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

17-346

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, September 07, 2017

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

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

The rates will be effective after the close of business on

Friday, September 08, 2017.

Current rates as of:

Thursday, September 07, 2017.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
NYMEX COTTON (TT)								
TT	Spec	Month 1	Increase	USD	1,815	1,650	2,035	1,850
TT	Hedge/Member	Month 1	Increase	USD	1,650	1,650	1,850	1,850
TT	Spec	Month 2+	Increase	USD	1,430	1,300	1,650	1,500
TT	Hedge/Member	Month 2+	Increase	USD	1,300	1,300	1,500	1,500
UREA (GRANULAR) FOB MIDDLE EAST FUT (UME)								
UME	Spec	Month 1	Increase	USD	1,100	1,000	1,320	1,200
UME	Hedge/Member	Month 1	Increase	USD	1,000	1,000	1,200	1,200
UREA (GRANULAR) FOB U.S. GULF SWAP (UFN)								
UFN	Spec	Months 1-6	Increase	USD	1,485	1,350	1,650	1,500
UFN	Hedge/Member	Months 1-6	Increase	USD	1,350	1,350	1,500	1,500
METALS - Outright Rates								
GOLD KILO FUTURES (GCK)								
GCK	Spec	Mnth1	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth1	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth2	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth2	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth3	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth3	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth4	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth4	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth5	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth5	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth6	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth6	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth7	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth7	Increase	USD	1,271	1,271	1,447	1,447
GCK	Spec	Mnth8+	Increase	USD	1,398	1,271	1,591	1,447
GCK	Hedge/Member	Mnth8+	Increase	USD	1,271	1,271	1,447	1,447
LONDON SPOT GOLD FUTURES (GSP)								
GSP	Spec	All Contracts	Increase	USD	4,345	3,950	4,950	4,500
GSP	Hedge/Member	All Contracts	Increase	USD	3,950	3,950	4,500	4,500
PALLADIUM FUTURES NYMEX (PA)								
PA	Spec	Mnth 2	Decrease	USD	16,060	14,600	14,300	13,000
PA	Hedge/Member	Mnth 2	Decrease	USD	14,600	14,600	13,000	13,000
PA	Spec	Mnth 3	Decrease	USD	16,060	14,600	12,375	11,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PA	Hedge/Member	Mnth 3	Decrease	USD	14,600	14,600	11,250	11,250
PA	Spec	Mnth 4+	Decrease	USD	12,760	11,600	11,000	10,000
PA	Hedge/Member	Mnth 4+	Decrease	USD	11,600	11,600	10,000	10,000

NATURAL GAS - Outright Rates

DOMINION BASIS FUT (PLATTS IFERC) (PG)

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
PG	Spec	Mnth 1	Increase	USD	374	340	451	410
PG	Hedge/Member	Mnth 1	Increase	USD	340	340	410	410
PG	Spec	Mnth 2	Increase	USD	374	340	451	410
PG	Hedge/Member	Mnth 2	Increase	USD	340	340	410	410
PG	Spec	Mnths 3-8	Increase	USD	341	310	407	370
PG	Hedge/Member	Mnths 3-8	Increase	USD	310	310	370	370
PG	Spec	Mnths 9-20	Increase	USD	286	260	341	310
PG	Hedge/Member	Mnths 9-20	Increase	USD	260	260	310	310
PG	Spec	Mnths 21+	Increase	USD	286	260	341	310
PG	Hedge/Member	Mnths 21+	Increase	USD	260	260	310	310

