,500	1,210	1,100
Gulf Coast CBOB Gasoline A2 (Platts) Swap Futures - Tier 1 vs. 2 (GULF CST CBOB GAS PLATTS A2 FUTURES)								
CRG	Non-HRP		Increase	USD	1,800	1,800	2,600	2,600
CRG	HRP		Increase	USD	1,980	1,800	2,860	2,600
Gulf Coast CBOB Gasoline A2 (Platts) Swap Futures - Tier 1 vs. 3 (GULF CST CBOB GAS PLATTS A2 FUTURES)								
CRG	Non-HRP		Increase	USD	1,800	1,800	2,650	2,650
CRG	HRP		Increase	USD	1,980	1,800	2,915	2,650
Gulf Coast Ultra Low Sulfur Diesel (ULSD) Swap - Mth 1 vs Mth 2+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	2,900	2,900	3,300	3,300
LY	HRP		Increase	USD	3,190	2,900	3,630	3,300
Japan C&F Naphtha (PLATTS) Swap - 2+ vs 2+ (JAPAN C&F NAPHTHA FUT)								
JA	Non-HRP		Decrease	USD	15,000	15,000	10,000	10,000
JA	HRP		Decrease	USD	16,500	15,000	11,000	10,000
Japan C&F Naphtha (PLATTS) Swap - 2+ vs 2+ (MIN JAPAN C&F NAPHTHA PLATTS FUT)								
MJN	Non-HRP		Decrease	USD	1,500	1,500	1,000	1,000
MJN	HRP		Decrease	USD	1,650	1,500	1,100	1,000
Mnth 1 vs 2 (EUROPEAN FOB RDAM MARINE FUEL 0.5%)								
R5F	Non-HRP		Decrease	USD	13,500	13,500	11,000	11,000
R5F	HRP		Decrease	USD	14,850	13,500	12,100	11,000
Mnth 1 vs 2 (MICRO EURO MARINE 0.5% FO BARGES)								
R5O	Non-HRP		Decrease	USD	135	135	110	110
R5O	HRP		Decrease	USD	149	135	121	110
Mnth 1 vs 2 (MINI EUROPEAN FOB RDAM MARINE FUEL)								
R5M	Non-HRP		Decrease	USD	1,350	1,350	1,100	1,100
R5M	HRP		Decrease	USD	1,485	1,350	1,210	1,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mnth 1 vs 3+ (EUROPEAN FOB RDAM MARINE FUEL 0.5%)								
R5F	Non-HRP		New	USD			11,000	11,000
R5F	HRP		New	USD			12,100	11,000
Mnth 1 vs 3+ (MICRO EURO MARINE 0.5% FO BARGES)								
R5O	Non-HRP		New	USD			110	110
R5O	HRP		New	USD			121	110
Mnth 1 vs 3+ (MINI EUROPEAN FOB RDAM MARINE FUEL)								
R5M	Non-HRP		New	USD			1,100	1,100
R5M	HRP		New	USD			1,210	1,100
Month 2 vs Months 3+ (EUROPEAN FOB RDAM MARINE FUEL 0.5%)								
R5F	Non-HRP		Decrease	USD	8,000	8,000	5,000	5,000
R5F	HRP		Decrease	USD	8,800	8,000	5,500	5,000
Month 2 vs Months 3+ (MICRO EURO MARINE 0.5% FO BARGES)								
R5O	Non-HRP		Decrease	USD	80	80	50	50
R5O	HRP		Decrease	USD	88	80	55	50
Month 2 vs Months 3+ (MINI EUROPEAN FOB RDAM MARINE FUEL)								
R5M	Non-HRP		Decrease	USD	800	800	500	500
R5M	HRP		Decrease	USD	880	800	550	500
Month 2-6 vs 12+ (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Non-HRP		Decrease	USD	2,300	2,300	1,500	1,500
SMF	HRP		Decrease	USD	2,530	2,300	1,650	1,500
Months 2-6 vs 2-6 (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Non-HRP		Decrease	USD	1,500	1,500	1,100	1,100
SMF	HRP		Decrease	USD	1,650	1,500	1,210	1,100
Months 3+ vs Months 3+ (EUROPEAN FOB RDAM MARINE FUEL 0.5%)								
R5F	Non-HRP		Decrease	USD	7,500	7,500	6,000	6,000
R5F	HRP		Decrease	USD	8,250	7,500	6,600	6,000
Months 3+ vs Months 3+ (MICRO EURO MARINE 0.5% FO BARGES)								
R5O	Non-HRP		Decrease	USD	75	75	60	60
R5O	HRP		Decrease	USD	83	75	66	60
Months 3+ vs Months 3+ (MINI EUROPEAN FOB RDAM MARINE FUEL)								
R5M	Non-HRP		Decrease	USD	750	750	600	600
R5M	HRP		Decrease	USD	825	750	660	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Months 3+ vs Months 3+ (SIN FOB 0.5% (PLT) VS EUR FOB RDAM)								
SR5	Non-HRP		Increase	USD	3,000	3,000	3,600	3,600
SR5	HRP		Increase	USD	3,300	3,000	3,960	3,600
Premium UNL Gasoline 10ppm (Platts) Cargoes CIF NW - All Months (PREMIUM UNLD 10PPM CARGOES CIF)								
4G	Non-HRP		Increase	USD	8,000	8,000	12,000	12,000
4G	HRP		Increase	USD	8,800	8,000	13,200	12,000
Premium UNL Gasoline 10ppm (Platts) FOB Med Balmo - All Months (PREMIUM UNLEAD 10PPM FOB BLMO)								
8G	Non-HRP		Increase	USD	8,200	8,200	12,000	12,000
8G	HRP		Increase	USD	9,020	8,200	13,200	12,000
Premium Unl Gasoline 10ppm (Platts) FOB Med Swap - All Months (PREMIUM UNLD 10P FOB MED FUT)								
3G	Non-HRP		Increase	USD	11,000	11,000	13,000	13,000
3G	HRP		Increase	USD	12,100	11,000	14,300	13,000
Premium Unleaded Gasoline 10 ppm (Platts) Rdam FOB Barges Swap - All Months (PREM UNL GAS 10 PPM (PLTS) RDM)								
7L	Non-HRP		Increase	USD	10,000	10,000	14,000	14,000
7L	HRP		Increase	USD	11,000	10,000	15,400	14,000
Rel Period (SYNTHET GULF COAST NO.6 FUEL OIL 3)								
SMF	Non-HRP		Decrease	USD	650	650	450	450
SMF	HRP		Decrease	USD	715	650	495	450
Singapore 380cst Fuel Oil Swap - 1 vs 2-6 (MICRO SINGAPORE FUEL OIL 380CST (PL)								
MAF	Non-HRP		Increase	USD	75	75	85	85
MAF	HRP		Increase	USD	83	75	94	85
Singapore 380cst Fuel Oil Swap - 1 vs 2-6 (MINI SINGAPORE 380CST FUEL OIL FUT)								
MTS	Non-HRP		Increase	USD	750	750	850	850
MTS	HRP		Increase	USD	825	750	935	850
