



18-336

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, August 23, 2018

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

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

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below.

The rates will be effective after the close of business on

Friday, August 24, 2018.

Current rates as of:

Thursday, August 23, 2018.

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

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

The volatility scan range is the change in implied volatility that is used in each of SPAN's 16 scenarios.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COAL - Outright Rates

AUSTRALIAN COKING (PLATTS) LOW VOL (ALW)

ALW	Spec	Mnth 1	Decrease	USD	14,850	13,500	13,200	12,000
ALW	Hedge/Member	Mnth 1	Decrease	USD	13,500	13,500	12,000	12,000
ALW	Spec	Mnth 2	Decrease	USD	14,850	13,500	13,200	12,000
ALW	Hedge/Member	Mnth 2	Decrease	USD	13,500	13,500	12,000	12,000
ALW	Spec	Mnths 3-4	Decrease	USD	14,850	13,500	13,200	12,000
ALW	Hedge/Member	Mnths 3-4	Decrease	USD	13,500	13,500	12,000	12,000
ALW	Spec	Mnths 5-11	Decrease	USD	14,850	13,500	13,200	12,000
ALW	Hedge/Member	Mnths 5-11	Decrease	USD	13,500	13,500	12,000	12,000

EASTERN RAIL DELIVERY CSX COAL FUT (QX)

QX	Spec	Mths 1	Decrease	USD	1,650	1,500	1,540	1,400
QX	Hedge/Member	Mths 1	Decrease	USD	1,500	1,500	1,400	1,400
QX	Spec	Mths 2-3	Decrease	USD	1,650	1,500	1,540	1,400
QX	Hedge/Member	Mths 2-3	Decrease	USD	1,500	1,500	1,400	1,400
QX	Spec	Mths 4-6	Decrease	USD	1,650	1,500	1,540	1,400
QX	Hedge/Member	Mths 4-6	Decrease	USD	1,500	1,500	1,400	1,400
QX	Spec	Mnths 7-11	Decrease	USD	1,650	1,500	1,540	1,400
QX	Hedge/Member	Mnths 7-11	Decrease	USD	1,500	1,500	1,400	1,400
QX	Spec	Mnths 12+	Decrease	USD	1,650	1,500	1,540	1,400
QX	Hedge/Member	Mnths 12+	Decrease	USD	1,500	1,500	1,400	1,400

CRUDE OIL - Outright Rates

DME OMAN CRUDE OIL PLATTS BALMO (DOB)

DOB	Spec		New	USD			4,950	4,500
DOB	Hedge/Member		New	USD			4,500	4,500

CRUDE OIL SPREADS - Outright Rates

BRENT OIL VS DME OMAN PLATT DUBAI (DBR)

DBR	Spec	Mnth 1	New	USD			935	850
DBR	Hedge/Member	Mnth 1	New	USD			850	850
DBR	Spec	Mnths 2+	New	USD			880	800
DBR	Hedge/Member	Mnths 2+	New	USD			800	800

BRENT OILVS DME OMAN/PLATTS BALMO (DRB)

DRB	Spec		New	USD			1,155	1,050
DRB	Hedge/Member		New	USD			1,050	1,050

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

DME Products - Outright Rates

DME OMAN CRUDE/PLATTS DUBAI CRUDE (DOP)

DOP	Spec	Mnth1	New	USD		4,180	3,800
DOP	Hedge/Member	Mnth1	New	USD		3,800	3,800
DOP	Spec	Mnth 2-3	New	USD		3,960	3,600
DOP	Hedge/Member	Mnth 2-3	New	USD		3,600	3,600
DOP	Spec	Mnth 4-8	New	USD		3,740	3,400
DOP	Hedge/Member	Mnth 4-8	New	USD		3,400	3,400
DOP	Spec	Mnth 9+	New	USD		3,300	3,000
DOP	Hedge/Member	Mnth 9+	New	USD		3,000	3,000

MINI DME OMAN CRUDE/PLATTS DUBAI (DMB)

