



13-215

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

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Friday, May 10, 2013

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

Tuesday, May 14, 2013.

Current rates as of:

Friday, May 10, 2013.

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
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Outright Rates

COAL - Outright Rates

CAPP COAL FUT STRP SYNTH (8Y)

8Y	Spec		Decrease	USD	59,400	54,000	38,500	35,000
8Y	Hedge/Member		Decrease	USD	54,000	54,000	35,000	35,000

CAPP COAL QUART STRP SYNT (61)

61	Spec		Decrease	USD	14,850	13,500	8,250	7,500
61	Hedge/Member		Decrease	USD	13,500	13,500	7,500	7,500

COAL API2 ARGUS/MCCLOS CALENDAR SYN (CLP)

CLP	Spec		Decrease	USD	79,200	72,000	49,500	45,000
CLP	Hedge/Member		Decrease	USD	72,000	72,000	45,000	45,000

COAL API2 ARGUS/MCCLOS OPT QRT SYNT (CQS)

CQS	Spec		Decrease	USD	16,500	15,000	11,000	10,000
CQS	Hedge/Member		Decrease	USD	15,000	15,000	10,000	10,000

COAL API4 R BAY ARGUS/MCK CAL SYNT (RLS)

RLS	Spec		Decrease	USD	85,800	78,000	55,000	50,000
RLS	Hedge/Member		Decrease	USD	78,000	78,000	50,000	50,000

COAL API4 R BAY ARGUS/MCK QRT SYNT (RQS)

RQS	Spec		Decrease	USD	21,450	19,500	13,200	12,000
RQS	Hedge/Member		Decrease	USD	19,500	19,500	12,000	12,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
3.5% F OIL(PLTS) BRGES FOB RDM CRCK (BOB)								
BOB	Spec	Mnths 6+	Increase	USD	4,890	4,445	6,287	5,715
BOB	Hedge/Member	Mnths 6+	Increase	USD	4,445	4,445	5,715	5,715
FUEL OIL CRACK VS. ICE (FO)								
FO	Spec	Mnths 6+	Increase	USD	770	700	990	900
FO	Hedge/Member	Mnths 6+	Increase	USD	700	700	900	900
GASOIL CRACK SPREAD CALENDAR FUT (GZ)								
GZ	Spec	Mnths 2-6	Increase	USD	2,475	2,250	2,695	2,450
GZ	Hedge/Member	Mnths 2-6	Increase	USD	2,250	2,250	2,450	2,450
GZ	Spec	Mnths 7+	Increase	USD	2,090	1,900	2,585	2,350
GZ	Hedge/Member	Mnths 7+	Increase	USD	1,900	1,900	2,350	2,350
GASOIL(ICE) CRACK SPREAD 1000MT FUT (GOC)								
GOC	Spec	Mnths 2-6	Increase	USD	18,439	16,763	20,078	18,253
GOC	Hedge/Member	Mnths 2-6	Increase	USD	16,763	16,763	18,253	18,253
GOC	Spec	Mnths 7+	Increase	USD	15,571	14,155	19,258	17,508
GOC	Hedge/Member	Mnths 7+	Increase	USD	14,155	14,155	17,508	17,508
GRP THREE UNL GS (PLT) VS RBOB (A8)								
A8	Spec	Mnths 2-4	Increase	USD	2,200	2,000	2,750	2,500
A8	Hedge/Member	Mnths 2-4	Increase	USD	2,000	2,000	2,500	2,500
REFINED PRODUCTS - Outright Rates								
MOGAS92 UNLEADED (PLATTS) FUT (1N)								
1N	Spec	Mnth 1	Decrease	USD	7,700	7,000	6,050	5,500
1N	Hedge/Member	Mnth 1	Decrease	USD	7,000	7,000	5,500	5,500