Singapore 380cst Fuel Oil Swap - 1 vs 2-6 (SINGAPORE 380CST FUEL OIL FUT)								
SE	Non-HRP		Increase	USD	7,500	7,500	8,500	8,500
SE	HRP		Increase	USD	8,250	7,500	9,350	8,500
Singapore 380cst Fuel Oil Swap - Consecutives (MICRO SINGAPORE FUEL OIL 380CST (PL)								
MAF	Non-HRP		Increase	USD	20	20	23	23
MAF	HRP		Increase	USD	22	20	25	23
Singapore 380cst Fuel Oil Swap - Consecutives (MINI SINGAPORE 380CST FUEL OIL FUT)								
MTS	Non-HRP		Increase	USD	200	200	225	225
MTS	HRP		Increase	USD	220	200	248	225

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Singapore 380cst Fuel Oil Swap - Consecutives (SINGAPORE 380CST FUEL OIL FUT)								
SE	Non-HRP		Increase	USD	2,000	2,000	2,250	2,250
SE	HRP		Increase	USD	2,200	2,000	2,475	2,250
Singapore Jet Kerosene Swap - Tier 1 vs Tier 2 (SINGAPORE JET KEROSENE FUT)								
KS	Non-HRP		Increase	USD	1,500	1,500	2,000	2,000
KS	HRP		Increase	USD	1,650	1,500	2,200	2,000
Singapore Jet Kerosene Swap - Tier 1 vs Tier 2 (SYNTHETI SINGAPORE JET KEROSENE FUT)								
SKS	Non-HRP		Increase	USD	1,500	1,500	2,000	2,000
SKS	HRP		Increase	USD	1,650	1,500	2,200	2,000
Singapore Jet Kerosene Swap - Tier 1 vs Tier 3 (SINGAPORE JET KEROSENE FUT)								
KS	Non-HRP		Increase	USD	1,500	1,500	2,100	2,100
KS	HRP		Increase	USD	1,650	1,500	2,310	2,100
Singapore Jet Kerosene Swap - Tier 1 vs Tier 3 (SYNTHETI SINGAPORE JET KEROSENE FUT)								
SKS	Non-HRP		Increase	USD	1,500	1,500	2,100	2,100
SKS	HRP		Increase	USD	1,650	1,500	2,310	2,100
Singapore Jet Kerosene Swap - Tier 2 vs Tier 3 (SINGAPORE JET KEROSENE FUT)								
KS	Non-HRP		Increase	USD	600	600	900	900
KS	HRP		Increase	USD	660	600	990	900
Singapore Jet Kerosene Swap - Tier 2 vs Tier 3 (SYNTHETI SINGAPORE JET KEROSENE FUT)								
SKS	Non-HRP		Increase	USD	600	600	900	900
SKS	HRP		Increase	USD	660	600	990	900
Singapore Mogas 95 BALMO Swap - All Months (SINGAPORE MOGAS 95 BALMO FUT)								
W0	Non-HRP		Increase	USD	1,300	1,300	2,000	2,000
W0	HRP		Increase	USD	1,430	1,300	2,200	2,000
Singapore Mogas 95 Swap - All Months (SINGAPORE MOGAS 95 FUT)								
V0	Non-HRP		Increase	USD	1,700	1,700	2,500	2,500
V0	HRP		Increase	USD	1,870	1,700	2,750	2,500
Singapore Mogas 97 BALMO Swap - All Months (SINGAPORE MOGAS 97 BALMO FUT)								
Y0	Non-HRP		Increase	USD	1,000	1,000	1,500	1,500
Y0	HRP		Increase	USD	1,100	1,000	1,650	1,500
Singapore Mogas 97 Swap - All Months (SINGAPORE MOGAS 97 FUT)								
X0	Non-HRP		Increase	USD	2,000	2,000	2,800	2,800
X0	HRP		Increase	USD	2,200	2,000	3,080	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Singapore Naphtha Swap - All Months (SINGAPORE NAPHTHA FUT)								
SP	Non-HRP		Increase	USD	2,000	2,000	2,800	2,800
SP	HRP		Increase	USD	2,200	2,000	3,080	2,800
ULSD 10ppm CIF MED Swap - All Months (ULSD 10PPM CIF MED FUT)								
Z6	Non-HRP		Increase	USD	4,000	4,000	4,500	4,500
Z6	HRP		Increase	USD	4,400	4,000	4,950	4,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
Corn (CBOT) (C) vs. Oats (CBOT) (O)						
Spread Credit Rate	Decrease	+1:-2	40%	40%	30%	30%
CRUDE OIL - Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL (NY-CL) vs CONWAY NORMAL BUTANE SWAP (NY-8M)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+12:-1	50%	50%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-2	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-2	55%	55%	48%	48%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1	70%	70%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	Increase	+1:-1	85%	85%	90%	90%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DME Products - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-12	50%	50%	65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	45%	45%
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
DME OMAN CRUDE OIL (NY-OQ) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-1	47%	47%	55%	55%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Increase	+12:-1	45%	45%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	40%	40%	45%	45%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
OMAN CRUDE OIL (NY-OQ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	40%	40%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%

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 PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME)						
Spread Credit Rate	Increase	+1:-11	65%	65%	70%	70%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-N9 - CME)						
Spread Credit Rate	Increase	+1:-194	35%	35%	50%	50%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME)						
Spread Credit Rate	Increase	+1:-11	57%	57%	70%	70%
