



22-259

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, July 7, 2022

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. Please email any questions to Clearing.RiskManagement@cmegroup.com.

The rates will be effective after the close of business on

Friday, July 8, 2022.

Current rates as of:

Thursday, July 7, 2022.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
NONFAT DRY MILK FUTURES (NF)								
NF	Non-HRP	Months 10-15	Increase	USD	1,870	1,870	2,000	2,000
NF	HRP	Months 10-15	Increase	USD	2,057	1,870	2,200	2,000
CRUDE OIL SPREADS - Outright Rates								
EDMONTON C5+ CONDENSATE MONTHLY INX (CC5)								
CC5	Non-HRP	Mnths 1-2	Increase	USD	3,000	3,000	3,400	3,400
CC5	HRP	Mnths 1-2	Increase	USD	3,300	3,000	3,740	3,400
CC5	Non-HRP	Mnths 3-6	Increase	USD	2,700	2,700	3,100	3,100
CC5	HRP	Mnths 3-6	Increase	USD	2,970	2,700	3,410	3,100
CC5	Non-HRP	Mnths 7+	Increase	USD	2,300	2,300	2,700	2,700
CC5	HRP	Mnths 7+	Increase	USD	2,530	2,300	2,970	2,700
HARDISTY W CANADIAN SELECT MONTHLY (WCW)								
WCW	Non-HRP	Mnth 1	Increase	USD	2,050	2,050	2,450	2,450
WCW	HRP	Mnth 1	Increase	USD	2,255	2,050	2,695	2,450
WCW	Non-HRP	Mnth 2	Increase	USD	2,000	2,000	2,400	2,400
WCW	HRP	Mnth 2	Increase	USD	2,200	2,000	2,640	2,400
WCW	Non-HRP	Mnths 3+	Increase	USD	1,900	1,900	2,300	2,300
WCW	HRP	Mnths 3+	Increase	USD	2,090	1,900	2,530	2,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
EQUITY INDEX - Outright Rates								
BITCOIN FUTURES (BTC)								
BTC	Non-HRP		Decrease	USD	29%	29%	26%	26%
BTC	HRP		Decrease	USD	32%	29%	29%	26%
BTIC ON BITCOIN FUTURES (BTB)								
BTB	Non-HRP		Decrease	USD	29%	29%	26%	26%
BTB	HRP		Decrease	USD	32%	29%	29%	26%
BTIC ON BITCOIN FUTURES MARKER (BTM)								
BTM	Non-HRP		Decrease	USD	29%	29%	26%	26%
BTM	HRP		Decrease	USD	32%	29%	29%	26%
BTIC ON ETHER FUTURES (ETB)								
ETB	Non-HRP		Decrease	USD	32%	32%	29%	29%
ETB	HRP		Decrease	USD	35%	32%	32%	29%
BTIC ON ETHER FUTURES MARKER (ETM)								
ETM	Non-HRP		Decrease	USD	32%	32%	29%	29%
ETM	HRP		Decrease	USD	35%	32%	32%	29%
BTIC ON MICRO BITCOIN FUTURES (MIB)								
MIB	Non-HRP		Decrease	USD	29%	29%	26%	26%
MIB	HRP		Decrease	USD	32%	29%	29%	26%
BTIC ON MICRO BITCOIN FUTURES MARKE (MIM)								
MIM	Non-HRP		Decrease	USD	29%	29%	26%	26%
MIM	HRP		Decrease	USD	32%	29%	29%	26%
BTIC ON MICRO ETHER FUTURES (EMB)								
EMB	Non-HRP		Decrease	USD	0%	0%	0%	0%
EMB	HRP		Decrease	USD	0%	0%	0%	0%
BTIC ON MICRO ETHER FUTURES MARKER (MEI)								
MEI	Non-HRP		Decrease	USD	0%	0%	0%	0%
MEI	HRP		Decrease	USD	0%	0%	0%	0%
BTIC USD-DENOMINATED IBOVESPA INDEX (IBB)								
IBB	Non-HRP		Decrease	USD	19,240	19,240	17,430	17,430
IBB	HRP		Decrease	USD	21,164	19,240	19,173	17,430
ETHER FUTURES (ETH)								
ETH	Non-HRP		Decrease	USD	32%	32%	29%	29%
ETH	HRP		Decrease	USD	35%	32%	32%	29%

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

MICRO BITCOIN FUTURES (MBT)

MBT	Non-HRP		Decrease	USD	1%	1%	1%	1%
MBT	HRP		Decrease	USD	1%	1%	1%	1%

MICRO ETHER FUTURES (MET)

MET	Non-HRP		Decrease	USD	0%	0%	0%	0%
MET	HRP		Decrease	USD	0%	0%	0%	0%

USD-DENOMINATED IBOVESPA INDEX (IBV)

IBV	Non-HRP		Decrease	USD	19,240	19,240	17,430	17,430
IBV	HRP		Decrease	USD	21,164	19,240	19,173	17,430

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
METALS - Outright Rates								
ALUMINIUM EURO PREM DUTY-PAID FUT (EDP)								
EDP	Non-HRP	Month(s) 02	Increase	USD	2,350	2,350	2,500	2,500
EDP	HRP	Month(s) 02	Increase	USD	2,585	2,350	2,750	2,500
EDP	Non-HRP	Month(s) 03-09	Increase	USD	2,300	2,300	2,400	2,400
EDP	HRP	Month(s) 03-09	Increase	USD	2,530	2,300	2,640	2,400
EDP	Non-HRP	Month(s) 10+	Increase	USD	2,300	2,300	2,400	2,400
EDP	HRP	Month(s) 10+	Increase	USD	2,530	2,300	2,640	2,400
ALUMINUM MW TRANS PREM PLATTS FUT (AUP)								
AUP	Non-HRP	Mth 1	Decrease	USD	2,000	2,000	1,600	1,600
AUP	HRP	Mth 1	Decrease	USD	2,200	2,000	1,760	1,600
COBALT METAL (FASTMARKETS) FUT (COB)								
COB	Non-HRP	Mth 1	Decrease	USD	2,100	2,100	1,700	1,700
COB	HRP	Mth 1	Decrease	USD	2,310	2,100	1,870	1,700
COMEX 100 GOLD FUTURES (GC)								
GC	Non-HRP	Mnth1	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth1	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth2	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth2	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth3	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth3	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth4	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth4	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth5	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth5	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth6	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth6	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth7	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth7	Decrease	USD	7,920	7,200	7,150	6,500
GC	Non-HRP	Mnth8+	Decrease	USD	7,200	7,200	6,500	6,500
GC	HRP	Mnth8+	Decrease	USD	7,920	7,200	7,150	6,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX 100 GOLD TRADE AT SETTLEMENT (GCT)

GCT	Non-HRP	Mnth1	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth1	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth2	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth2	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth3	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth3	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth4	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth4	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth5	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth5	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth6	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth6	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth7	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth7	Decrease	USD	7,920	7,200	7,150	6,500
GCT	Non-HRP	Mnth8+	Decrease	USD	7,200	7,200	6,500	6,500
GCT	HRP	Mnth8+	Decrease	USD	7,920	7,200	7,150	6,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX 5000 SILVER FUTURES (SI)