DMB	Spec	Mnth1	New	USD		418	380
DMB	Hedge/Member	Mnth1	New	USD		380	380
DMB	Spec	Mnth 2-3	New	USD		396	360
DMB	Hedge/Member	Mnth 2-3	New	USD		360	360
DMB	Spec	Mnth 4-8	New	USD		374	340
DMB	Hedge/Member	Mnth 4-8	New	USD		340	340
DMB	Spec	Mnth 9+	New	USD		330	300
DMB	Hedge/Member	Mnth 9+	New	USD		300	300

SING GAS PLAT VS DME OMAN CRK (DSG)

DSG	Spec	Mth 1	New	USD		2,200	2,000
DSG	Hedge/Member	Mth 1	New	USD		2,000	2,000
DSG	Spec	Mths 2+	New	USD		1,925	1,750
DSG	Hedge/Member	Mths 2+	New	USD		1,750	1,750

SING GAS PLAT VS DME OMAN DUBAI CRK (DGH)

DGH	Spec	Mth 1	New	USD		2,200	2,000
DGH	Hedge/Member	Mth 1	New	USD		2,000	2,000
DGH	Spec	Mths 2+	New	USD		1,925	1,750
DGH	Hedge/Member	Mths 2+	New	USD		1,750	1,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
FREIGHT - Outright Rates								
FREIGHT ROUTE LIQUID PETROLEUM GAS (FLP)								
FLP	Spec	Mth 1	Decrease	USD	3,575	3,250	3,300	3,000
FLP	Hedge/Member	Mth 1	Decrease	USD	3,250	3,250	3,000	3,000
FREIGHT ROUTE TD3C FUTURES (TL)								
TL	Spec	Mnth 1	Decrease	USD	1,100	1,000	990	900
TL	Hedge/Member	Mnth 1	Decrease	USD	1,000	1,000	900	900
TL	Spec	Mnth 2	Decrease	USD	825	750	770	700
TL	Hedge/Member	Mnth 2	Decrease	USD	750	750	700	700
TL	Spec	Mnths 3+	Decrease	USD	715	650	660	600
TL	Hedge/Member	Mnths 3+	Decrease	USD	650	650	600	600
FX - Outright Rates								
E-MICRO USD/CNH FUTURES (MNH)								
MNH	Spec	Months 1-12	Increase	CNH	1,045	950	1,210	1,100
MNH	Hedge/Member	Months 1-12	Increase	CNH	950	950	1,100	1,100
MNH	Spec	Months 13+	Increase	CNH	1,287	1,170	1,485	1,350
MNH	Hedge/Member	Months 13+	Increase	CNH	1,170	1,170	1,350	1,350
HUNGARIAN FORINT (USD) FUTURES (FR)								
FR	Spec		Increase	USD	2,530	2,300	3,025	2,750
FR	Hedge/Member		Increase	USD	2,300	2,300	2,750	2,750
SKR/USD CROSS RATE FUTURES (SE)								
SE	Spec		Increase	USD	5,390	4,900	5,830	5,300
SE	Hedge/Member		Increase	USD	4,900	4,900	5,300	5,300
U.S. DOLLAR S.A. RAND FUTURES (ZAR)								
ZAR	Spec		Increase	ZAR	72,600	66,000	93,500	85,000
ZAR	Hedge/Member		Increase	ZAR	66,000	66,000	85,000	85,000
U.S. DOLLAR TURKISH LIRA FUTURES (TRY)								
TRY	Spec		Increase	TRY	110,000	100,000	132,000	120,000
TRY	Hedge/Member		Increase	TRY	100,000	100,000	120,000	120,000
USD/CNH FUTURES (CNH)								
CNH	Spec	Months 1-12	Increase	CNH	10,450	9,500	12,100	11,000
CNH	Hedge/Member	Months 1-12	Increase	CNH	9,500	9,500	11,000	11,000
CNH	Spec	Months 13+	Increase	CNH	12,870	11,700	14,850	13,500
CNH	Hedge/Member	Months 13+	Increase	CNH	11,700	11,700	13,500	13,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
GAS EUROBOB NON OXY BARGES(ARG) CRA (GNS)								
GNS	Spec	Mnth 1	New	USD			3,520	3,200
GNS	Hedge/Member	Mnth 1	New	USD			3,200	3,200
GNS	Spec	Mnth 2-6	New	USD			3,300	3,000
GNS	Hedge/Member	Mnth 2-6	New	USD			3,000	3,000
GNS	Spec	Mnths 7+	New	USD			3,080	2,800
GNS	Hedge/Member	Mnths 7+	New	USD			2,800	2,800
GAS EUROBOB NON-OXY VS OXY NWE FUT (GES)								
GES	Spec	Mnth 1	New	USD			19,250	17,500
GES	Hedge/Member	Mnth 1	New	USD			17,500	17,500
GES	Spec	Mnths 2-6	New	USD			19,250	17,500
GES	Hedge/Member	Mnths 2-6	New	USD			17,500	17,500
GES	Spec	Mnths 7+	New	USD			19,250	17,500
GES	Hedge/Member	Mnths 7+	New	USD			17,500	17,500
RBOB GAS VS EUROBOB NON-OXY NWE FUT (RGF)								
RGF	Spec	Mnth 1	New	USD			11,110	10,100
RGF	Hedge/Member	Mnth 1	New	USD			10,100	10,100
RGF	Spec	Mnths 2-6	New	USD			11,000	10,000
RGF	Hedge/Member	Mnths 2-6	New	USD			10,000	10,000
RGF	Spec	Mnths 7+	New	USD			10,780	9,800
RGF	Hedge/Member	Mnths 7+	New	USD			9,800	9,800
SING FUEL OIL PLATT VS DME OMAM CRK (DUA)								
DUA	Spec	Mth 1	New	USD			9,350	8,500
DUA	Hedge/Member	Mth 1	New	USD			8,500	8,500
DUA	Spec	Mths 2+	New	USD			8,250	7,500
DUA	Hedge/Member	Mths 2+	New	USD			7,500	7,500
SINGAPORE GAS 92 VS EUROBOB NON-OXY (SGF)								
SGF	Spec	Mnth 1	New	USD			1,760	1,600
SGF	Hedge/Member	Mnth 1	New	USD			1,600	1,600
SGF	Spec	Mnths 2-6	New	USD			1,540	1,400
SGF	Hedge/Member	Mnths 2-6	New	USD			1,400	1,400
SGF	Spec	Mnths 7+	New	USD			1,320	1,200
SGF	Hedge/Member	Mnths 7+	New	USD			1,200	1,200