NYISO ZONE G PEAK LBMP SWAP FUTURES (NY-KG - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	New	+11:-1			65%	65%
Spread Credit Rate	Increase	+11:-1	35%	35%	50%	50%
PJM AD HUB 5 MW PEAK REAL-TIME LMP SWAP (NYM-Z9 - CME) vs PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP (NYM-L1 - CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	90%	90%
PJM AEP DAYTON HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-V3 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	New	-194:+1			65%	65%
Spread Credit Rate	Increase	-194:+1	56%	56%	60%	60%
PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	65%	65%	80%	80%
PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME) vs PJM AEP DAYTON HUB 5MW PEAK CAL REAL-TIME LMP SWAP FUT (NY-Z9- CME)						
Spread Credit Rate	Increase	+16:-1	65%	65%	85%	85%
PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME) vs PJM WESTERN HUB PEAK CAL REAL-TIME LMP SWAP FUT (NY-L1- CME)						
Spread Credit Rate	Increase	+16:-1	65%	65%	85%	85%
PJM WESTERN HUB OFF-PEAK CAL REAL-TIME LMP SWAP FUT (NY-N9- CME) vs PJM AEP DAYTON HUB 5MW PEAK CAL REAL-TIME LMP SWAP FUT (NY-Z9- CME)						
Spread Credit Rate	Increase	+16:-1	70%	70%	90%	90%
PJM WESTERN HUB OFF-PEAK CAL REAL-TIME LMP SWAP FUT (NY-N9- CME) vs PJM NORTHERN ILLINOIS HUB PEAK CAL LMP SWAP FUT (NY-V3- CME)						
Spread Credit Rate	Increase	+1:-1	80%	80%	85%	85%
PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP (NYM-N9 - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Increase	+194:-1	50%	50%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	67%	67%	85%	85%
PJM WESTERN HUB PEAK CALENDAR-MONTH RT LMP SWAP FUT (NY-L1-CME) vs NYISO ZONE G PEAK LBMP SWAP FUT (NY-KG-CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	80%	80%
PJM Western Hub Real-Time Off-Peak Calendar-Month 5 MW Futures (NY-N9-CME) vs PJM Western Hub Peak Calendar-Month Real-Time LMP Futures (NY-L1-CME)						
Spread Credit Rate	Increase	+16:-1	75%	75%	90%	90%
ETHANOL - Inter-commodity Spread Rates						
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	20%	20%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	-1:+1	30%	30%	20%	20%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	33%	33%	20%	20%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	-1:+1	30%	30%	20%	20%
INTEREST RATES - Inter-commodity Spread Rates						
10-YEAR ERIS SOFR SWAP FUTURE (CME-YIY) vs 10-YEAR MAC SWAP FUTURE (CME-N1U)						
Spread Credit Rate	Increase	+1:-1	85%	85%	95%	95%
5 YR SWAP ERIS Contracts 21+ vs 5YR DELIVERABLE SWAP CME						
Spread Credit Rate	Increase	+1:-1	85%	85%	95%	95%
5-YEAR ERIS SOFR SWAP FUTURE (CME-YIW) vs 5-YEAR MAC SWAP FUTURE (CME-F1U)						
Spread Credit Rate	Increase	+1:-1	85%	85%	95%	95%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NATURAL GAS - Inter-commodity Spread Rates						
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME)						
Spread Credit Rate	Increase	+1:-11	65%	65%	70%	70%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-N9 - CME)						
Spread Credit Rate	Increase	+1:-194	35%	35%	50%	50%
HENRY HUB NATURAL GAS FUTURES (NY-NG - CME) vs PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME)						
Spread Credit Rate	Increase	+1:-11	57%	57%	70%	70%
HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	25%	25%
NYISO ZONE G PEAK LBMP SWAP FUTURES (NY-KG - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	New	+11:-1			65%	65%
Spread Credit Rate	Increase	+11:-1	35%	35%	50%	50%
PJM AEP DAYTON HUB 5 MW OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-V3 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	New	-194:+1			65%	65%
Spread Credit Rate	Increase	-194:+1	56%	56%	60%	60%
PJM AEP DAYTON HUB 5MW PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-Z9 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	65%	65%	80%	80%
PJM WESTERN HUB OFF-PEAK CALENDAR-MONTH REAL-TIME LMP SWAP (NYM-N9 - CME) vs HENRY HUB NATURAL GAS (NYM-NG, NN, HP)						
Spread Credit Rate	Increase	+194:-1	50%	50%	75%	75%
PJM WESTERN HUB PEAK CALENDAR-MONTH REAL-TIME LMP SWAP FUTURES (NY-L1 - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)						
Spread Credit Rate	Increase	-11:+1	67%	67%	85%	85%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NGL/PETROCHEMICALS - Inter-commodity Spread Rates						
ARGUS PROPAN(SAUDI ARAMCO) SWP (NY-9N - CME) vs EUROPE NAPHTHA CALSWAP (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP (NYM-9N - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	90%	90%