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Intra Spreads								
CRUDE OIL - Intra Spreads								
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2013, Dec 2014, Dec 2015 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	660	600	550	500
CL	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2013, Dec 2014, Dec 2015 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	660	600	550	500
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CLS	Spec		Decrease	USD	660	600	550	500
CLS	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2013, Dec 2014, Dec 2015 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	660	600	550	500
CLT	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2013, Dec 2014, Dec 2015 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	660	600	550	500
XCT	Hedge/Member		Decrease	USD	600	600	500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2014, Dec 2015, Dec 2016 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Increase	USD	440	400	550	500
CL	Hedge/Member		Increase	USD	400	400	500	500
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Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2017, Dec 2018, Dec 2019 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			550	500
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CLL	Spec		New	USD			550	500
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CLS	Spec		New	USD			550	500
CLS	Hedge/Member		New	USD			500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2017, Dec 2018, Dec 2019 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		New	USD			550	500
CLT	Hedge/Member		New	USD			500	500
Light Sweet Crude Oil (CL) - Annual Butterfly Dec 2017, Dec 2018, Dec 2019 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		New	USD			550	500
XCT	Hedge/Member		New	USD			500	500
Light Sweet Crude Oil (CL) - Quarterly Butterfly Dec 2013, Mar 2014, Jun 2014 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			110	100
CL	Hedge/Member		New	USD			100	100
Light Sweet Crude Oil (CL) - Quarterly Butterfly Dec 2013, Mar 2014, Jun 2014 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		New	USD			110	100
CLL	Hedge/Member		New	USD			100	100
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XCT	Spec		New	USD			110	100
XCT	Hedge/Member		New	USD			100	100
Light Sweet Crude Oil (CL) - Quarterly Butterfly Jun 2013, Sep 2013, Dec 2013 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	220	200	110	100
CL	Hedge/Member		Decrease	USD	200	200	100	100
Light Sweet Crude Oil (CL) - Quarterly Butterfly Jun 2013, Sep 2013, Dec 2013 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	220	200	110	100
CLL	Hedge/Member		Decrease	USD	200	200	100	100
Light Sweet Crude Oil (CL) - Quarterly Butterfly Jun 2013, Sep 2013, Dec 2013 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
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CL	Spec		New	USD			110	100
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Intra Spreads								
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Light Sweet Crude Oil (CL) - Quarterly Butterfly Jun 2014, Sep 2014, Dec 2014 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
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CLT	Spec		New	USD			110	100
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Light Sweet Crude Oil (CL) - Quarterly Butterfly Jun 2014, Sep 2014, Dec 2014 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		New	USD			110	100
XCT	Hedge/Member		New	USD			100	100
Light Sweet Crude Oil (CL) - Quarterly Butterfly Mar 2014, Jun 2014, Sep 2014 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			110	100
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2013, Jun 2014, Dec 2014 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	385	350	275	250
CL	Hedge/Member		Decrease	USD	350	350	250	250
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CLS	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2015, Jun 2016, Dec 2016 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	385	350	275	250
CLT	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2015, Jun 2016, Dec 2016 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	385	350	275	250
XCT	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2016, Jun 2017, Dec 2017 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	385	350	275	250
CL	Hedge/Member		Decrease	USD	350	350	250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2016, Jun 2017, Dec 2017 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	385	350	275	250
CLL	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2016, Jun 2017, Dec 2017 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	385	350	275	250
CLS	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2016, Jun 2017, Dec 2017 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		Decrease	USD	385	350	275	250
CLT	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2016, Jun 2017, Dec 2017 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	385	350	275	250
XCT	Hedge/Member		Decrease	USD	350	350	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2017, Jun 2018, Dec 2018 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	440	400	275	250
CL	Hedge/Member		Decrease	USD	400	400	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2017, Jun 2018, Dec 2018 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		Decrease	USD	440	400	275	250
CLL	Hedge/Member		Decrease	USD	400	400	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2017, Jun 2018, Dec 2018 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		Decrease	USD	440	400	275	250
CLS	Hedge/Member		Decrease	USD	400	400	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2017, Jun 2018, Dec 2018 (CRUDE OIL TRADE AT SETTLEMENT)								
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2017, Jun 2018, Dec 2018 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		Decrease	USD	440	400	275	250
XCT	Hedge/Member		Decrease	USD	400	400	250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2018, Jun 2019, Dec 2019 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			275	250
CL	Hedge/Member		New	USD			250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2018, Jun 2019, Dec 2019 (CRUDE OIL TRADE AT MARKER LONDON)								
CLL	Spec		New	USD			275	250
CLL	Hedge/Member		New	USD			250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2018, Jun 2019, Dec 2019 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		New	USD			275	250
CLS	Hedge/Member		New	USD			250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2018, Jun 2019, Dec 2019 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		New	USD			275	250
CLT	Hedge/Member		New	USD			250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Dec 2018, Jun 2019, Dec 2019 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		New	USD			275	250
XCT	Hedge/Member		New	USD			250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2013, Dec 2013, Jun 2014 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			275	250
CL	Hedge/Member		New	USD			250	250
Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2013, Dec 2013, Jun 2014 (CRUDE OIL TRADE AT MARKER LONDON)								
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2013, Dec 2013, Jun 2014 (CRUDE OIL TRADE AT MARKER SINGAPORE)								
CLS	Spec		New	USD			275	250
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2013, Dec 2013, Jun 2014 (CRUDE OIL TRADE AT SETTLEMENT)								
CLT	Spec		New	USD			275	250
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2014, Dec 2014, Jun 2015 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		Decrease	USD	385	350	275	250
CL	Hedge/Member		Decrease	USD	350	350	250	250