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
PETROLEUM CRACKS AND SPREADS - Outright Rates								
1%FUELOIL FOBNWE VS 3.5%BARG FOB BA (88)								
88	Spec		Decrease	USD	13,200	12,000	4,950	4,500
88	Hedge/Member		Decrease	USD	12,000	12,000	4,500	4,500
88	Spec		Decrease	USD	13,200	12,000	4,950	4,500
88	Hedge/Member		Decrease	USD	12,000	12,000	4,500	4,500
DIESEL 10P BRG FOB RDM V ICEBL (7X)								
7X	Spec		Decrease	USD	5,500	5,000	1,980	1,800
7X	Hedge/Member		Decrease	USD	5,000	5,000	1,800	1,800
E/W NAPHTHA JAPAN CF VS CRGOES CIF (EWN)								
EWN	Spec	Mnths 2-4	Decrease	USD	3,520	3,200	3,080	2,800
EWN	Hedge/Member	Mnths 2-4	Decrease	USD	3,200	3,200	2,800	2,800
MINI 380CST VS 3.5% FUEL OIL FUT (MSB)								
MSB	Spec	Mnth 1	Decrease	USD	440	400	358	325
MSB	Hedge/Member	Mnth 1	Decrease	USD	400	400	325	325
SING 380 FUEL OIL VS FUEL OIL ROTDM (EVC)								
EVC	Spec	Mnth 1	Decrease	USD	4,400	4,000	3,575	3,250
EVC	Hedge/Member	Mnth 1	Decrease	USD	4,000	4,000	3,250	3,250
SINGAPORE JET KERO GASOIL FUT (RK)								
RK	Spec	Mnth 2	Increase	USD	550	500	660	600
RK	Hedge/Member	Mnth 2	Increase	USD	500	500	600	600
RK	Spec	Mnth 3+	Increase	USD	385	350	468	425
RK	Hedge/Member	Mnth 3+	Increase	USD	350	350	425	425
SPORE GASOIL(PLTS) VS DME OMAN CRD (DDA)								
DDA	Spec	Tier 1	Decrease	USD	3,025	2,750	1,925	1,750
DDA	Hedge/Member	Tier 1	Decrease	USD	2,750	2,750	1,750	1,750
DDA	Spec	Tier 2	Decrease	USD	3,025	2,750	1,925	1,750
DDA	Hedge/Member	Tier 2	Decrease	USD	2,750	2,750	1,750	1,750
SPORE MOGS95 UNLDED VS SPORE 92 UNL (SMU)								
SMU	Spec		Decrease	USD	1,430	1,300	770	700
SMU	Hedge/Member		Decrease	USD	1,300	1,300	700	700
ULSD 10PPM CIF V. ICE GAS BLMO (7V)								
7V	Spec		Decrease	USD	7,260	6,600	2,200	2,000
7V	Hedge/Member		Decrease	USD	6,600	6,600	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
			REFINED PRODUCTS - Outright Rates					
MOGAS92 UNLEADED (PLATTS) FUT (1N)								
1N	Spec	Mnth 1	Increase	USD	2,695	2,450	2,970	2,700
1N	Hedge/Member	Mnth 1	Increase	USD	2,450	2,450	2,700	2,700
			WEATHER - Outright Rates					
K1 ATLANTA CDD FUTURES (K1)								
K1	Spec		Increase	USD	13%	12%	15%	14%
K1	Hedge/Member		Increase	USD	12%	12%	14%	14%
K2 CHICAGO CDD FUTURES (K2)								
K2	Spec		Increase	USD	24%	22%	29%	26%
K2	Hedge/Member		Increase	USD	22%	22%	26%	26%
K3 CINCINNATI CDD FUTURES (K3)								
K3	Spec		Increase	USD	26%	24%	31%	28%
K3	Hedge/Member		Increase	USD	24%	24%	28%	28%
K4 NEW YORK CDD FUTURES (K4)								
K4	Spec		Increase	USD	22%	20%	26%	24%
K4	Hedge/Member		Increase	USD	20%	20%	24%	24%

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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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
			METALS - Intra Spreads					
Consecutive Spread - Contracts 2+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	770	700	990	900
TIO	Hedge/Member		Increase	USD	700	700	900	900
Consecutive Spread - Contracts 2+ (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	770	700	990	900
PIO	Hedge/Member		Increase	USD	700	700	900	900
Contract 1 vs Contract 10+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,650	1,500	1,815	1,650
TIO	Hedge/Member		Increase	USD	1,500	1,500	1,650	1,650
Contract 1 vs Contracts 10+ (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,650	1,500	1,815	1,650
PIO	Hedge/Member		Increase	USD	1,500	1,500	1,650	1,650
Contract 1 vs Contracts 2-4 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,375	1,250	1,540	1,400
TIO	Hedge/Member		Increase	USD	1,250	1,250	1,400	1,400
Contract 1 vs Contracts 2-4 (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,375	1,250	1,540	1,400
PIO	Hedge/Member		Increase	USD	1,250	1,250	1,400	1,400
Contract 1 vs Contracts 5-9 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,650	1,500	1,815	1,650
TIO	Hedge/Member		Increase	USD	1,500	1,500	1,650	1,650
Contract 1 vs Contracts 5-9 (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,650	1,500	1,815	1,650
PIO	Hedge/Member		Increase	USD	1,500	1,500	1,650	1,650
Contract 10+ vs Contract 10+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,430	1,300	1,595	1,450
TIO	Hedge/Member		Increase	USD	1,300	1,300	1,450	1,450
Contracts 10+ vs Contracts 10+ (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,430	1,300	1,595	1,450
PIO	Hedge/Member		Increase	USD	1,300	1,300	1,450	1,450
Contracts 2-4 vs Contracts 10+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
TIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Contracts 2-4 vs Contracts 10+ (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
PIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 2-4 vs Contracts 2-4 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
TIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 2-4 vs Contracts 2-4 (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
PIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 2-4 vs Contracts 5-9 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
TIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 2-4 vs Contracts 5-9 (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
PIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 5-9 vs Contacts 5-9 (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
TIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 5-9 vs Contracts 10+ (IRON ORE FUTURES)								
TIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
TIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 5-9 vs Contracts 10+ (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
PIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150
Contracts 5-9 vs Contracts 5-9 (IRON ORE(PLATTS) FUT)								
PIO	Spec		Increase	USD	1,100	1,000	1,265	1,150
PIO	Hedge/Member		Increase	USD	1,000	1,000	1,150	1,150