Spread Credit Rate	Increase	+1:-1	65%	65%	80%	80%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-12	48%	48%	55%	55%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+1:-12	60%	60%	70%	70%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
Spread Credit Rate	Increase	+1:-12	50%	50%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-12	51%	51%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	45%	45%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+1:-12	60%	60%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+1:-12	50%	50%	55%	55%
Spread Credit Rate	Increase	+1:-12	60%	60%	70%	70%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	50%	50%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-12	50%	50%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-12	70%	70%	75%	75%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-12	44%	44%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	40%	40%	35%	35%
Spread Credit Rate	Decrease	+1:-12	54%	54%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP (NYM-7E - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP (NYM-9N - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	90%	90%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE FAR EAST INDEX SWAP (NYM-7E - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	85%	85%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-12	55%	55%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	65%	65%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+1:-12	65%	65%	75%	75%
Spread Credit Rate	Increase	+1:-12	35%	35%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	35%	35%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	35%	35%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	30%	30%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+1:-12	60%	60%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	45%	45%
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
Spread Credit Rate	Increase	+1:-12	20%	20%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	20%	20%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	66%	66%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	75%	75%
Spread Credit Rate	Increase	+19:-3	30%	30%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+15:-2			45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	55%	55%	45%	45%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	51%	51%	75%	75%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+1:-1	42%	42%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	54%	54%	75%	75%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	75%	75%
Spread Credit Rate	Increase	+19:-3	30%	30%	50%	50%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	58%	58%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	40%	40%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	35%	35%	45%	45%
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	40%	40%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
Spread Credit Rate	Increase	+1:-1	46%	46%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	38%	38%	50%	50%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	24%	24%	50%	50%
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	80%	80%
Spread Credit Rate	Increase	+1:-1	43%	43%	70%	70%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+1:-1	42%	42%	55%	55%
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	25%	25%	45%	45%
Spread Credit Rate	Increase	+19:-3	35%	35%	55%	55%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:-1	42%	42%	50%	50%
DME OMAN CRUDE OIL (NY-OQ) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	67%	67%	80%	80%
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-1	57%	57%	65%	65%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	45%	45%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-9	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:-9	53%	53%	65%	65%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-9	34%	34%	60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+1:-9	75%	75%	85%	85%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-9	46%	46%	70%	70%
Spread Credit Rate	Increase	+1:-9	45%	45%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-12	50%	50%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-12	60%	60%	75%	75%
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Increase	+1:-12	43%	43%	60%	60%
Spread Credit Rate	Increase	+1:-12	43%	43%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-12	53%	53%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I)						
Spread Credit Rate	Increase	+1:-12	60%	60%	65%	65%
Spread Credit Rate	Increase	+1:-12	40%	40%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB)						