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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2018, Dec 2018, Jun 2019 (CRUDE OIL FUTURE NYMEX)								
CL	Spec		New	USD			275	250
CL	Hedge/Member		New	USD			250	250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
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Light Sweet Crude Oil (CL) - Semi-Annual Butterfly Jun 2018, Dec 2018, Jun 2019 (NYMEX CRUDE OIL MACI INDEX TAS)								
XCT	Spec		New	USD			275	250
XCT	Hedge/Member		New	USD			250	250

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						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	40%	40%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 0.3% FUEL OIL HIPR (PLATTS) SWAP (NYM-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME)						
Spread Credit Rate	New	+1:-1			35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	-1:+1	75%	75%	35%	35%
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME).						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL SPREADS - Inter-commodity Spread Rates						
ARGUS LLS VS. WTI (ARGUS) TRADE MONTH SWAP FUTURES (NY-E5 - CME) vs LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME)						
Spread Credit Rate	New	+1:-1			70%	70%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%
LLS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-WJ - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+1:-1:+1			98%	98%

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						
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
FAME 0 (ARGUS) BIODIESEL FOB RDAM SWAP FUTURES (NY-2L - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL FINANCIAL FUTURES (NY-HO, BH, MP) vs NEW YORK ETHANOL (PLATTS) SWAP (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL, CS, WS) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+15:-2	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB CALENDAR SWAP FUTURE (NY-RL) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
RBOB GASOLINE FINANCIAL FUTURES (NY-27 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-27 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RT - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
INTEREST RATES - Inter-commodity Spread Rates						
10 Year Swap (CBOT) (66) vs. 5 Year Swap (CBOT) (NG)						
Spread Credit Rate	Increase	-1:+2	70%	70%	80%	80%
10 Year Treasury Note (21) vs. 5 Year Swap (CBOT) (NG)						
Spread Credit Rate	Increase	+1:-1	65%	65%	70%	70%
5 Year Treasury Note (25) vs. 5 Year Swap (CBOT) (NG)						
Spread Credit Rate	Increase	+1:-1	85%	85%	90%	90%
7 Year Swap (CBOT) (71) vs. 5 Year Swap (CBOT) (NG)						
Spread Credit Rate	New	+2:-1			50%	50%
NG (5-Year Interest Rate Swap Future - CBOT) vs. 17 (30-Year US Treasury Bond Future - CBOT)						
Spread Credit Rate	New	+5:-2			60%	60%
NG (5-Year Interest Rate Swap Future - CBOT) vs. 26 (2-Year Treasury Note Future - CBOT)						
Spread Credit Rate	New	+5:-6			60%	60%
NG (5-Year Interest Rate Swap Future - CBOT) vs. UBE (Ultra T-Bond Future - CBOT)						
Spread Credit Rate	New	+5:-2			40%	40%