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

REFINED PRODUCTS - Outright Rates

GAS EUROBOB NON OXY (ARG) NWE BRG (GNO)

GNO	Spec	Mnth 1	New	USD			46,200	42,000
GNO	Hedge/Member	Mnth 1	New	USD			42,000	42,000
GNO	Spec	Mnths 2-6	New	USD			45,540	41,400
GNO	Hedge/Member	Mnths 2-6	New	USD			41,400	41,400
GNO	Spec	Mnths 7+	New	USD			43,010	39,100
GNO	Hedge/Member	Mnths 7+	New	USD			39,100	39,100

GAS EUROBOB NON OXY (ARGUS) BALMO (GNB)

GNB	Spec	Mnth 1	New	USD			55,440	50,400
GNB	Hedge/Member	Mnth 1	New	USD			50,400	50,400
GNB	Spec	Mnths 2+	New	USD			54,670	49,700
GNB	Hedge/Member	Mnths 2+	New	USD			49,700	49,700

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								
DME Oman Crude Oil BALMO Swap Futures - All Months (DME OMAN CRUDE OIL PLATTS BALMO)								
DOB	Spec		New	USD			2,640	2,400
DOB	Hedge/Member		New	USD			2,400	2,400
CRUDE OIL SPREADS - Intra Spreads								
All months vs All months (BRENT OILVS DME OMAN/PLATTS BALMO)								
DRB	Spec		New	USD			1,045	950
DRB	Hedge/Member		New	USD			950	950
Mnths 1 vs 2-3 (BRENT OIL VS DME OMAN PLATT DUBAI)								
DBR	Spec		New	USD			880	800
DBR	Hedge/Member		New	USD			800	800
Mnths 1 vs 4+ (BRENT OIL VS DME OMAN PLATT DUBAI)								
DBR	Spec		New	USD			880	800
DBR	Hedge/Member		New	USD			800	800
Mnths 2-3 v 2-3 (BRENT OIL VS DME OMAN PLATT DUBAI)								
DBR	Spec		New	USD			880	800
DBR	Hedge/Member		New	USD			800	800
Mnths 2-3 vs 4+ (BRENT OIL VS DME OMAN PLATT DUBAI)								
DBR	Spec		New	USD			880	800
DBR	Hedge/Member		New	USD			800	800
Mnths 4+ vs 4+ (BRENT OIL VS DME OMAN PLATT DUBAI)								
DBR	Spec		New	USD			880	800
DBR	Hedge/Member		New	USD			800	800