SI	Non-HRP	Mnth1	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth1	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth2	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth2	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth3	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth3	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth4	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth4	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth5	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth5	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth6	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth6	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth7	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth7	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth8	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth8	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth9	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth9	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth10	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth10	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth11	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth11	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth12	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth12	Decrease	USD	9,350	8,500	8,250	7,500
SI	Non-HRP	Mnth13+	Decrease	USD	8,500	8,500	7,500	7,500
SI	HRP	Mnth13+	Decrease	USD	9,350	8,500	8,250	7,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX 5000 SILVER TRADE AT SETTLE (SIT)

SIT	Non-HRP	Mnth1	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth1	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth2	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth2	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth3	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth3	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth4	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth4	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth5	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth5	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth6	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth6	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth7	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth7	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth8	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth8	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth9	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth9	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth10	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth10	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth11	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth11	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth12	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth12	Decrease	USD	9,350	8,500	8,250	7,500
SIT	Non-HRP	Mnth13+	Decrease	USD	8,500	8,500	7,500	7,500
SIT	HRP	Mnth13+	Decrease	USD	9,350	8,500	8,250	7,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

COMEX MINY SILVER FUTURES (QI)

QI	Non-HRP	Mnth1	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth1	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth2	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth2	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth3	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth3	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth4	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth4	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth5	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth5	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth6	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth6	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth7	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth7	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth8	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth8	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth9	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth9	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth10	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth10	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth11	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth11	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth12	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth12	Decrease	USD	4,675	4,250	4,125	3,750
QI	Non-HRP	Mnth13+	Decrease	USD	4,250	4,250	3,750	3,750
QI	HRP	Mnth13+	Decrease	USD	4,675	4,250	4,125	3,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

E-MINI GOLD FUTURES (QO)

QO	Non-HRP	Mnth1	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth1	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth2	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth2	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth3	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth3	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth4	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth4	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth5	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth5	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth6	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth6	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth7	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth7	Decrease	USD	3,960	3,600	3,575	3,250
QO	Non-HRP	Mnth8+	Decrease	USD	3,600	3,600	3,250	3,250
QO	HRP	Mnth8+	Decrease	USD	3,960	3,600	3,575	3,250

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

E-MINI SILVER FUTURES (6Q)

6Q	Non-HRP	Mnth1	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth1	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth2	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth2	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth3	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth3	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth4	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth4	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth5	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth5	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth6	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth6	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth7	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth7	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth8	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth8	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth9	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth9	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth10	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth10	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth11	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth11	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth12	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth12	Decrease	USD	1,870	1,700	1,650	1,500
6Q	Non-HRP	Mnth13+	Decrease	USD	1,700	1,700	1,500	1,500
6Q	HRP	Mnth13+	Decrease	USD	1,870	1,700	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								
GOLD LONDON TAM FIRST PM (GCD)								
GCD	Non-HRP	Mnth1	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth1	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth2	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth2	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth3	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth3	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth4	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth4	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth5	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth5	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth6	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth6	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth7	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth7	Decrease	USD	7,920	7,200	7,150	6,500
GCD	Non-HRP	Mnth8+	Decrease	USD	7,200	7,200	6,500	6,500
GCD	HRP	Mnth8+	Decrease	USD	7,920	7,200	7,150	6,500
IRON ORE 62% FE CFR CHINA FUTURES (TIO)								
TIO	Non-HRP	Mnth 1	Increase	USD	9,000	9,000	10,000	10,000
TIO	HRP	Mnth 1	Increase	USD	9,900	9,000	11,000	10,000
LITHIUM HYDROXIDE (FASTMARKETS) FUT (LTH)								
LTH	Non-HRP	Mth 1	Decrease	USD	6,000	6,000	5,000	5,000
LTH	HRP	Mth 1	Decrease	USD	6,600	6,000	5,500	5,000
LTH	Non-HRP	Mths 2-3	Decrease	USD	7,000	7,000	6,000	6,000
LTH	HRP	Mths 2-3	Decrease	USD	7,700	7,000	6,600	6,000
LTH	Non-HRP	Mths 4-6	Decrease	USD	7,000	7,000	6,000	6,000
LTH	HRP	Mths 4-6	Decrease	USD	7,700	7,000	6,600	6,000
LTH	Non-HRP	Mths 7+	Decrease	USD	7,000	7,000	6,000	6,000
LTH	HRP	Mths 7+	Decrease	USD	7,700	7,000	6,600	6,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICRO GOLD FUTURES (MGC)								
MGC	Non-HRP	Mnth1	Decrease	USD	720	720	650	650
MGC	HRP	Mnth1	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth2	Decrease	USD	720	720	650	650
MGC	HRP	Mnth2	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth3	Decrease	USD	720	720	650	650
MGC	HRP	Mnth3	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth4	Decrease	USD	720	720	650	650
MGC	HRP	Mnth4	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth5	Decrease	USD	720	720	650	650
MGC	HRP	Mnth5	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth6	Decrease	USD	720	720	650	650
MGC	HRP	Mnth6	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth7	Decrease	USD	720	720	650	650
MGC	HRP	Mnth7	Decrease	USD	792	720	715	650
MGC	Non-HRP	Mnth8+	Decrease	USD	720	720	650	650
MGC	HRP	Mnth8+	Decrease	USD	792	720	715	650
MICRO GOLD TAS (MGT)								
MGT	Non-HRP	Mnth1	Decrease	USD	720	720	650	650
MGT	HRP	Mnth1	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth2	Decrease	USD	720	720	650	650
MGT	HRP	Mnth2	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth3	Decrease	USD	720	720	650	650
MGT	HRP	Mnth3	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth4	Decrease	USD	720	720	650	650
MGT	HRP	Mnth4	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth5	Decrease	USD	720	720	650	650
MGT	HRP	Mnth5	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth6	Decrease	USD	720	720	650	650
MGT	HRP	Mnth6	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth7	Decrease	USD	720	720	650	650
MGT	HRP	Mnth7	Decrease	USD	792	720	715	650
MGT	Non-HRP	Mnth8+	Decrease	USD	720	720	650	650
MGT	HRP	Mnth8+	Decrease	USD	792	720	715	650

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

MICRO PALLADIUM FUTURES (PAM)

PAM	Non-HRP	Mnth 1	Decrease	USD	3,000	3,000	2,700	2,700
PAM	HRP	Mnth 1	Decrease	USD	3,300	3,000	2,970	2,700
PAM	Non-HRP	Mnth 2	Decrease	USD	2,950	2,950	2,650	2,650
PAM	HRP	Mnth 2	Decrease	USD	3,245	2,950	2,915	2,650
PAM	Non-HRP	Mnth 3	Decrease	USD	2,900	2,900	2,600	2,600
PAM	HRP	Mnth 3	Decrease	USD	3,190	2,900	2,860	2,600
PAM	Non-HRP	Mnth 4+	Decrease	USD	2,900	2,900	2,600	2,600
PAM	HRP	Mnth 4+	Decrease	USD	3,190	2,900	2,860	2,600

MICRO SILVER FUTURES (SIL)