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						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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%	30%	30%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+2:-15	70%	70%	45%	45%
Spread Credit Rate	Decrease	+2:-15	70%	70%	45%	45%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			45%	45%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	40%	40%	30%	30%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
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	+2:-15	60%	60%	40%	40%
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	40%	40%
Spread Credit Rate	Increase	+2:-15	30%	30%	40%	40%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
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	65%	65%	50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Decrease	+12:-1	55%	55%	35%	35%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	65%	65%	45%	45%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	30%	30%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
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	+15:-2	50%	50%	30%	30%
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
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	+15:-2	60%	60%	40%	40%
Spread Credit Rate	Decrease	+15:-2	60%	60%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
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	30%	30%	0%	0%
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	+15:-2	65%	65%	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%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	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 NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	50%	50%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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	+15:-2	60%	60%	30%	30%
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	75%	75%	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	New	+15:-2			30%	30%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
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	45%	45%	35%	35%
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	70%	70%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
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	70%	70%	50%	50%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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	New	+2:-15			30%	30%
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	New	+2:-15			30%	30%
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	65%	65%	40%	40%
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	New	+2:-15			30%	30%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE FUTURES (NY-27 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%

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 CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE FUTURES (NY-RT - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
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	+2:-15	65%	65%	30%	30%
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	+2:-15	55%	55%	30%	30%
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	50%	50%	30%	30%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	40%	40%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
PETROLEUM CRACKS AND SPREADS - Inter-commodity Spread Rates						
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%
MARS (ARGUS) VS. WTI SPREAD CALENDAR SWAP FUTURES (NY-YX - CME) vs MARS (ARGUS) CALENDAR SWAP FUTURES (NY-MX - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	New	+1:-1:+1			95%	95%

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						
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	0%	0%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	30%	30%
1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+2:-15	55%	55%	30%	30%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME).						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
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%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
DUBAI CRUDE OIL (PLATTS) CALENDAR SWAP FUTURES (NY-DC - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	40%	40%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
Spread Credit Rate	Increase	+1:-1	30%	30%	45%	45%
EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
Spread Credit Rate	Increase	+1:-1	30%	30%	50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	70%	70%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q)						
Spread Credit Rate	Decrease	+2:-15	70%	70%	45%	45%
Spread Credit Rate	Decrease	+2:-15	70%	70%	45%	45%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX, BG) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	70%	70%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN GASOIL 10 PPM (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-GT - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+2:-15			45%	45%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			50%	50%
EUROPEAN GASOIL BULLET SWAP FUTURES (NY-BG - CME) vs ULSD 10PPM (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-Z6 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	70%	70%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs ARGUS BIODIESEL RME FOB RDAM SWAP FUTURES (NY-1A - CME)						
Spread Credit Rate	Increase	+1:-10	35%	35%	60%	60%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+2:-15			40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	40%	40%	30%	30%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	40%	40%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	50%	50%
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (NY-UJ - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN) vs. CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%