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
NGL/PETROCHEMICALS - Intra Spreads								
Argus Propane (Saudi Aramco) Swap - 1 vs. All Months (ARGUS PROPAN(SAUDI ARAMCO) FUT)								
9N	Spec		Decrease	USD	33,000	30,000	25,300	23,000
9N	Hedge/Member		Decrease	USD	30,000	30,000	23,000	23,000
Argus Propane (Saudi Aramco) Swap - 1 vs. All Months (MIN ARGUS PROPANE SAUDI ARAMCO FUT)								
MAS	Spec		Decrease	USD	3,300	3,000	2,530	2,300
MAS	Hedge/Member		Decrease	USD	3,000	3,000	2,300	2,300
Argus Propane (Saudi Aramco) Swap - 2+ All Months (ARGUS PROPAN(SAUDI ARAMCO) FUT)								
9N	Spec		New	USD			16,500	15,000
9N	Hedge/Member		New	USD			15,000	15,000
Argus Propane (Saudi Aramco) Swap - 2+ All Months (MIN ARGUS PROPANE SAUDI ARAMCO FUT)								
MAS	Spec		New	USD			1,650	1,500
MAS	Hedge/Member		New	USD			1,500	1,500
Argus Propane (Saudi Aramco) Swap - Consecutives (ARGUS PROPAN(SAUDI ARAMCO) FUT)								
9N	Spec		New	USD			11,000	10,000
9N	Hedge/Member		New	USD			10,000	10,000
Argus Propane (Saudi Aramco) Swap - Consecutives (MIN ARGUS PROPANE SAUDI ARAMCO FUT)								
MAS	Spec		New	USD			1,100	1,000
MAS	Hedge/Member		New	USD			1,000	1,000
Argus Propane Far East Index Swap - 1v2 (ARGUS PROPAN FAR EST INDEX FUT)								
7E	Spec		Decrease	USD	26,400	24,000	22,000	20,000
7E	Hedge/Member		Decrease	USD	24,000	24,000	20,000	20,000
Argus Propane Far East Index Swap - 1v2 (MINI ARGUS PROPANE FAR EAST IDX)								
MAE	Spec		Decrease	USD	2,640	2,400	2,200	2,000
MAE	Hedge/Member		Decrease	USD	2,400	2,400	2,000	2,000
Argus Propane Far East Index Swap - 2v2 (ARGUS PROPAN FAR EST INDEX FUT)								
7E	Spec		Decrease	USD	17,600	16,000	13,200	12,000
7E	Hedge/Member		Decrease	USD	16,000	16,000	12,000	12,000
Argus Propane Far East Index Swap - 2v2 (MINI ARGUS PROPANE FAR EAST IDX)								
MAE	Spec		Decrease	USD	1,760	1,600	1,320	1,200
MAE	Hedge/Member		Decrease	USD	1,600	1,600	1,200	1,200
Argus Propane Far East Index Swap - Consecutives (ARGUS PROPAN FAR EST INDEX FUT)								
7E	Spec		New	USD			5,500	5,000
7E	Hedge/Member		New	USD			5,000	5,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Argus Propane Far East Index Swap - Consecutives (MINI ARGUS PROPANE FAR EAST IDX)								
MAE	Spec		New	USD			550	500
MAE	Hedge/Member		New	USD			500	500
European Propane CIF ARA (Argus) Swap - 1 vs. All Months (EURO PROPANE CIF ARA FUT)								
PS	Spec		Decrease	USD	41,800	38,000	27,500	25,000
PS	Hedge/Member		Decrease	USD	38,000	38,000	25,000	25,000
European Propane CIF ARA (Argus) Swap - 1 vs. All Months (MINI EURO PROPANE CIF ARA ARGUS FUT)								
MPS	Spec		Decrease	USD	4,180	3,800	2,750	2,500
MPS	Hedge/Member		Decrease	USD	3,800	3,800	2,500	2,500
European Propane CIF ARA (Argus) Swap - 2+ All Months (EURO PROPANE CIF ARA FUT)								
PS	Spec		New	USD			19,800	18,000
PS	Hedge/Member		New	USD			18,000	18,000
European Propane CIF ARA (Argus) Swap - 2+ All Months (MINI EURO PROPANE CIF ARA ARGUS FUT)								
MPS	Spec		New	USD			1,980	1,800
MPS	Hedge/Member		New	USD			1,800	1,800
European Propane CIF ARA (Argus) Swap - consecutives (EURO PROPANE CIF ARA FUT)								
PS	Spec		New	USD			7,700	7,000
PS	Hedge/Member		New	USD			7,000	7,000
European Propane CIF ARA (Argus) Swap - consecutives (MINI EURO PROPANE CIF ARA ARGUS FUT)								
MPS	Spec		New	USD			770	700
MPS	Hedge/Member		New	USD			700	700
PETROLEUM CRACKS AND SPREADS - Intra Spreads								
SINGAPORE MOGAS 92 UNLEADED (PLATTS) BRENT CRACK SPREAD SWAP FUTURES - All Months (SPORE MOGAS92 UNLD BRENT SPRD FUT)								
1NB	Spec		Increase	USD	1,870	1,700	2,200	2,000
1NB	Hedge/Member		Increase	USD	1,700	1,700	2,000	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
			REFINED PRODUCTS - Intra Spreads					
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Mnth 2 vs 3 (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Spec		Increase	USD	6,600	6,000	9,900	9,000
7H	Hedge/Member		Increase	USD	6,000	6,000	9,000	9,000
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Mnth 2 vs 3 (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Spec		Increase	USD	6,600	6,000	9,900	9,000
MEO	Hedge/Member		Increase	USD	6,000	6,000	9,000	9,000
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Mnths 2+ (GAS EURO-BOB OXY (ARG) NEW BRG)								
7H	Spec		Increase	USD	11,000	10,000	14,300	13,000
7H	Hedge/Member		Increase	USD	10,000	10,000	13,000	13,000
Gasoline Euro-bob Oxy (Argus) NWE Barges Swap - Mnths 2+ (MINI GAS EUROBOB OXY BARGES FUT)								
MEO	Spec		Increase	USD	11,000	10,000	14,300	13,000
MEO	Hedge/Member		Increase	USD	10,000	10,000	13,000	13,000
Premium Unl Gasoline 10ppm (Platts) FOB Med Swap - All Months (PREMIUM UNLD 10P FOB MED FUT)								
3G	Spec		Increase	USD	16,500	15,000	18,150	16,500
3G	Hedge/Member		Increase	USD	15,000	15,000	16,500	16,500
Singapore Mogas 92 Unleaded (Platts) Swap - Mths 2+ (MOGAS92 UNLEADED (PLATTS) FUT)								
1N	Spec		Increase	USD	990	900	1,375	1,250
1N	Hedge/Member		Increase	USD	900	900	1,250	1,250