SIL	Non-HRP	Mnth1	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth1	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth2	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth2	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth3	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth3	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth4	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth4	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth5	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth5	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth6	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth6	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth7	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth7	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth8	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth8	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth9	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth9	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth10	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth10	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth11	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth11	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth12	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth12	Decrease	USD	1,870	1,700	1,650	1,500
SIL	Non-HRP	Mnth13+	Decrease	USD	1,700	1,700	1,500	1,500
SIL	HRP	Mnth13+	Decrease	USD	1,870	1,700	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								
NORTH EURO HOT-ROLLED COIL STEEL (EHR)								
EHR	Non-HRP	Mths 1-4	Decrease	EUR	2,000	2,000	1,700	1,700
EHR	HRP	Mths 1-4	Decrease	EUR	2,200	2,000	1,870	1,700
EHR	Non-HRP	Mths 5+	Decrease	EUR	2,000	2,000	1,700	1,700
EHR	HRP	Mths 5+	Decrease	EUR	2,200	2,000	1,870	1,700
PALLADIUM FUTURES NYMEX (PA)								
PA	Non-HRP	Mnth 1	Decrease	USD	30,000	30,000	27,000	27,000
PA	HRP	Mnth 1	Decrease	USD	33,000	30,000	29,700	27,000
PA	Non-HRP	Mnth 2	Decrease	USD	29,500	29,500	26,500	26,500
PA	HRP	Mnth 2	Decrease	USD	32,450	29,500	29,150	26,500
PA	Non-HRP	Mnth 3	Decrease	USD	29,000	29,000	26,000	26,000
PA	HRP	Mnth 3	Decrease	USD	31,900	29,000	28,600	26,000
PA	Non-HRP	Mnth 4+	Decrease	USD	29,000	29,000	26,000	26,000
PA	HRP	Mnth 4+	Decrease	USD	31,900	29,000	28,600	26,000
PALLADIUM TAS (PAT)								
PAT	Non-HRP	Mnth 1	Decrease	USD	30,000	30,000	27,000	27,000
PAT	HRP	Mnth 1	Decrease	USD	33,000	30,000	29,700	27,000
PAT	Non-HRP	Mnth 2	Decrease	USD	29,500	29,500	26,500	26,500
PAT	HRP	Mnth 2	Decrease	USD	32,450	29,500	29,150	26,500
PAT	Non-HRP	Mnth 3	Decrease	USD	29,000	29,000	26,000	26,000
PAT	HRP	Mnth 3	Decrease	USD	31,900	29,000	28,600	26,000
PAT	Non-HRP	Mnth 4+	Decrease	USD	29,000	29,000	26,000	26,000
PAT	HRP	Mnth 4+	Decrease	USD	31,900	29,000	28,600	26,000
PLATINUM FUTURES NYMEX (PL)								
PL	Non-HRP	Mths 1	Decrease	USD	3,400	3,400	2,800	2,800
PL	HRP	Mths 1	Decrease	USD	3,740	3,400	3,080	2,800
PL	Non-HRP	Mths 2+	Decrease	USD	3,400	3,400	2,800	2,800
PL	HRP	Mths 2+	Decrease	USD	3,740	3,400	3,080	2,800
PLATINUM FUTURES TAS (PLT)								
PLT	Non-HRP	Mths 1	Decrease	USD	3,400	3,400	2,800	2,800
PLT	HRP	Mths 1	Decrease	USD	3,740	3,400	3,080	2,800
PLT	Non-HRP	Mths 2+	Decrease	USD	3,400	3,400	2,800	2,800
PLT	HRP	Mths 2+	Decrease	USD	3,740	3,400	3,080	2,800

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

U.S. MIDWEST DOMESTIC HOT-ROLLED CO (HR)

HR	Non-HRP	Mnths 2 - 7	Decrease	USD	2,200	2,200	1,800	1,800
HR	HRP	Mnths 2 - 7	Decrease	USD	2,420	2,200	1,980	1,800
HR	Non-HRP	Mnths 8+	Decrease	USD	2,100	2,100	1,800	1,800
HR	HRP	Mnths 8+	Decrease	USD	2,310	2,100	1,980	1,800
HR	Non-HRP	Mnth 1	Decrease	USD	1,400	1,400	1,200	1,200
HR	HRP	Mnth 1	Decrease	USD	1,540	1,400	1,320	1,200

PETROLEUM CRACKS AND SPREADS - Outright Rates

NY ULSD VS. NY HRBR ULSD FUT (7Y)

7Y	Non-HRP	Mnth 1	Increase	USD	5,250	5,250	6,500	6,500
7Y	HRP	Mnth 1	Increase	USD	5,775	5,250	7,150	6,500
7Y	Non-HRP	Mnths 3+	Increase	USD	1,900	1,900	2,100	2,100
7Y	HRP	Mnths 3+	Increase	USD	2,090	1,900	2,310	2,100

SINGAPORE FUEL OIL SPREAD FUT (SD)

SD	Non-HRP	Mnths 1	Increase	USD	6,000	6,000	7,000	7,000
SD	HRP	Mnths 1	Increase	USD	6,600	6,000	7,700	7,000
SD	Non-HRP	Mnth 2	Increase	USD	5,600	5,600	6,600	6,600
SD	HRP	Mnth 2	Increase	USD	6,160	5,600	7,260	6,600
SD	Non-HRP	Mnths 3-6	Increase	USD	4,200	4,200	5,200	5,200
SD	HRP	Mnths 3-6	Increase	USD	4,620	4,200	5,720	5,200
SD	Non-HRP	Mnths 7+	Increase	USD	2,700	2,700	3,400	3,400
SD	HRP	Mnths 7+	Increase	USD	2,970	2,700	3,740	3,400

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								
123 SYNTHET GULF COAST NO.6 FUE (123)								
123	Non-HRP	Mnths 2-6	Increase	USD	710	710	800	800
123	HRP	Mnths 2-6	Increase	USD	781	710	880	800
123	Non-HRP	Mnths 7-24	Increase	USD	630	630	720	720
123	HRP	Mnths 7-24	Increase	USD	693	630	792	720
EIA FLAT TAX US RETAIL GASOLINE FUT (JE)								
JE	Non-HRP	Mths 2-7	Increase	USD	12,000	12,000	14,000	14,000
JE	HRP	Mths 2-7	Increase	USD	13,200	12,000	15,400	14,000
EUROPE 3.5% FUEL OIL RDAM CALFUT (UV)								
UV	Non-HRP	Mths 1	Increase	USD	55,000	55,000	59,000	59,000
UV	HRP	Mths 1	Increase	USD	60,500	55,000	64,900	59,000
UV	Non-HRP	Mnths 2	Increase	USD	52,000	52,000	56,000	56,000
UV	HRP	Mnths 2	Increase	USD	57,200	52,000	61,600	56,000
UV	Non-HRP	Mnths 3-10	Increase	USD	47,000	47,000	53,000	53,000
UV	HRP	Mnths 3-10	Increase	USD	51,700	47,000	58,300	53,000
UV	Non-HRP	Mnths 11+	Increase	USD	37,000	37,000	44,000	44,000
UV	HRP	Mnths 11+	Increase	USD	40,700	37,000	48,400	44,000
GULF COAST HSFO (PLATTS) FUTURES (MF)								
MF	Non-HRP	Mnths 2-6	Increase	USD	7,100	7,100	8,000	8,000
MF	HRP	Mnths 2-6	Increase	USD	7,810	7,100	8,800	8,000
MF	Non-HRP	Mnths 7-24	Increase	USD	6,300	6,300	7,200	7,200
MF	HRP	Mnths 7-24	Increase	USD	6,930	6,300	7,920	7,200
MICRO EUROPEAN 3.5% FUEL OIL BARGES (MEF)								
MEF	Non-HRP	Mths 1	Increase	USD	550	550	590	590
MEF	HRP	Mths 1	Increase	USD	605	550	649	590
MEF	Non-HRP	Mnths 2	Increase	USD	520	520	560	560
MEF	HRP	Mnths 2	Increase	USD	572	520	616	560
MEF	Non-HRP	Mnths 3-10	Increase	USD	470	470	530	530
MEF	HRP	Mnths 3-10	Increase	USD	517	470	583	530
MEF	Non-HRP	Mnths 11+	Increase	USD	370	370	440	440
MEF	HRP	Mnths 11+	Increase	USD	407	370	484	440