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 EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUTURES (NY-A5)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
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	+2:-15	60%	60%	40%	40%
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
Spread Credit Rate	Decrease	+2:-15	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS) vs. SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
FAME 0 (ARGUS) BIODIESEL FOB RDAM SWAP FUTURES (NY-2L - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOIL 0.1 (PLATTS) BARGES FOB RDAM SWAP FUTURES (NY-VL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOIL 10PPM (PLATTS) CARGOES CIF NWE SWAP FUTURES (NY-TY - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	65%	65%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME) vs SINGAPORE GASOIL (PLATTS) SWAP FUTURES (NY-SG - CME)						
Spread Credit Rate	Increase	+2:-15	50%	50%	60%	60%
GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H) vs. MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0)						
Spread Credit Rate	Increase	+2:-15	30%	30%	40%	40%
Spread Credit Rate	Increase	+2:-15	30%	30%	40%	40%
GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME) vs NEW YORK FUEL OIL 0.3% HP SWAP (NYM-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	50%	50%
GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
GULF COAST HEATING OIL (PLATTS) CALENDAR SWAP FUTURES (NY-GP - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	50%	50%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME) vs NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	30%	30%
GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
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	65%	65%	50%	50%
GULF COAST ULSD CALENDAR SWAP (NY-LY) vs NY 3.0% FUEL OIL (PLATTS) SWP (NY-H1)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE (SAUDI ARAMCO) SWAP FUTURES (NY-9N - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	New	+15:-2			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	New	+1:-1			50%	50%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	New	+1:-1			40%	40%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			50%	50%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME) vs SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME)						
Spread Credit Rate	Decrease	+12:-1	55%	55%	35%	35%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	New	+9:-1			70%	70%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)						
Spread Credit Rate	Decrease	+12:-1	65%	65%	45%	45%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			70%	70%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	0%	0%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	30%	30%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	New	+9:-1			70%	70%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HEATING OIL FINANCIAL FUTURES (NY-BH - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			70%	70%
HEATING OIL FINANCIAL FUTURES (NY-HO, BH, MP) vs NEW YORK ETHANOL (PLATTS) SWAP (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	New	+9:-1			70%	70%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUT (NY-JA) vs. EIA FLAT TAX ON-HIGHWAY DIESEL SWAP FUT (NY-A5)						
Spread Credit Rate	Increase	+2:-15	55%	55%	70%	70%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Increase	+1:-1	75%	75%	85%	85%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA - CME) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+2:-15	30%	30%	0%	0%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA) vs. MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0)						
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%
Spread Credit Rate	Decrease	+2:-15	60%	60%	40%	40%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 0.3% FUEL OIL HIPR (PLATTS) SWAP (NYM-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
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	+15:-2	60%	60%	40%	40%
Spread Credit Rate	Decrease	+15:-2	60%	60%	40%	40%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (NY-JA)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
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	+15:-2	65%	65%	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%	50%	50%
MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	50%	50%
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	80%	80%	50%	50%
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	+15:-2	60%	60%	30%	30%

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	75%	75%	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	New	+15:-2			30%	30%
MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0) vs. SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	0%	0%
MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME) vs RBOB GASOLINE FUTURES (NY-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) (NYM-3N - CME) vs NY HARBOR RBOB (BLENDSTOCK) GAS (NYM-RB, RL, RT)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
MONT BELVIEU PHYSICAL LDH PROPANE (OPIS) FUTURES (NY-3N - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q) vs. SINGAPORE GASOIL SWAP (NY-SG)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 1% FUEL OIL CALENDAR SWAP (NORTHWEST EURO (NYM-UF - CME)						
Spread Credit Rate	Decrease	+7:-1	60%	60%	30%	30%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 1% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UH - CME)						
Spread Credit Rate	Decrease	+7:-1	60%	60%	30%	30%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs EUROPEAN 3.5% FUEL OIL ROTTERDAM CALENDAR SWAP (NYM-UV - CME)						
Spread Credit Rate	Decrease	+7:-1	50%	50%	30%	30%
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs GULF COAST #6 FUEL 3.0% SWAP (NYM-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NEW YORK 3.0% FUEL OIL (PLATTS) SWAP (NYM-H1 - CME) vs NY HARBOR RESIDUAL FUEL 1.0% SWAP (NYM-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs ETHANOL (EH - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	New	+9:-1			70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	New	+25:-3			70%	70%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
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	45%	45%	35%	35%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
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	70%	70%	45%	45%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ETHANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-C0 - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs MONT BELVIEU ISO-BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8I - CME)						
Spread Credit Rate	Decrease	+1:-1	45%	45%	30%	30%
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	70%	70%	50%	50%
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO, MP, BH) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME) vs LLS (ARGUS) CALENDAR SWAP FUTURES (NY-XA - CME)						
Spread Credit Rate	New	+1:-1			35%	35%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) CARGOES FOB NWE CALENDAR SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (NY-UN - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	30%	30%
NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+15:+2	55%	55%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME)						
Spread Credit Rate	Decrease	+15:-2	60%	60%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	-1:+1	75%	75%	35%	35%
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs CONWAY PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-8K - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs EUROPEAN 1% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+19:-3	75%	75%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:+1	80%	80%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	-15:+2	70%	70%	30%	30%
Spread Credit Rate	Decrease	+15:-2	70%	70%	30%	30%
NY 2.2% FUEL OIL (PLATTS) SWAP FUTURES (NY-Y3 - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	35%	35%	0%	0%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs GULF COAST UNL 87 (PLATTS) CALENDAR SWAP FUTURES (NY-GS - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs MONT BELVIEU NORMAL BUTANE LDH (OPIS) SWAP FUTURES (NY-MNB - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs OMAN CRUDE OIL (NY-OQ - CME)						
Spread Credit Rate	Decrease	+1:-1	70%	70%	35%	35%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs RBOB GASOLINE FUTURES (NY-27 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs RBOB GASOLINE FUTURES (NY-RL - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs RBOB GASOLINE FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME) vs SINGAPORE FUEL OIL 380 CST (PLATTS) SWAP FUTURES (NY-SE - CME)						
Spread Credit Rate	Decrease	+15:-2	50%	50%	30%	30%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs EUROPEAN GASOIL (ICE) SWAP FUTURES (NY-GX - CME)						
Spread Credit Rate	Decrease	+15:-2	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GULF COAST NO. 6 FUEL OIL 3.0% (PLATTS) SWAP FUTURES (NY-MF - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME) vs NEW YORK HARBOR RESIDUAL FUEL 1.0% (PLATTS) SWAP FUTURES (NY-MM - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
OMAN CRUDE OIL (NY-OQ - CME) vs SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
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	New	+2:-15			30%	30%
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	New	+2:-15			30%	30%
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	65%	65%	40%	40%