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								
all months (SING GAS PLAT VS DME OMAN CRK)								
DSG	Spec		New	USD			880	800
DSG	Hedge/Member		New	USD			800	800
All months (SING GAS PLAT VS DME OMAN DUBAI CRK)								
DGH	Spec		New	USD			880	800
DGH	Hedge/Member		New	USD			800	800
Mnth 1 vs 2-3 (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			2,200	2,000
DOP	Hedge/Member		New	USD			2,200	2,000
Mnth 1 vs 2-3 (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			220	200
DMB	Hedge/Member		New	USD			200	200
Mnth 1 vs 4-8 (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			2,200	2,000
DOP	Hedge/Member		New	USD			2,000	2,000
Mnth 1 vs 4-8 (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			220	200
DMB	Hedge/Member		New	USD			200	200
Mnth 1 vs 9+ (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			2,200	2,000
DOP	Hedge/Member		New	USD			2,000	2,000
Mnth 1 vs 9+ (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			220	200
DMB	Hedge/Member		New	USD			200	200
Mnths 2-3 vs 2-3 (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			440	400
DOP	Hedge/Member		New	USD			400	400
Mnths 2-3 vs 2-3 (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			44	40
DMB	Hedge/Member		New	USD			40	40
Mnths 2-3 vs 4-8 (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			660	600
DOP	Hedge/Member		New	USD			600	600

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Mnths 2-3 vs 4-8 (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			66	60
DMB	Hedge/Member		New	USD			60	60
Mnths 2-3 vs 9+ (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			1,430	1,300
DOP	Hedge/Member		New	USD			1,300	1,300
Mnths 2-3 vs 9+ (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			143	130
DMB	Hedge/Member		New	USD			130	130
Mnths 4-7 vs 4-7 (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			440	400
DOP	Hedge/Member		New	USD			400	400
Mnths 4-7 vs 4-7 (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			44	40
DMB	Hedge/Member		New	USD			40	40
Mnths 4-7 vs 9+ (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			1,320	1,200
DOP	Hedge/Member		New	USD			1,200	1,200
Mnths 4-7 vs 9+ (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			132	120
DMB	Hedge/Member		New	USD			120	120
Mnths 9+ vs 9+ (DME OMAN CRUDE/PLATTS DUBAI CRUDE)								
DOP	Spec		New	USD			1,210	1,100
DOP	Hedge/Member		New	USD			1,100	1,100
Mnths 9+ vs 9+ (MINI DME OMAN CRUDE/PLATTS DUBAI)								
DMB	Spec		New	USD			121	110
DMB	Hedge/Member		New	USD			110	110
NATURAL GAS - Intra Spreads								
Columbia Gas Transmission Corp. Appalachia (TCO) B - All Months (TCO BASIS FUT)								
TC	Spec		Increase	USD	99	90	121	110
TC	Hedge/Member		Increase	USD	90	90	110	110
NGL/PETROCHEMICALS - Intra Spreads								
Conway Propane (OPIS) Swap - Mnth 2+ All Months (CONWAY PROPANE 5 DEC. FUT)								
8K	Spec		Increase	USD	770	700	990	900
8K	Hedge/Member		Increase	USD	700	700	900	900