Spread Credit Rate	Increase	+1:-12	55%	55%	65%	65%
Spread Credit Rate	Increase	+1:-12	40%	40%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	New	+1:-12			45%	45%
Spread Credit Rate	Increase	+1:-12	25%	25%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+1:-1	44%	44%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-12	47%	47%	40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) vs. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	30%	30%
Expand 1. ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME). 38256						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+3:-25	25%	25%	60%	60%
Spread Credit Rate	Increase	+3:-25	32%	32%	45%	45%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+3:-25	69%	69%	86%	86%
Spread Credit Rate	Increase	+3:-25	55%	55%	65%	65%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+3:-25	40%	40%	70%	70%
Spread Credit Rate	Increase	+3:-25	40%	40%	50%	50%
HENRY HUB NATURAL GAS FUTURES (NY-NG, NN, HP) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	25%	25%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+2:-15	36%	36%	40%	40%
Spread Credit Rate	Increase	+2:-15	56%	56%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	36%	36%	65%	65%
Spread Credit Rate	Increase	+2:-15	40%	40%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	65%	65%	83%	83%
Spread Credit Rate	Increase	+2:-15	65%	65%	70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	43%	43%	65%	65%
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL (NY-CL) vs CONWAY NORMAL BUTANE SWAP (NY-8M)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+12:-1	50%	50%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-2	50%	50%	45%	45%
Spread Credit Rate	Decrease	+1:-2	55%	55%	48%	48%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-1	47%	47%	55%	55%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV)						
Spread Credit Rate	Increase	+19:-3	45%	45%	60%	60%
Spread Credit Rate	Increase	+19:-3	40%	40%	55%	55%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+9:-1	48%	48%	65%	65%
Spread Credit Rate	Increase	+9:-1	35%	35%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+25:-3	25%	25%	60%	60%
Spread Credit Rate	Increase	+25:-3	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Increase	+1:-1	38%	38%	60%	60%
Spread Credit Rate	Increase	+1:-1	38%	38%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	42%	42%	60%	60%
Spread Credit Rate	Increase	+15:-2	35%	35%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB)						
Spread Credit Rate	Increase	+1:-1	70%	70%	90%	90%
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+19:-3	42%	42%	55%	55%
Spread Credit Rate	Increase	+19:-3	30%	30%	45%	45%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	40%	40%	45%	45%
Spread Credit Rate	Increase	+12:-1	70%	70%	75%	75%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	-1:-1	30%	30%	20%	20%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	75%	75%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	70%	70%	75%	75%
Spread Credit Rate	Increase	+12:-1	50%	50%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	52%	52%	65%	65%
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	65%	65%	85%	85%
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0) vs. GULF COAST NO.6 FUEL OIL 3.0%S (NY-MF)						
Spread Credit Rate	Increase	+1:-1	43%	43%	65%	65%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+12:-1	40%	40%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	85%	85%
Spread Credit Rate	Increase	+1:-1	32%	32%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	52%	52%	85%	85%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	Increase	+1:-1	54%	54%	85%	85%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1	70%	70%	75%	75%
Spread Credit Rate	Increase	+1:-1	85%	85%	90%	90%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
Spread Credit Rate	Increase	+1:-1	50%	50%	70%	70%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
Spread Credit Rate	Increase	+1:-1	63%	63%	85%	85%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	Increase	+1:-1	55%	55%	80%	80%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	33%	33%	20%	20%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	55%	55%
Spread Credit Rate	Increase	+19:-3	46%	46%	65%	65%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	43%	43%	65%	65%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	60%	60%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	70%	70%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	30%	30%	40%	40%