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 PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME)						
Spread Credit Rate	Decrease	+1:-1	60%	60%	40%	40%
RBOB CALENDAR SWAP FUTURE (NY-RL) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	0%	0%
RBOB GASOLINE FINANCIAL FUTURES (NY-27 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-27 - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE FUTURES (NY-27 - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RB - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE FUTURES (NY-RB, RL, RT) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
RBOB GASOLINE FUTURES (NY-RT - CME) vs CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME)						
Spread Credit Rate	Increase	+1:-1	0%	0%	50%	50%
RBOB GASOLINE FUTURES (NY-RT - CME) vs NY ETHANOL (PLATTS) SWAP FUTURES (NY-EZ - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RBOB GASOLINE LAST DAY FINANCIAL FUTURES (NY-27 - CME) vs CHICAGO ETHANOL (PLATTS) SWAP FUTURES (NY-CU - CME)						
Spread Credit Rate	Decrease	+1:-1	30%	30%	0%	0%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+2:-15	50%	50%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+2:-15	65%	65%	30%	30%
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (NY-UA - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+2:-15			30%	30%
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	+2:-15	65%	65%	30%	30%
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	+2:-15	55%	55%	30%	30%
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	50%	50%	30%	30%
SINGAPORE JET KEROSENE (PLATTS) SWAP FUTURES (NY-KS - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	40%	40%	30%	30%
SINGAPORE JET KEROSENE SWAP (NY-KS) vs. MT BELVIEU NAT GAS 5 D. OPIS (NY-7Q)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
Spread Credit Rate	Decrease	+1:-1	65%	65%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-1W - CME)						
Spread Credit Rate	Decrease	+15:-2	65%	65%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UF - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs 1% FUEL OIL (PLATTS) CARGOES CIF MED SWAP FUTURES (NY-UH - CME)						
Spread Credit Rate	Decrease	+15:-2	70%	70%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	40%	40%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs DATED BRENT (PLATTS) CALENDAR SWAP FUTURES (NY-UB - CME)						
Spread Credit Rate	Increase	+1:-1	30%	30%	60%	60%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs GULF COAST JET FUEL (PLATTS) CALENDAR SWAP FUTURES (NY-GE - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs GULF COAST ULSD (PLATTS) SWAP FUTURES (NY-LY - CME)						
Spread Credit Rate	Increase	+1:-1	45%	45%	70%	70%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU NATURAL GASOLINE 5 DECIMALS (OPIS) SWAP FUTURES (NY-7Q - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs MONT BELVIEU NORMAL BUTANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-D0 - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
SINGAPORE NAPHTHA (PLATTS) SWAP FUTURES (NY-SP - CME) vs PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME)						
Spread Credit Rate	New	+1:-1			30%	30%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Increase	+25:-3	60%	60%	70%	70%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 0.3% FUEL OIL HIPR (PLATTS) SWAP FUTURES (NY-8N - CME).						
Spread Credit Rate	Decrease	+1:-1	50%	50%	35%	35%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NY 3.0% FUEL OIL (PLATTS) SWAP FUTURES (NY-H1 - CME)						
Spread Credit Rate	Decrease	+1:-1	65%	65%	40%	40%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
CRUDE OIL - Short Option Minimum (SOM) Rate						
BRENT OPTION ON CALENDAR FUTURES STRIP (BPC, BPS) - SOM						
Clearing Member Rate		Decrease	660.00	600.00	396.00	360.00
BRENT OPTION ON QUARTERLY FUTURES STRIP (BQP, BQS) - SOM						
Clearing Member Rate		Decrease	165.00	150.00	99.00	90.00
DME OMAN CRUDE OIL SWAP FUTURES (DOA, DOO) - SOM						
Clearing Member Rate		Decrease	55.00	50.00	44.00	40.00
OMAN CRUDE OIL (OQ, OQE, ZG) - SOM						
Clearing Member Rate		Decrease	55.00	50.00	44.00	40.00
CRUDE OIL SPREADS - Short Option Minimum (SOM) Rate						
WTI-BRENT (ICE) BULLET SWAP FUTURES (BV, BY) - SOM						
Clearing Member Rate		Decrease	44.00	40.00	38.50	35.00
ELECTRICITY - Short Option Minimum (SOM) Rate						
PJM NORTHERN ILLINOIS HUB PEAK CALENDAR-MONTH LMP SWAP FUTURES (OU, PJN, UM) - SOM						
Clearing Member Rate		Increase	55.00	50.00	66.00	60.00
SYNTHETIC PJM AEP DAYTON HUB PEAK 50 MW CALENDAR-MONTH LMP OPTION ON CALENDAR FUTURES STRIP (PAS, PJP) - SOM						
Clearing Member Rate		Increase	550.00	500.00	660.00	600.00
SYNTHETIC PJM NORTHERN ILLINOIS HUB PEAK 50 MW CALENDAR-MONTH LMP OPTION ON CALENDAR FUTURES STRIP (PJH, PNS) - SOM						
Clearing Member Rate		Increase	550.00	500.00	660.00	600.00
ETHANOL - Short Option Minimum (SOM) Rate						
CHICAGO ETHANOL (PLATTS) SWAP FUTURES (CU, CVR) - SOM						
Clearing Member Rate		Increase	44.00	40.00	49.50	45.00
NY ETHANOL (PLATTS) SWAP FUTURES (EZ, NVP) - SOM						
Clearing Member Rate		Increase	44.00	40.00	49.50	45.00
FREIGHT - Short Option Minimum (SOM) Rate						
FREIGHT ROUTE TC5 (PLATTS) SWAP FUTURES (TCF, TH) - SOM						
Clearing Member Rate		Increase	27.50	25.00	38.50	35.00
FREIGHT ROUTE TD3 (BALTIC) SWAP FUTURES (TDT, TL) - SOM						
Clearing Member Rate		Increase	11.00	10.00	16.50	15.00