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
All mnths vs All mnths (RBOB GAS VS EUROBOB NON-OXY NWE FUT)								
RGF	Spec		New	USD			11,000	10,000
RGF	Hedge/Member		New	USD			10,000	10,000
all months (SING FUEL OIL PLATT VS DME OMAM CRK)								
DUA	Spec		New	USD			3,300	3,000
DUA	Hedge/Member		New	USD			3,000	3,000
All months vs All months (GAS EUROBOB NON OXY BARGES(ARG) CRA)								
GNS	Spec		New	USD			2,200	2,000
GNS	Hedge/Member		New	USD			2,000	2,000
Mnth 1 vs 2+ (GAS EUROBOB NON-OXY VS OXY NWE FUT)								
GES	Spec		New	USD			8,800	8,000
GES	Hedge/Member		New	USD			8,000	8,000
Mnth 1 vs 2+ (SINGAPORE GAS 92 VS EUROBOB NON-OXY)								
SGF	Spec		New	USD			1,760	1,600
SGF	Hedge/Member		New	USD			1,600	1,600
Mnth 2+ vs 2+ (GAS EUROBOB NON-OXY VS OXY NWE FUT)								
GES	Spec		New	USD			8,800	8,000
GES	Hedge/Member		New	USD			8,000	8,000
Mnths 2+ vs 2+ (SINGAPORE GAS 92 VS EUROBOB NON-OXY)								
SGF	Spec		New	USD			1,540	1,400
SGF	Hedge/Member		New	USD			1,400	1,400

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								
all mnths vs all mnths (GAS EUROBOB NON OXY (ARGUS) BALMO)								
GNB	Spec		New	USD			23,650	21,500
GNB	Hedge/Member		New	USD			21,500	21,500
Months 1 vs 2-6 (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Spec		New	USD			12,375	11,250
GNO	Hedge/Member		New	USD			11,250	11,250
Months 1 vs 7+ (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Spec		New	USD			12,375	11,250
GNO	Hedge/Member		New	USD			11,250	11,250
Months 2-6 vs 7+ (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Spec		New	USD			19,250	17,500
GNO	Hedge/Member		New	USD			17,500	17,500
Months 7+ vs 7+ (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Spec		New	USD			5,500	5,000
GNO	Hedge/Member		New	USD			5,000	5,000
Rel Period 2-3 (GAS EUROBOB NON OXY (ARG) NWE BRG)								
GNO	Spec		New	USD			6,050	5,500
GNO	Hedge/Member		New	USD			5,500	5,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL - Inter-commodity Spread Rates						
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:-1	0%	0%	35%	35%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (NY-DBR - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+1:-12			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) CRACK SPREAD FUTURES (NY-GNS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	-3:+3:+25			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (NY-DBR - CME) vs BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL BALMO FUTURES (NY-DRB - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (NY-DBR - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%

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 DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-1	0%	0%	35%	35%
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%	55%	55%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:-1			65%	65%
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (NY-DBR - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
Spread Credit Rate	New	+1:-1			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	New	+9:-1			70%	70%
Spread Credit Rate	New	+9:-1			80%	80%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 180CST (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD (1000MT) FUTURE (NY-DUA - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:+19:-3			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL (PLATTS) VS DME OMAN/PLATTS DUBAI CRACK SPREAD FUTURE (NY-DSG - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL 0.05% (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD FUTURES (NY-DGH - CME) vs SINGAPORE GASOIL 500 PPM (PLATTS) FUTURES (NY-GHS - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%

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 OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			80%	80%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
OMAN CRUDE OIL (NY-OQ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

ETHANOL - Inter-commodity Spread Rates

LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)

Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
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MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)

Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
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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 PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	45%	45%	55%	55%
Spread Credit Rate	Increase	+1:-12	45%	45%	60%	60%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	35%	35%	40%	40%
Spread Credit Rate	Increase	+1:-1	0%	0%	35%	35%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC)						
Spread Credit Rate	Increase	+1:-1	35%	35%	45%	45%
Spread Credit Rate	Increase	+1:-1	0%	0%	35%	35%
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%	55%	55%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			45%	45%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-12			60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-12	40%	40%	55%	55%
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Increase	+1:-12	55%	55%	60%	60%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. DME OMAN CRUDE OIL (NY-OQ)						
Spread Credit Rate	Increase	+1:-1	50%	50%	60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+12:-1			60%	60%
OMAN CRUDE OIL (NY-OQ - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
OMAN CRUDE OIL (NY-OQ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	New	+12:-1			60%	60%