Spread Credit Rate	Increase	+19:-3	51%	51%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	65%	65%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+9:-1	42%	42%	65%	65%
Spread Credit Rate	Increase	+9:-1	25%	25%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+25:-3	30%	30%	50%	50%
Spread Credit Rate	Increase	+25:-3	20%	20%	65%	65%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	49%	49%	60%	60%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+1:-1	65%	65%	80%	80%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-1	70%	70%	85%	85%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+19:-3	44%	44%	55%	55%
Spread Credit Rate	Increase	+19:-3	30%	30%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-1	44%	44%	35%	35%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	66%	66%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			50%	50%
Spread Credit Rate	Increase	+12:-1	40%	40%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	29%	29%	75%	75%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
Spread Credit Rate	Increase	+12:-1	45%	45%	70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	Increase	+1:-1	55%	55%	87%	87%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	44%	44%	65%	65%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Increase	+12:-1	45%	45%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Increase	+12:-1	40%	40%	45%	45%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
OMAN CRUDE OIL (NY-OQ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	40%	40%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	-1:+1	30%	30%	20%	20%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	75%	75%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	60%	60%
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	35%	35%	60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	45%	45%	55%	55%
Spread Credit Rate	Increase	+9:-1	48%	48%	66%	66%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	70%	70%	75%	75%
Spread Credit Rate	Increase	+12:-1	45%	45%	50%	50%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			60%	60%
Spread Credit Rate	Increase	+25:-3	35%	35%	70%	70%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
Spread Credit Rate	Increase	+1:-1	54%	54%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	43%	43%	55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	50%	50%
Spread Credit Rate	Increase	+15:-2	42%	42%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	70%	70%	85%	85%
Spread Credit Rate	Increase	+1:-1	55%	55%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	75%	75%
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Increase	+1:-1	60%	60%	80%	80%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	40%	40%	50%	50%
Spread Credit Rate	Increase	+19:-3	40%	40%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-1	47%	47%	60%	60%
RBOB GASOLINE FUTURES (NY-RB - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
Spread Credit Rate	Increase	+12:-1	30%	30%	60%	60%
RBOB GASOLINE FUTURES (NY-RB - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
RBOB GASOLINE FUTURES (NY-RB - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	40%	40%
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	30%	30%	75%	75%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+3:-19	41%	41%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+3:-19	29%	29%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+3:-19	50%	50%	85%	85%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+3:-19	36%	36%	65%	65%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) VS. NAPHTHA CIF NEW (PLATTS) SWAP FUTURES (NY-EPN - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+1:-1	15%	15%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
REFINED PRODUCTS - Inter-commodity Spread Rates						
ARGUS PROPAN(SAUDI ARAMCO) SWP (NY-9N - CME) vs EUROPE NAPHTHA CALSWAP (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
Spread Credit Rate	Increase	+1:-12	50%	50%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-12	51%	51%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	45%	45%	65%	65%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	50%	50%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-12	44%	44%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	40%	40%	35%	35%
Spread Credit Rate	Decrease	+1:-12	54%	54%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	35%	35%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	35%	35%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	New	+1:-12			50%	50%
Spread Credit Rate	Increase	+1:-12	30%	30%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-12			30%	30%