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MICRO SINGAPORE FUEL OIL 380CST (PL (MAF))								
MAF	Non-HRP	Mnth 1	Increase	USD	510	510	560	560
MAF	HRP	Mnth 1	Increase	USD	561	510	616	560
MAF	Non-HRP	Mnths 2	Increase	USD	470	470	530	530
MAF	HRP	Mnths 2	Increase	USD	517	470	583	530
MAF	Non-HRP	Mnths 3-13	Increase	USD	430	430	490	490
MAF	HRP	Mnths 3-13	Increase	USD	473	430	539	490
MAF	Non-HRP	Mnths 14+	Increase	USD	410	410	470	470
MAF	HRP	Mnths 14+	Increase	USD	451	410	517	470
MINI EURO 3.5% FUEL OIL FOB RDM FUT (0D)								
0D	Non-HRP	Mths 1	Increase	USD	5,500	5,500	5,900	5,900
0D	HRP	Mths 1	Increase	USD	6,050	5,500	6,490	5,900
0D	Non-HRP	Mnths 2	Increase	USD	5,200	5,200	5,600	5,600
0D	HRP	Mnths 2	Increase	USD	5,720	5,200	6,160	5,600
0D	Non-HRP	Mnths 3-10	Increase	USD	4,700	4,700	5,300	5,300
0D	HRP	Mnths 3-10	Increase	USD	5,170	4,700	5,830	5,300
0D	Non-HRP	Mnths 11+	Increase	USD	3,700	3,700	4,400	4,400
0D	HRP	Mnths 11+	Increase	USD	4,070	3,700	4,840	4,400
MINI SINGAPORE 380CST FUEL OIL FUT (MTS)								
MTS	Non-HRP	Mnth 1	Increase	USD	5,100	5,100	5,600	5,600
MTS	HRP	Mnth 1	Increase	USD	5,610	5,100	6,160	5,600
MTS	Non-HRP	Mnths 2	Increase	USD	4,700	4,700	5,300	5,300
MTS	HRP	Mnths 2	Increase	USD	5,170	4,700	5,830	5,300
MTS	Non-HRP	Mnths 3-13	Increase	USD	4,300	4,300	4,900	4,900
MTS	HRP	Mnths 3-13	Increase	USD	4,730	4,300	5,390	4,900
MTS	Non-HRP	Mnths 14+	Increase	USD	4,100	4,100	4,700	4,700
MTS	HRP	Mnths 14+	Increase	USD	4,510	4,100	5,170	4,700
MINI SINGAPORE GASOIL PLATS FUTURES (MSG)								
MSG	Non-HRP	Mnths 2-6	Increase	USD	1,000	1,000	1,075	1,075
MSG	HRP	Mnths 2-6	Increase	USD	1,100	1,000	1,183	1,075

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

SINGAPORE 380CST FUEL OIL FUT (SE)

SE	Non-HRP	Mnth 1	Increase	USD	51,000	51,000	56,000	56,000
SE	HRP	Mnth 1	Increase	USD	56,100	51,000	61,600	56,000
SE	Non-HRP	Mnths 2	Increase	USD	47,000	47,000	53,000	53,000
SE	HRP	Mnths 2	Increase	USD	51,700	47,000	58,300	53,000
SE	Non-HRP	Mnths 3-13	Increase	USD	43,000	43,000	49,000	49,000
SE	HRP	Mnths 3-13	Increase	USD	47,300	43,000	53,900	49,000
SE	Non-HRP	Mnths 14+	Increase	USD	41,000	41,000	47,000	47,000
SE	HRP	Mnths 14+	Increase	USD	45,100	41,000	51,700	47,000

SINGAPORE GASOIL FUT (SG)

SG	Non-HRP	Mnths 2-6	Increase	USD	10,000	10,000	10,750	10,750
SG	HRP	Mnths 2-6	Increase	USD	11,000	10,000	11,825	10,750

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

SMF	Non-HRP	Mnths 2-6	Increase	USD	7,100	7,100	8,000	8,000
SMF	HRP	Mnths 2-6	Increase	USD	7,810	7,100	8,800	8,000
SMF	Non-HRP	Mnths 7-24	Increase	USD	6,300	6,300	7,200	7,200
SMF	HRP	Mnths 7-24	Increase	USD	6,930	6,300	7,920	7,200

SYNTHETIC SINGAPORE GASOIL FUT (SSG)

SSG	Non-HRP	Mnths 2-6	Increase	USD	10,000	10,000	10,750	10,750
SSG	HRP	Mnths 2-6	Increase	USD	11,000	10,000	11,825	10,750

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
CME Dry Whey Futures (DY) - Month 2 vs Months 13+ (CME DRY WHEY FUTURES)								
DY	Non-HRP		Increase	USD	1,060	1,060	1,300	1,300
DY	HRP		Increase	USD	1,166	1,060	1,430	1,300
CME Dry Whey Futures (DY) - Months 1 vs Months 13+ (CME DRY WHEY FUTURES)								
DY	Non-HRP		Increase	USD	650	650	800	800
DY	HRP		Increase	USD	715	650	880	800
CME Dry Whey Futures (DY) - Months 3-12 vs Months 13+ (CME DRY WHEY FUTURES)								
DY	Non-HRP		Increase	USD	1,650	1,650	1,800	1,800
DY	HRP		Increase	USD	1,815	1,650	1,980	1,800
Month 1 vs Months 2-5 (CASH CHEESE FUTURES)								
CSC	Non-HRP		Increase	USD	1,100	1,100	1,300	1,300
CSC	HRP		Increase	USD	1,210	1,100	1,430	1,300
Month 1 vs Months 6+ (CASH CHEESE FUTURES)								
CSC	Non-HRP		Increase	USD	1,200	1,200	1,400	1,400
CSC	HRP		Increase	USD	1,320	1,200	1,540	1,400
Month 1 vs Months 6+ (CLASS III MILK FUTURES)								
DA	Non-HRP		Increase	USD	1,050	1,050	1,250	1,250
DA	HRP		Increase	USD	1,155	1,050	1,375	1,250
Month 1 vs Months 6+ (MLK MID FUTURES)								
JQ	Non-HRP		Increase	USD	525	525	625	625
JQ	HRP		Increase	USD	578	525	688	625
Nonfat Dry Milk (NF) - Months 1 vs Months 5+ (NONFAT DRY MILK FUTURES)								
NF	Non-HRP		Increase	USD	1,700	1,700	2,000	2,000
NF	HRP		Increase	USD	1,870	1,700	2,200	2,000
Nonfat Dry Milk (NF) - Months 2 vs Months 3-4 (NONFAT DRY MILK FUTURES)								
NF	Non-HRP		Increase	USD	1,140	1,140	1,400	1,400
NF	HRP		Increase	USD	1,254	1,140	1,540	1,400
Nonfat Dry Milk (NF) - Months 2 vs Months 5+ (NONFAT DRY MILK FUTURES)								
NF	Non-HRP		Increase	USD	2,200	2,200	2,400	2,400
NF	HRP		Increase	USD	2,420	2,200	2,640	2,400
Nonfat Dry Milk (NF) - Months 5+ vs Months 5+ (NONFAT DRY MILK FUTURES)								
NF	Non-HRP		Increase	USD	2,200	2,200	2,400	2,400
NF	HRP		Increase	USD	2,420	2,200	2,640	2,400