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 MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			60%	60%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	55%	55%
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 180CST (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD (1000MT) FUTURE (NY-DUA - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:+19:-3			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) CRACK SPREAD FUTURES (NY-GNS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	-3:+3:+25			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) VS GASOLINE EUROBOB OXY NWE BARGES (ARGUS) FUTURES (NY-GES - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	-1:+1:+1			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs RBOB GASOLINE V ERUOBOB NON-OXY NWE BARGES (ARGUS) (349,860 GALLONS) FUTURES (NY-RGF - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+3:+3:-25			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs SINGAPORE GASOLINE 92 UNLEADED (PLATTS) VS GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-SGF - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+3:+3:-25			99.5%	99.5%

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						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	New	+9:-1			70%	70%
Spread Credit Rate	New	+9:-1			80%	80%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:-3			80%	80%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 180CST (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD (1000MT) FUTURE (NY-DUA - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	New	+19:+19:-3			100%	100%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	New	+19:-3			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL (PLATTS) VS DME OMAN/PLATTS DUBAI CRACK SPREAD FUTURE (NY-DSG - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE GASOIL 0.05% (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD FUTURES (NY-DGH - CME) vs SINGAPORE GASOIL 500 PPM (PLATTS) FUTURES (NY-GHS - CME)						
Spread Credit Rate	New	+1:+1:-1			99.5%	99.5%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	New	+1:-1			55%	55%
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (NY-DOP - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	New	+3:-25			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) BALMO FUTURES (NY-GNB - CME)						
Spread Credit Rate	New	+1:-1			75%	75%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) CRACK SPREAD FUTURES (NY-GNS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	New	-3:+3:+25			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) VS GASOLINE EUROBOB OXY NWE BARGES (ARGUS) FUTURES (NY-GES - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	-1:+1:+1			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
Spread Credit Rate	New	+1:-1			75%	75%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	New	+3:-25			70%	70%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs RBOB GASOLINE V ERUOBOB NON-OXY NWE BARGES (ARGUS) (349,860 GALLONS) FUTURES (NY-RGF - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	New	+3:+3:-25			99.5%	99.5%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-GNO - CME) vs SINGAPORE GASOLINE 92 UNLEADED (PLATTS) VS GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (NY-SGF - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	New	+3:+3:-25			99.5%	99.5%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs DME OMAN CRUDE OIL CALENDAR FUTURES (NY-ODO - CME)						
Spread Credit Rate	New	+1:-1			80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
CRUDE OIL SPREADS - Short Option Minimum (SOM) Rate						
BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL BALMO FUTURES (DRB) - SOM						
Clearing Member Rate		New			49.500	45.000
BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (DBR) - SOM						
Clearing Member Rate		New			16.500	15.000
DME Products - Short Option Minimum (SOM) Rate						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (DMB, DOP) - SOM						
Clearing Member Rate		New			33.000	30.000
SINGAPORE GASOIL (PLATTS) VS DME OMAN/PLATTS DUBAI CRACK SPREAD FUTURE (DSG) - SOM						
Clearing Member Rate		New			55.000	50.000
SINGAPORE GASOIL 0.05% (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD FUTURES (DGH) - SOM						