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
NATURAL GAS - Short Option Minimum (SOM) Rate						
HOUSTON SHIP CHANNEL BASIS SWAP (PLATTS IFERC) FUTURES (5F, NH) - SOM						
Clearing Member Rate		Decrease	22.00	20.00	11.00	10.00
NAT GAS 1 MONTH CALENDAR SPREAD (DG, IA) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NAT GAS 12 MONTH CALENDAR SPREAD (DZ, IZ) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NAT GAS 2 MONTH CALENDAR SPREAD (DJ, IB) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NAT GAS 3 MONTH CALENDAR SPREAD (DS, IC) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NAT GAS 5 MONTH CALENDAR SPREAD (DE, IE) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NAT GAS 6 MONTH CALENDAR SPREAD (DM, IM) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 1 MONTH CSO (G4, G8) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 12 MONTH CSO (G7, H6) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 2 MONTH CSO (G2, G9) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 3 MONTH CSO (G3, H9) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 5 MONTH CSO (G5, H8) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NATURAL GAS 6 MONTH CSO (G6, H7) - SOM						
Clearing Member Rate		Increase	33.00	30.00	44.00	40.00
NGPL TEXOK BASIS SWAP (PLATTS IFERC) FUTURES (5H, PD) - SOM						
Clearing Member Rate		Decrease	22.00	20.00	11.00	10.00