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

CRUDE OIL SPREADS - Intra Spreads

Mnths 1 vs 2 (EDMONTON LIGHT SWEET NE2 MONTHLY)

LSW	Non-HRP	Increase	USD	1,000	1,000	1,250	1,250
LSW	HRP	Increase	USD	1,100	1,000	1,375	1,250

Mnths 1-2 vs 3+ (EDMONTON LIGHT SWEET NE2 MONTHLY)

LSW	Non-HRP	Increase	USD	1,200	1,200	1,400	1,400
LSW	HRP	Increase	USD	1,320	1,200	1,540	1,400

Relperiod 2 vs 3+ (EDMONTON LIGHT SWEET NE2 MONTHLY)

LSW	Non-HRP	Increase	USD	900	900	1,050	1,050
LSW	HRP	Increase	USD	990	900	1,155	1,050

Western Canadian Select Oil (Net Energy) Monthly Index Futures - All Months (HARDISTY W CANADIAN SELECT MONTHLY)

WCW	Non-HRP	Increase	USD	1,750	1,750	1,950	1,950
WCW	HRP	Increase	USD	1,925	1,750	2,145	1,950

FREIGHT - Intra Spreads

All Mnths (FREIGHT ROUTE TC14 (BALTIC) FUTURES)

FRC	Non-HRP	Increase	USD	6,000	6,000	7,500	7,500
FRC	HRP	Increase	USD	6,600	6,000	8,250	7,500

All Mnths (FREIGHT ROUTE TD3C FUTURES)

TL	Non-HRP	Decrease	USD	5,500	5,500	4,500	4,500
TL	HRP	Decrease	USD	6,050	5,500	4,950	4,500

All Mnths (TC2 ROTTERDAM TO USAC 37K MT)

TM	Non-HRP	Increase	USD	4,500	4,500	5,500	5,500
TM	HRP	Increase	USD	4,950	4,500	6,050	5,500

All Mnths (TC5 RAS TANURA TO YOKOHAMA 55K MT)

TH	Non-HRP	Increase	USD	6,000	6,000	7,500	7,500
TH	HRP	Increase	USD	6,600	6,000	8,250	7,500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
METALS - Intra Spreads								
Months 01 vs. Months 02-03 (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	2,700	2,700	4,000	4,000
COB	HRP		Increase	USD	2,970	2,700	4,400	4,000
Months 01 vs. Months 04-06 (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	2,700	2,700	4,000	4,000
COB	HRP		Increase	USD	2,970	2,700	4,400	4,000
Months 01 vs. Months 07+ (COBALT METAL (FASTMARKETS) FUT)								
COB	Non-HRP		Increase	USD	2,700	2,700	4,000	4,000
COB	HRP		Increase	USD	2,970	2,700	4,400	4,000
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
European Jet CIF NWE v. Gasoil Futures Swap - 1-3 vs 4+ (JET CIF NWE VS ICE)								
JC	Non-HRP		Increase	USD	13,000	13,000	16,000	16,000
JC	HRP		Increase	USD	14,300	13,000	17,600	16,000
European Jet CIF NWE v. Gasoil Futures Swap - 1-3 vs 4+ (MIN JETKERO CRGOS CIF NWE VS GASOIL)								
MJC	Non-HRP		Increase	USD	1,300	1,300	1,600	1,600
MJC	HRP		Increase	USD	1,430	1,300	1,760	1,600
European Jet CIF NWE v. Gasoil Futures Swap - 4+ vs 4+ (JET CIF NWE VS ICE)								
JC	Non-HRP		Increase	USD	7,000	7,000	8,250	8,250
JC	HRP		Increase	USD	7,700	7,000	9,075	8,250
European Jet CIF NWE v. Gasoil Futures Swap - 4+ vs 4+ (MIN JETKERO CRGOS CIF NWE VS GASOIL)								
MJC	Non-HRP		Increase	USD	700	700	825	825
MJC	HRP		Increase	USD	770	700	908	825
New York Jet Fuel (Argus) vs. Heating Oil Spread Swap Futures - (5U) - Mnth 2+ vs 2+ (NY ULSD VS. NY HRBR ULSD FUT)								
7Y	Non-HRP		Increase	USD	1,650	1,650	2,100	2,100
7Y	HRP		Increase	USD	1,815	1,650	2,310	2,100
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tier 1v2 (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	1,800	1,800	2,200	2,200
GA	HRP		Increase	USD	1,980	1,800	2,420	2,200
SINGAPORE GASOIL (PLATTS) VS. ICE GASOIL SWAP FUTURES - Tier 1v3 (SINGAPORE GASOIL VS ICE)								
GA	Non-HRP		Increase	USD	1,750	1,750	2,250	2,250
GA	HRP		Increase	USD	1,925	1,750	2,475	2,250

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								
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 11+ (EUROPE 3.5% FUEL OIL RDAM CALFUT)								
UV	Non-HRP		Increase	USD	2,000	2,000	3,400	3,400
UV	HRP		Increase	USD	2,200	2,000	3,740	3,400
European 3.5% Fuel Oil Rotterdam Calendar Swap - Mnths 7-10 vs 11+ (MICRO EUROPEAN 3.5% FUEL OIL BARGES)								
MEF	Non-HRP		Increase	USD	20	20	34	34
MEF	HRP		Increase	USD	22	20	37	34
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		Increase	USD	200	200	340	340
0D	HRP		Increase	USD	220	200	374	340
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Months 3+ vs Months 3+ (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Non-HRP		Increase	USD	24,000	24,000	26,500	26,500
7H	HRP		Increase	USD	26,400	24,000	29,150	26,500
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Months 3+ vs Months 3+ (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Non-HRP		Increase	USD	24,000	24,000	26,500	26,500
MEO	HRP		Increase	USD	26,400	24,000	29,150	26,500
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Months 3+ vs Months 3+ (SYNTH 116 GAS EURO-BOB OXY (ARG))								
116	Non-HRP		Increase	USD	2,400	2,400	2,650	2,650
116	HRP		Increase	USD	2,640	2,400	2,915	2,650
Mnths 7+ vs 7+ (GULF COAST ULSD CALENDAR FUT)								
LY	Non-HRP		Increase	USD	2,800	2,800	3,200	3,200
LY	HRP		Increase	USD	3,080	2,800	3,520	3,200
Mnths 7+ vs 7+ (SYNT GULF COAST ULSD CALENDAR FU)								
SLY	Non-HRP		Increase	USD	2,800	2,800	3,200	3,200
SLY	HRP		Increase	USD	3,080	2,800	3,520	3,200
Mnths 7+ vs 7+ (SYNTH 111 GULF COAST ULSD CAL FUTUR)								
111	Non-HRP		Increase	USD	280	280	320	320
111	HRP		Increase	USD	308	280	352	320