Spread Credit Rate	Increase	+1:-12	20%	20%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	66%	66%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	55%	55%	75%	75%
Spread Credit Rate	Increase	+19:-3	30%	30%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	New	+15:-2			45%	45%
Spread Credit Rate	Increase	+15:-2	30%	30%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	51%	51%	75%	75%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	55%	55%	75%	75%
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	54%	54%	75%	75%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	75%	75%
Spread Credit Rate	Increase	+19:-3	30%	30%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	58%	58%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	40%	40%	50%	50%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	40%	40%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	45%	45%
Spread Credit Rate	Increase	+1:-1	46%	46%	55%	55%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	38%	38%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	25%	25%	45%	45%
Spread Credit Rate	Increase	+19:-3	35%	35%	55%	55%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:-1	42%	42%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+1:-1	67%	67%	80%	80%
Spread Credit Rate	Increase	+1:-1	55%	55%	70%	70%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-1	57%	57%	65%	65%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	45%	45%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	50%	50%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-9	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:-9	53%	53%	65%	65%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-9	34%	34%	60%	60%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+1:-9	75%	75%	85%	85%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-9	46%	46%	70%	70%
Spread Credit Rate	Increase	+1:-9	45%	45%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-12	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-12	50%	50%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Increase	+1:-12	43%	43%	60%	60%
Spread Credit Rate	Increase	+1:-12	43%	43%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-12	53%	53%	65%	65%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	New	+1:-12			45%	45%
Spread Credit Rate	Increase	+1:-12	25%	25%	55%	55%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+1:-1	44%	44%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-12	47%	47%	40%	40%
Expand 1. ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME). 38256						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+3:-25	25%	25%	60%	60%
Spread Credit Rate	Increase	+3:-25	32%	32%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%
Spread Credit Rate	Decrease	+3:-25	30%	30%	0%	0%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+3:-25	69%	69%	86%	86%
Spread Credit Rate	Increase	+3:-25	55%	55%	65%	65%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+3:-25	40%	40%	70%	70%
Spread Credit Rate	Increase	+3:-25	40%	40%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+2:-15	36%	36%	40%	40%
Spread Credit Rate	Increase	+2:-15	56%	56%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+2:-15	35%	35%	50%	50%
Spread Credit Rate	Increase	+2:-15	30%	30%	60%	60%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	36%	36%	65%	65%
Spread Credit Rate	Increase	+2:-15	40%	40%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Increase	+2:-15	65%	65%	83%	83%
Spread Credit Rate	Increase	+2:-15	65%	65%	70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+2:-15	43%	43%	65%	65%
Spread Credit Rate	Increase	+2:-15	45%	45%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV)						
Spread Credit Rate	Increase	+19:-3	45%	45%	60%	60%
Spread Credit Rate	Increase	+19:-3	40%	40%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+9:-1	48%	48%	65%	65%
Spread Credit Rate	Increase	+9:-1	35%	35%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+25:-3	25%	25%	60%	60%
Spread Credit Rate	Increase	+25:-3	30%	30%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Increase	+1:-1	38%	38%	60%	60%
Spread Credit Rate	Increase	+1:-1	38%	38%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	42%	42%	60%	60%
Spread Credit Rate	Increase	+15:-2	35%	35%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM)						
Spread Credit Rate	Increase	+1:-1	55%	55%	60%	60%
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+19:-3	42%	42%	55%	55%
Spread Credit Rate	Increase	+19:-3	30%	30%	45%	45%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	52%	52%	65%	65%