Clearing Member Rate		New			55.000	50.000
PETROLEUM CRACKS AND SPREADS - Short Option Minimum (SOM) Rate						
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) CRACK SPREAD FUTURES (GNS) - SOM						
Clearing Member Rate		New			220.000	200.000
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) VS GASOLINE EUROBOB OXY NWE BARGES (ARGUS) FUTURES (GES) - SOM						
Clearing Member Rate		New			220.000	200.000
RBOB GASOLINE V ERUOBOB NON-OXY NWE BARGES (ARGUS) (349,860 GALLONS) FUTURES (RGF) - SOM						
Clearing Member Rate		New			440.000	400.000
SINGAPORE FUEL OIL 180CST (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD (1000MT) FUTURE (DUA) - SOM						
Clearing Member Rate		New			11.000	10.000
SINGAPORE GASOLINE 92 UNLEADED (PLATTS) VS GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (SGF) - SOM						
Clearing Member Rate		New			220.000	200.000
REFINED PRODUCTS - Short Option Minimum (SOM) Rate						
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) BALMO FUTURES (GNB) - SOM						
Clearing Member Rate		New			385.000	350.000
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (GNO) - SOM						
Clearing Member Rate		New			385.000	350.000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
CRUDE OIL - Volatility Scan (volScan) Rate						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL BALMO FUTURE (DOB, DOB) - volScan						
Clearing Member Rate		New				25.000%
CRUDE OIL SPREADS - Volatility Scan (volScan) Rate						
BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL BALMO FUTURES (DRB) - volScan						
Clearing Member Rate		New				25.000%
BRENT CRUDE OIL VS DME OMAN/PLATTS DUBAI CRUDE OIL FUTURES (DBR) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnths 2+	New				25.000%
DME Products - Volatility Scan (volScan) Rate						
DME OMAN CRUDE OIL/PLATTS DUBAI CRUDE OIL FUTURES (DMB, DOP) - volScan						
Clearing Member Rate	Mnth1	New				25.000%
Clearing Member Rate	Mnth 2-3	New				25.000%
Clearing Member Rate	Mnth 4-8	New				25.000%
Clearing Member Rate	Mnth 9+	New				25.000%
SINGAPORE GASOIL (PLATTS) VS DME OMAN/PLATTS DUBAI CRACK SPREAD FUTURE (DSG) - volScan						
Clearing Member Rate	Mth 1	New				25.000%
Clearing Member Rate	Mths 2+	New				25.000%
SINGAPORE GASOIL 0.05% (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD FUTURES (DGH) - volScan						
Clearing Member Rate	Mth 1	New				25.000%
Clearing Member Rate	Mths 2+	New				25.000%
NATURAL GAS - Volatility Scan (volScan) Rate						
LNG JAPAN/KOREA MARKER (PLATTS) SWAP FUTURES (JKM, JKO) - volScan						
Clearing Member Rate	Month 1	Switch to % of Vol		0.08		25.000%
Clearing Member Rate	Month 2	Switch to % of Vol		0.08		25.000%
Clearing Member Rate	Month 3+	Switch to % of Vol		0.08		25.000%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
PETROLEUM CRACKS AND SPREADS - Volatility Scan (volScan) Rate						
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) CRACK SPREAD FUTURES (GNS) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnth 2-6	New				25.000%
Clearing Member Rate	Mnths 7+	New				25.000%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) VS GASOLINE EUROBOB OXY NWE BARGES (ARGUS) FUTURES (GES) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnths 2-6	New				25.000%
Clearing Member Rate	Mnths 7+	New				25.000%
RBOB GASOLINE V ERUOBOB NON-OXY NWE BARGES (ARGUS) (349,860 GALLONS) FUTURES (RGF) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnths 2-6	New				25.000%
Clearing Member Rate	Mnths 7+	New				25.000%
SINGAPORE FUEL OIL 180CST (PLATTS) VS DME OMAN/PLATTS DUBAI CRUDE OIL CRACK SPREAD (1000MT) FUTURE (DUA) - volScan						
Clearing Member Rate	Mth 1	New				25.000%
Clearing Member Rate	Mths 2+	New				25.000%
SINGAPORE GASOLINE 92 UNLEADED (PLATTS) VS GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (SGF) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnths 2-6	New				25.000%
Clearing Member Rate	Mnths 7+	New				25.000%
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) BALMO FUTURES (GNB) - volScan						
Clearing Member Rate	Mnths 2+	New				25.000%
Clearing Member Rate	Mnth 1	New				25.000%
GASOLINE EUROBOB NON-OXY NWE BARGES (ARGUS) FUTURES (GNO) - volScan						
Clearing Member Rate	Mnth 1	New				25.000%
Clearing Member Rate	Mnths 2-6	New				25.000%
Clearing Member Rate	Mnths 7+	New				25.000%