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						
OTC S&P GSCI Excess Return Swap (SES) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-3:+1			45%	45%
OTC S&P GSCI Excess Return Swap (SES) vs Corn Futures (C)						
Spread Credit Rate	New	-1:+1			50%	50%
OTC S&P GSCI Excess Return Swap (SES) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-5:+1			45%	45%
OTC S&P GSCI Excess Return Swap (SES) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-3:+1			45%	45%
OTC S&P GSCI Excess Return Swap (SES) vs New York Harbor Heating Oil (NY-HO)						
Spread Credit Rate	New	-5:+1			25%	25%
OTC S&P GSCI Excess Return Swap (SES) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-5:+1			65%	65%
OTC S&P GSCI Excess Return Swap (SES) vs Soybean Futures (S)						
Spread Credit Rate	New	-2:+1			45%	45%
S&P GSCI (GI) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-1:+2			45%	45%
S&P GSCI (GI) vs Corn Futures (C)						
Spread Credit Rate	New	-1:+5			50%	50%
S&P GSCI (GI) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-1:+1			45%	45%
S&P GSCI (GI) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-1:+2			45%	45%
S&P GSCI (GI) vs New York Harbor Heating Oil Futures (NY-HO)						
Spread Credit Rate	New	-1:+1			25%	25%
S&P GSCI (GI) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-1:+1			65%	65%
S&P GSCI (GI) vs Soybean Futures (S)						
Spread Credit Rate	New	-1:+2			45%	45%
S&P GSCI Excess Return Futures (GA) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-3:+1			45%	45%
S&P GSCI Excess Return Futures (GA) vs Corn Futures (C)						
Spread Credit Rate	New	-1:+1			50%	50%
S&P GSCI Excess Return Futures (GA) vs Gold Futures (CX-GC)						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	New	-5:+1			45%	45%
S&P GSCI Excess Return Futures (GA) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-3:+1			45%	45%
S&P GSCI Excess Return Futures (GA) vs New York Harbor Heating Oil (NY-HO)						
Spread Credit Rate	New	-5:+1			25%	25%
S&P GSCI Excess Return Futures (GA) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-5:+1			65%	65%
S&P GSCI Excess Return Futures (GA) vs Soybean Futures (S)						
Spread Credit Rate	New	-2:+1			45%	45%

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						
(NY-R5F - CME) vs (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
Spread Credit Rate	Decrease	+3:-19	79%	79%	72%	72%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+9:-1	78%	78%	75%	75%
Spread Credit Rate	Decrease	+9:-1	77%	77%	71%	71%
Spread Credit Rate	Decrease	+9:-1	79%	79%	77%	77%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
BZ Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
BZ Mnth 2+ vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	58%	58%	51%	51%
BZ Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	85%	85%	83%	83%
CL Mnths 2+ vs JCC Mnths 2-4						
Spread Credit Rate	Decrease	+1:-1	58%	58%	52%	52%
CL Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
EUROPE DATED BRENT SWAP (NY-UB) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	57%	57%	45%	45%
Spread Credit Rate	Decrease	+3:-19	78%	78%	72%	72%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	55%	55%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Decrease	+12:-1	64%	64%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
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:-1	55%	55%	45%	45%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	72%	72%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs JAPAN C&F NAPHTHA (Platts) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+9:-1	80%	80%	77%	77%
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	Decrease	+1:-1	60%	60%	45%	45%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%