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
AGRICULTURE - Inter-commodity Spread Rates						
Urea FOB US Gulf Swap (UFN) vs UAN FOB NOLA Swap (UFU)						
Spread Credit Rate	Decrease	+1:-1	50%	50%	30%	30%
CRUDE OIL - Inter-commodity Spread Rates						
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME).						
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	85%	85%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	85%	85%	70%	70%
BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - 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	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)						
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
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	Decrease	+25:-3	70%	70%	60%	60%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+5:-33	87%	87%	80%	80%
EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+5:-33	87%	87%	80%	80%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
NY HARBOR RBOB GASOLINE (NYM-RB, RL, RT) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	70%	70%	63%	63%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%

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SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	54%	54%	50%	50%
RBOB GASOLINE FUTURES (NY-RB - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME)						
Spread Credit Rate	Decrease	+1:-1	87%	87%	85%	85%
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
Spread Credit Rate	Decrease	+1:-1	85%	85%	81%	81%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs BRENT CRUDE OIL PENULTIMATE FINANCIAL FUTURES (NY-BB - CME)						
Spread Credit Rate	Decrease	+1:-1	91%	91%	88%	88%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
INTEREST RATES - Inter-commodity Spread Rates						
ULTRA 10-YEAR U.S. TREASURY NOTE FUTURES (TN - CME) vs 5 YEAR INTEREST RATE SWAP DELIVERABLE FUTURE (F1U - CME)						
Spread Credit Rate	New	+1:-2			65%	65%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