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Tier Description	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Short Option Minimum (SOM) Rate						
REFINED PRODUCTS - Short Option Minimum (SOM) Rate						
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (0D, Q6, UV) - SOM						
Clearing Member Rate		Increase	275.00	250.00	357.50	325.00
EUROPEAN GASOIL (ICE) SWAP FUTURES (F7, GX, QA) - SOM						
Clearing Member Rate		Increase	275.00	250.00	330.00	300.00
EUROPEAN GASOIL BULLET SWAP FUTURES (7F, 7FT, BG, F8) - SOM						
Clearing Member Rate		Increase	275.00	250.00	330.00	300.00
EUROPEAN JET KEROSENE (PLATTS) CARGOES CIF NWE CALENDAR SWAP FUTURES (30, UJ) - SOM						
Clearing Member Rate		Increase	275.00	250.00	385.00	350.00
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (MNC, NWE, UN) - SOM						
Clearing Member Rate		Increase	495.00	450.00	550.00	500.00
GASOIL 1 MONTH CSO (GUS, GXA) - SOM						
Clearing Member Rate		Increase	220.00	200.00	330.00	300.00
GASOIL 12 MONTH CSO (GLS, GXZ) - SOM						
Clearing Member Rate		Increase	220.00	200.00	330.00	300.00
GASOIL 2 MONTH CSO (GWS, GXB) - SOM						
Clearing Member Rate		Increase	220.00	200.00	330.00	300.00
GASOIL 3 MONTH CSO (GXC, GYS) - SOM						
Clearing Member Rate		Increase	220.00	200.00	330.00	300.00
GASOIL 6 MONTH CSO (GVS, GXM) - SOM						
Clearing Member Rate		Increase	220.00	200.00	330.00	300.00
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (JA, JA5, MJN) - SOM						
Clearing Member Rate		Increase	495.00	450.00	550.00	500.00
SINGAPORE FUEL OIL 180 CST (PLATTS) CALENDAR SWAP FUTURES (0F, C5, UA) - SOM						
Clearing Member Rate		Increase	275.00	250.00	385.00	350.00
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (1N, 1N5) - SOM						
Clearing Member Rate		Increase	55.00	50.00	66.00	60.00

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	<u>Tier Description</u>	Change	Current Initial	Current Maintenance	New Initial	New Maintenance
Volatility Scan (volScan) Rate						
REFINED PRODUCTS - Volatility Scan (volScan) Rate						
EUROPEAN NAPHTHA (PLATTS) CALENDAR SWAP FUTURES (MNC, NWE, UN) - volScan						
Clearing Member Rate	Mths 1	Increase		0.03		0.05
Clearing Member Rate	Mths 2-6	Increase		0.03		0.05
Clearing Member Rate	Mnths 7+	Increase		0.03		0.05
GASOIL 1 MONTH CSO (GUS, GXA) - volScan						
Clearing Member Rate		Increase		11%		25.00%
GASOIL 12 MONTH CSO (GLS, GXZ) - volScan						
Clearing Member Rate		Increase		11%		25.00%
GASOIL 2 MONTH CSO (GWS, GXB) - volScan						
Clearing Member Rate		Increase		11%		25.00%
GASOIL 3 MONTH CSO (GXC, GYS) - volScan						
Clearing Member Rate		Increase		11%		25.00%
GASOIL 6 MONTH CSO (GVS, GXM) - volScan						
Clearing Member Rate		Increase		11%		25.00%
JAPAN C&F NAPHTHA (PLATTS) SWAP FUTURES (JA, JA5, MJN) - volScan						
Clearing Member Rate	Mnth 1	Increase		0.03		0.05
Clearing Member Rate	Mnths 2-6	Increase		0.03		0.05
Clearing Member Rate	Mnths 7+	Increase		0.03		0.05
NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (HO, MP) – volScan down						
Clearing Member Rate	Mnth 1	Decrease		0.07		0.035
Clearing Member Rate	Mnth 2	Decrease		0.04		0.03