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 FUTURES (NYM-CL, CS, WS) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	63%	63%	52%	52%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	45%	45%
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	Decrease	+1:-1	80%	80%	75%	75%
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	Decrease	+1:-1	60%	60%	55%	55%
OTC S&P GSCI Excess Return Swap (SES) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-3:+1			45%	45%
OTC S&P GSCI Excess Return Swap (SES) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-3:+1			45%	45%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	75%	75%	70%	70%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
RB Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
RB Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
RB Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	72%	72%	65%	65%
S&P GSCI (GI) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-1:+2			45%	45%
S&P GSCI (GI) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-1:+2			45%	45%
S&P GSCI Excess Return Futures (GA) vs Brent Crude Oil Last Day Financial Futures (NY-BZ)						
Spread Credit Rate	New	-3:+1			45%	45%
S&P GSCI Excess Return Futures (GA) vs Light Sweet Crude Oil Futures (NY-CL)						
Spread Credit Rate	New	-3:+1			45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	62%	62%	50%	50%
Spread Credit Rate	Decrease	+3:-19	72%	72%	65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	62%	62%	50%	50%
Spread Credit Rate	Decrease	+3:-19	72%	72%	66%	66%
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	Decrease	+1:-12	65%	65%	50%	50%
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
INTEREST RATES - Inter-commodity Spread Rates						
1M SOFR FUTURES (SR1 - CME) Month 1 vs 3M SOFR FUTURES (SR3 - CME) Months 1-3						
Spread Credit Rate	Decrease	+3:-5	80%	80%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month 2 vs 3M SOFR FUTURES (SR3 - CME) Month 3						
Spread Credit Rate	Decrease	+3:-5	55%	55%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month 3 vs 3M SOFR FUTURES (SR3 - CME) Month 3						
Spread Credit Rate	Decrease	+3:-5	55%	55%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month 4 vs 3M SOFR FUTURES (SR3 - CME) Month 1						
Spread Credit Rate	Increase	+3:-5	80%	80%	85%	85%
1M SOFR FUTURES (SR1 - CME) Month 4 vs 3M SOFR FUTURES (SR3 - CME) Month 2						
Spread Credit Rate	Decrease	+3:-5	80%	80%	75%	75%
1M SOFR FUTURES (SR1 - CME) Month 4 vs 3M SOFR FUTURES (SR3 - CME) Month 3						
Spread Credit Rate	Decrease	+3:-5	65%	65%	60%	60%
1M SOFR FUTURES (SR1 - CME) Month 5 vs 3M SOFR FUTURES (SR3 - CME) Month 1						
Spread Credit Rate	Increase	+3:-5	50%	50%	75%	75%
1M SOFR FUTURES (SR1 - CME) Month 5 vs 3M SOFR FUTURES (SR3 - CME) Month 3						
Spread Credit Rate	Decrease	+3:-5	75%	75%	70%	70%
1M SOFR FUTURES (SR1 - CME) Month 5 vs 3M SOFR FUTURES (SR3 - CME) Months 4-5						
Spread Credit Rate	Decrease	+3:-5	55%	55%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month 5 vs 3M SOFR FUTURES (SR3 - CME) Months 6-8						
Spread Credit Rate	Decrease	+3:-5	55%	55%	50%	50%
1M SOFR FUTURES (SR1 - CME) Month1 vs 3M SOFR FUTURES (SR3 - CME) Month 2						
Spread Credit Rate	Decrease	+3:-5	60%	60%	40%	40%
2 Year Treasury Note (26) vs. Fed Funds (CBOT) (41) Tier 1 (Month 1)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
3M SOFR FUTURES (SR3 - CME) Month 1 vs FED FUNDS (41 - CME) Months 2-5						
Spread Credit Rate	Increase	+5:-3	60%	60%	80%	80%
3M SOFR FUTURES (SR3 - CME) Month 2 vs FED FUNDS (41 - CME) Months 13+						
Spread Credit Rate	Increase	+5:-3	50%	50%	60%	60%
3M SOFR FUTURES (SR3 - CME) Month 2 vs FED FUNDS (41 - CME) Months 2-5						
Spread Credit Rate	Increase	+5:-3	60%	60%	65%	65%
3M SOFR FUTURES (SR3 - CME) Month 2 vs FED FUNDS (41 - CME) Months 6-8						
Spread Credit Rate	Increase	+5:-3	75%	75%	80%	80%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
3M SOFR FUTURES (SR3 - CME) Month 2 vs FED FUNDS (41 - CME) Months 9-12						
Spread Credit Rate	Increase	+5:-3	65%	65%	80%	80%
3M SOFR FUTURES (SR3 - CME) Month 3 vs FED FUNDS (41 - CME) Month 1						
Spread Credit Rate	Decrease	+5:-3	45%	45%	35%	35%
3M SOFR FUTURES (SR3 - CME) Month 3 vs FED FUNDS (41 - CME) Months 13+						
Spread Credit Rate	Increase	+5:-3	55%	55%	65%	65%
3M SOFR FUTURES (SR3 - CME) Months 1 vs FED FUNDS (41 - CME) Months 6-8						
Spread Credit Rate	Increase	+5:-3	35%	35%	60%	60%
3M SOFR FUTURES (SR3 - CME) Months 1 vs FED FUNDS (41 - CME) Months 9-12						
Spread Credit Rate	Increase	+5:-3	35%	35%	50%	50%
3M SOFR FUTURES (SR3 - CME) Months 4-5 vs FED FUNDS (41 - CME) Month 1						
Spread Credit Rate	Decrease	+5:-3	45%	45%	35%	35%
3M SOFR FUTURES (SR3 - CME) Months 4-5 vs FED FUNDS (41 - CME) Months 6-8						
Spread Credit Rate	Decrease	+5:-3	70%	70%	65%	65%
3M SOFR FUTURES (SR3 - CME) Months 6-8 vs FED FUNDS (41 - CME) Month 1						
Spread Credit Rate	New	+5:-3			25%	25%
3M SOFR FUTURES (SR3 - CME) Months 6-8 vs FED FUNDS (41 - CME) Months 13+						
Spread Credit Rate	Decrease	+5:-3	70%	70%	60%	60%
3M SOFR FUTURES (SR3 - CME) Months 6-8 vs FED FUNDS (41 - CME) Months 6-8						
Spread Credit Rate	Decrease	+5:-3	70%	70%	60%	60%
3M SOFR FUTURES (SR3 - CME) Months 6-8 vs FED FUNDS (41 - CME) Months 9-12						
Spread Credit Rate	Decrease	+5:-3	70%	70%	65%	65%
3M SOFR FUTURES (SR3 - CME) Months 9-12 vs FED FUNDS (41 - CME) Months 13+						
Spread Credit Rate	New	+5:-3			65%	65%
3M SOFR FUTURES (SR3 - CME) Months 9-12 vs FED FUNDS (41 - CME) Months 2-5						
Spread Credit Rate	Increase	+5:-3	35%	35%	50%	50%
3M SOFR FUTURES (SR3 - CME) Months 9-12 vs FED FUNDS (41 - CME) Months 6-8						
Spread Credit Rate	Increase	+5:-3	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						
METALS - Inter-commodity Spread Rates						
OTC S&P GSCI Excess Return Swap (SES) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-5:+1			45%	45%
S&P GSCI (GI) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-1:+1			45%	45%
S&P GSCI Excess Return Futures (GA) vs Gold Futures (CX-GC)						
Spread Credit Rate	New	-5:+1			45%	45%

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 BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-12	65%	65%	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	Decrease	+1:-1	60%	60%	55%	55%
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	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	40%	40%
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	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-12	65%	65%	50%	50%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	42%	42%	30%	30%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
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	Decrease	+1:-12	60%	60%	45%	45%

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 GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	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	Decrease	+1:-12	55%	55%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-12	52%	52%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	57%	57%	45%	45%
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	Decrease	+25:-3	55%	55%	40%	40%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
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	Decrease	+19:-3	55%	55%	40%	40%
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	Decrease	+1:-1	50%	50%	40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%

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) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
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	Decrease	+1:-1	72%	72%	60%	60%
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	Decrease	+1:-1	55%	55%	45%	45%
EUROPE DATED BRENT SWAP (NY-UB) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	50%	50%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-12	60%	60%	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	Decrease	+1:-12	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	Decrease	+1:-12	60%	60%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-12	47%	47%	40%	40%
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	Decrease	+1:-12	55%	55%	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. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+3:-25	48%	48%	40%	40%
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	Decrease	+3:-25	65%	65%	50%	50%
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	Decrease	+3:-25	55%	55%	40%	40%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	Decrease	+12:-1	64%	64%	50%	50%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
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:-1	55%	55%	45%	45%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	60%	60%	50%	50%
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	Decrease	+1:-1	60%	60%	45%	45%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
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	Decrease	+19:-3	60%	60%	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	Decrease	+25:-3	52%	52%	45%	45%

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. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
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	Decrease	+1:-1	60%	60%	50%	50%
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	Decrease	+19:-3	50%	50%	45%	45%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	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	Decrease	+1:-1	50%	50%	35%	35%
MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
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	Decrease	+1:-1	55%	55%	35%	35%
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	Decrease	+19:-3	60%	60%	50%	50%
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	Decrease	+1:-1	70%	70%	55%	55%
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	Decrease	+1:-1	80%	80%	75%	75%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
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	Decrease	+19:-3	65%	65%	50%	50%

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 GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
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	Decrease	+1:-1	60%	60%	55%	55%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Decrease	+15:-2	45%	45%	30%	30%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	48%	48%	40%	40%
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	Decrease	+1:-1	60%	60%	45%	45%
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	Decrease	+12:-1	50%	50%	40%	40%
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	Decrease	+1:-1	45%	45%	30%	30%
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	Decrease	+12:-1	50%	50%	40%	40%
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	Decrease	+1:-1	40%	40%	35%	35%
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	Decrease	+1:-1	72%	72%	60%	60%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
OMAN CRUDE OIL (NY-OQ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	55%	55%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	20%	20%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	40%	40%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	45%	45%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+3:-25	35%	35%	25%	25%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
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	Decrease	+19:-3	55%	55%	40%	40%
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	Decrease	+25:-3	50%	50%	35%	35%
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	Decrease	+1:-1	50%	50%	35%	35%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
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	Decrease	+1:-1	55%	55%	40%	40%
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	Decrease	+19:-3	55%	55%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%