NGL/PETROCHEMICALS - Inter-commodity Spread Rates

ARGUS PROPANE (SAUDI ARAMCO) SWAP (NYM-9N - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)

Spread Credit Rate	Increase	+1:-1	45%	45%	54%	54%

ARGUS PROPANE FAR EAST INDEX SWAP (NYM-7E - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP (NYM-PS - CME)

Spread Credit Rate	Increase	+1:-1	75%	75%	82%	82%

ARGUS PROPANE FAR EAST INDEX SWAP FUTURES (NY-7E - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)

Spread Credit Rate	Increase	+1:-1	75%	75%	82%	82%

CONWAY NATURAL GASOLINE (OPIS) SWAP FUTURES (NY-8L - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)

Spread Credit Rate	Increase	+12:-1	45%	45%	52%	52%

CONWAY NORMAL BUTANE (OPIS) SWAP FUTURES (NY-8M - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)

Spread Credit Rate	Increase	+12:-1	30%	30%	47%	47%

MONT BELVIEU LDH PROPANE 5 DECIMALS (OPIS) SWAP FUTURES (NY-B0 - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)

Spread Credit Rate	Increase	+12:-1	50%	50%	59%	59%

PROPANE NON-LDH MONT BELVIEU (OPIS) SWAP FUTURES (NY-1R - CME) vs EUROPEAN PROPANE CIF ARA (ARGUS) SWAP FUTURES (NY-PS - CME)

Spread Credit Rate	Increase	+12:-1	45%	45%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

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

REFINED PRODUCTS - Inter-commodity Spread Rates

BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%

BRENT (ICE) CALENDAR SWAP FUTURES (NY-CY - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME).

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	75%	75%	70%	70%

BRENT CRUDE OIL BULLET SWAP FINANCIAL (NYM-BB, BZ, CY) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	85%	85%	70%	70%

BRENT CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-BZ - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	85%	85%	70%	70%

CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%

CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%

CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%

CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%

CRUDE OIL FINANCIAL FUTURES (NY-WS - CME) vs RBOB GASOLINE FUTURES (NY-RB - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%

CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%

EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+5:-33	87%	87%	80%	80%

EUROPEAN 3.5% FUEL OIL (PLATTS) BARGES FOB RDAM CALENDAR SWAP FUTURES (NY-UV - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+5:-33	87%	87%	80%	80%

HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL FINANCIAL FUTURES (NY-WS - CME)

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs CRUDE OIL LAST DAY FINANCIAL FUTURES (NY-26 - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
HEATING OIL LAST DAY FINANCIAL FUTURES (NY-23 - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP (NYM-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%
LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS) vs HEATING OIL FINANCIAL FUTURES (NYM-HO, BH, MP)						
Spread Credit Rate	Decrease	+1:-1	80%	80%	77%	77%
NY HARBOR RBOB GASOLINE (NYM-RB, RL, RT) vs LIGHT, SWEET CRUDE OIL FUTURES (NYM-CL, CS, WS)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
PREMIUM UNLEADED GASOLINE 10 PPM (PLATTS) FOB MED SWAP FUTURES (NY-3G - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+3:-25	70%	70%	63%	63%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
RBOB GASOLINE CALENDAR SWAP FUTURES (NY-RL - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	54%	54%	50%	50%
RBOB GASOLINE FUTURES (NY-RB - CME) vs WTI CALENDAR SWAP FUTURES (NY-CS - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%
Spread Credit Rate	Decrease	+1:-1	55%	55%	50%	50%
SINGAPORE MOGAS 92 UNLEADED (PLATTS) SWAP FUTURES (NY-1N - CME) vs LIGHT SWEET CRUDE OIL FUTURES (NY-CL - CME)						
Spread Credit Rate	Decrease	+1:-1	75%	75%	65%	65%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs GASOLINE EURO-BOB OXY (ARGUS) NWE BARGES SWAP FUTURES (NY-7H - CME)						
Spread Credit Rate	Decrease	+25:-3	70%	70%	60%	60%

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs HEATING OIL CALENDAR SWAP FUTURES (NY-MP - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs NEW YORK HARBOR NO. 2 HEATING OIL FUTURES (NY-HO - CME)						
Spread Credit Rate	Decrease	+1:-1	83%	83%	77%	77%
WTI CALENDAR SWAP FUTURES (NY-CS - CME) vs RBOB GASOLINE FINANCIAL FUTURES (NY-RT - CME)						
Spread Credit Rate	Decrease	+1:-1	78%	78%	70%	70%