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0) vs. GULF COAST NO.6 FUEL OIL 3.0% (NY-MF)						
Spread Credit Rate	Increase	+1:-1	43%	43%	65%	65%
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	52%	52%	85%	85%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	Increase	+1:-1	54%	54%	85%	85%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
Spread Credit Rate	Increase	+1:-1	63%	63%	85%	85%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	Increase	+1:-1	55%	55%	80%	80%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	55%	55%
Spread Credit Rate	Increase	+19:-3	46%	46%	65%	65%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	43%	43%	65%	65%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	40%	40%	70%	70%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	30%	30%	40%	40%
Spread Credit Rate	Increase	+19:-3	51%	51%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	40%	40%
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Increase	+9:-1	42%	42%	65%	65%
Spread Credit Rate	Increase	+9:-1	25%	25%	50%	50%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H)						
Spread Credit Rate	Increase	+25:-3	30%	30%	50%	50%
Spread Credit Rate	Increase	+25:-3	20%	20%	65%	65%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Increase	+15:-2	49%	49%	60%	60%
Spread Credit Rate	Increase	+15:-2	30%	30%	45%	45%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Increase	+19:-3	44%	44%	55%	55%
Spread Credit Rate	Increase	+19:-3	30%	30%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB) vs. SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS)						
Spread Credit Rate	Decrease	+1:-1	44%	44%	35%	35%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	66%	66%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			50%	50%
Spread Credit Rate	Increase	+12:-1	40%	40%	65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	29%	29%	75%	75%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	40%	40%	65%	65%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
Spread Credit Rate	Increase	+12:-1	45%	45%	70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	Increase	+1:-1	55%	55%	87%	87%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+1:-1	45%	45%	50%	50%
Spread Credit Rate	Increase	+1:-1	44%	44%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Increase	+19:-3	45%	45%	60%	60%
Spread Credit Rate	Increase	+19:-3	55%	55%	70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+15:-2	35%	35%	60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+9:-1	45%	45%	55%	55%
Spread Credit Rate	Increase	+9:-1	48%	48%	66%	66%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			60%	60%
Spread Credit Rate	Increase	+25:-3	35%	35%	70%	70%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	55%	55%
Spread Credit Rate	Increase	+1:-1	54%	54%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	43%	43%	55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Increase	+15:-2	45%	45%	50%	50%
Spread Credit Rate	Increase	+15:-2	42%	42%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Increase	+1:-1	40%	40%	55%	55%
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Increase	+19:-3	40%	40%	50%	50%
Spread Credit Rate	Increase	+19:-3	40%	40%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	50%	50%
Spread Credit Rate	Increase	+1:-1	47%	47%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RBOB GASOLINE FUTURES (NY-RB - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			45%	45%
Spread Credit Rate	Increase	+12:-1	30%	30%	60%	60%
RBOB GASOLINE FUTURES (NY-RB - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Increase	+12:-1	50%	50%	60%	60%
RBOB GASOLINE FUTURES (NY-RB - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Increase	+1:-1	20%	20%	40%	40%
Spread Credit Rate	Increase	+1:-1	35%	35%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
Spread Credit Rate	Increase	+1:-1	30%	30%	75%	75%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	45%	45%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
Spread Credit Rate	Increase	+1:-1	35%	35%	65%	65%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	50%	50%	65%	65%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Increase	+3:-19	41%	41%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Increase	+3:-19	29%	29%	50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Increase	+3:-19	50%	50%	85%	85%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Increase	+3:-19	36%	36%	65%	65%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Increase	+1:-1	35%	35%	55%	55%
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	52%	52%