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	Decrease	+12:-1	55%	55%	40%	40%
RBOB GASOLINE FUTURES (NY-RB - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+3:-19	50%	50%	45%	45%
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	Decrease	+3:-19	44%	44%	35%	35%
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	Decrease	+3:-19	55%	55%	45%	45%
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	Decrease	+3:-19	60%	60%	50%	50%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%

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						
(NY-R5F - CME) vs (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%
Spread Credit Rate	Decrease	+3:-19	79%	79%	72%	72%
(NY-R5F - CME) vs (NY-HO - CME)						
Spread Credit Rate	Decrease	+3:-19	46%	46%	35%	35%
Spread Credit Rate	Decrease	+3:-19	74%	74%	66%	66%
(NY-R5F - CME) vs (NY-LY - CME)						
Spread Credit Rate	Decrease	+3:-19	72%	72%	65%	65%
(NY-R5F - CME) vs (NY-UV - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	55%	55%
Spread Credit Rate	Decrease	+1:-1	77%	77%	73%	73%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-12	65%	65%	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	Decrease	+1:-1	60%	60%	55%	55%
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	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	40%	40%
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	Decrease	+1:-12	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-12	50%	50%	40%	40%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	45%	45%
ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	42%	42%	30%	30%
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	Decrease	+1:-12	60%	60%	45%	45%

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 GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	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	Decrease	+1:-12	55%	55%	45%	45%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-12	52%	52%	40%	40%
ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-12	45%	45%	35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME)						
Spread Credit Rate	Decrease	+9:-1	78%	78%	75%	75%
Spread Credit Rate	Decrease	+9:-1	77%	77%	71%	71%
Spread Credit Rate	Decrease	+9:-1	79%	79%	77%	77%
CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	57%	57%	45%	45%
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	Decrease	+25:-3	55%	55%	40%	40%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
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	Decrease	+19:-3	55%	55%	40%	40%
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	Decrease	+1:-1	50%	50%	40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	70%	70%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
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	Decrease	+1:-1	72%	72%	60%	60%
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	Decrease	+1:-1	55%	55%	45%	45%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	57%	57%	45%	45%
Spread Credit Rate	Decrease	+3:-19	78%	78%	72%	72%
EUROPEAN FOB RDAM MARINE FUEL 0.5% BARGES (PLATTS) FUTURES (NY-R5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
Spread Credit Rate	Decrease	+1:-1	72%	72%	60%	60%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME)						
Spread Credit Rate	Decrease	+1:-1	90%	90%	88%	88%
Spread Credit Rate	Decrease	+1:-1	92%	92%	90%	90%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Decrease	+1:-12	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	Decrease	+1:-12	60%	60%	45%	45%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-12	47%	47%	40%	40%
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	Decrease	+1:-12	55%	55%	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. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+3:-25	48%	48%	40%	40%
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	Decrease	+3:-25	65%	65%	50%	50%
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	Decrease	+3:-25	55%	55%	40%	40%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+3:-25	75%	75%	70%	70%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	72%	72%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs JAPAN C&F NAPHTHA (Platts) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+9:-1	80%	80%	77%	77%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs SINGAPORE GASOIL SWAP (NYM-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	63%	63%	52%	52%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
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	Decrease	+19:-3	60%	60%	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	Decrease	+25:-3	52%	52%	45%	45%
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	Decrease	+1:-1	55%	55%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
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	Decrease	+1:-1	60%	60%	50%	50%

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. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Decrease	+19:-3	50%	50%	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	Decrease	+1:-1	50%	50%	35%	35%
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	Decrease	+1:-1	55%	55%	35%	35%
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	Decrease	+19:-3	60%	60%	50%	50%
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	Decrease	+1:-1	70%	70%	55%	55%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
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	Decrease	+19:-3	65%	65%	50%	50%
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	Decrease	+1:-1	60%	60%	50%	50%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Decrease	+15:-2	45%	45%	30%	30%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
MT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	48%	48%	40%	40%
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	Decrease	+1:-1	60%	60%	45%	45%
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	Decrease	+12:-1	50%	50%	40%	40%

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 PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
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	Decrease	+12:-1	50%	50%	40%	40%
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	Decrease	+1:-1	40%	40%	35%	35%
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	Decrease	+1:-1	72%	72%	60%	60%
NY HARBOR RESIDUAL FUEL 1.0% S (NY-MM) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
OTC S&P GSCI Excess Return Swap (SES) vs New York Harbor Heating Oil (NY-HO)						
Spread Credit Rate	New	-5:+1			25%	25%
OTC S&P GSCI Excess Return Swap (SES) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-5:+1			65%	65%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	20%	20%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	75%	75%	70%	70%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	40%	40%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	45%	45%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+3:-25	35%	35%	25%	25%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
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	Decrease	+19:-3	55%	55%	40%	40%

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 GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	50%	50%	35%	35%
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	Decrease	+1:-1	50%	50%	35%	35%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
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	Decrease	+1:-1	55%	55%	40%	40%
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	Decrease	+19:-3	55%	55%	40%	40%
PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
RB Mnth 1 vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	70%	70%	60%	60%
RB Mnths 2+ vs JCC Mnth 2-4						
Spread Credit Rate	Decrease	+1:-1	45%	45%	35%	35%
RB Mnths 2+ vs JCC Mnths 5+						
Spread Credit Rate	Decrease	+1:-1	72%	72%	65%	65%
RBOB GASOLINE FUTURES (NY-RB - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Decrease	+12:-1	55%	55%	40%	40%
RBOB GASOLINE FUTURES (NY-RB - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+19:-3	35%	35%	25%	25%
Spread Credit Rate	Decrease	+19:-3	40%	40%	30%	30%
RBOB GASOLINE FUTURES (NY-RB - CME) vs MONT BELVIEU LDH ISO-BUTANE (OPIS) SWAP FUTURES (NY-MBL - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%

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, RL, RT) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	40%	40%
S&P GSCI (GI) vs New York Harbor Heating Oil Futures (NY-HO)						
Spread Credit Rate	New	-1:+1			25%	25%
S&P GSCI (GI) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-1:+1			65%	65%
S&P GSCI Excess Return Futures (GA) vs New York Harbor Heating Oil (NY-HO)						
Spread Credit Rate	New	-5:+1			25%	25%
S&P GSCI Excess Return Futures (GA) vs RBOB Gasoline Futures (NY-RB)						
Spread Credit Rate	New	-5:+1			65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+3:-19	62%	62%	50%	50%
Spread Credit Rate	Decrease	+3:-19	72%	72%	65%	65%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+1:-1	64%	64%	50%	50%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-19	62%	62%	50%	50%
Spread Credit Rate	Decrease	+3:-19	72%	72%	66%	66%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+3:-19	46%	46%	35%	35%
SINGAPORE FOB MARINE FUEL 0.5% (PLATTS) FUTURES (NY-S5F - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+1:-1	63%	63%	50%	50%
SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+3:-19	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						
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	Decrease	+3:-19	44%	44%	35%	35%
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	Decrease	+3:-19	55%	55%	45%	45%
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	Decrease	+3:-19	60%	60%	50%	50%
SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	45%	45%