



# ICE Futures U.S. - Energy Division Exchange and Clearing Fees

(Per side per lot)

## North American Liquified Natural Gas - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block, EFS Fee (per lot)	
Gulf Coast LNG (Platts) Future	GCL	GCL	10,000 MMBtu	\$10.00	\$10.00	\$10.00	\$1.00

### Financial Liquified Natural Gas Payment (Cleared Transactions)

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed. ICE will rebate to Participant amounts collected in excess, if any, of the rates above within 30 days of the end of the month in which the Transaction was Executed.

## North American Financial Natural Gas - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block, EFS Fee (per lot)	
UK NBP Natural Gas Last Day Financial Futures (USD/MMBtu)	UNF	UNF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
US EIA Financial Weekly Index (100 USD)	EII	EIW	100 USD	\$0.20	\$0.80	\$0.80	\$0.20
US EIA Financial Weekly Index	EII	EII	1000 USD	\$2.00	\$8.00	\$8.00	\$2.00
US EIA End of Draw Index Future	EIR	EIR	10 USD	\$0.02	\$0.08	\$0.08	\$0.02
US EIA End of Storage Index Future	EIO	EIO	10 USD	\$0.02	\$0.08	\$0.08	\$0.02
Henry LD1 Fixed Price Future	HNG	H	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry LD1 Fixed Price Future 25K	HNG	HHL	25,000 MMBtu	\$1.2825	\$4.94	\$5.20	\$0.19
Henry Penultimate Fixed Price Future	HNG	PHH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry Penultimate Fixed Price Future 25K	HNG	HHP	25,000 MMBtu	\$1.2825	\$4.94	\$5.20	\$0.19
Henry LD4 Fixed Price Future	HNG	OHH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry Calendar Year One Time Fixed Price Future	HNG	HHC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry LD1 Same Day Fixed Price Future	SDH	SDH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NG Index NGX (7a/5a) Future	NG7	NG7	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
AB NIT Swing 5a Future (US/MM)	NG5	NG5	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
AB NIT NGX Same Day 5a Fixed Price Future	NGA	NGA	2500 GJ	\$0.500	\$2.02	\$2.02	\$0.02
AB NIT Fixed Price Future	FQN	FQN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Algonquin Citygates Fixed Price Future	ALG	ALG	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CG Mainline Fixed Price Future	CGA	CGA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Chicago Fixed Price Future	CFB	CFB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CIG Rockies Fixed Price Future	CRA	CRA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Dominion Fixed Price Future	DSF	DSF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Dutch TTF Natural Gas Last Day Financial Futures (USD/MMBTU)	TLD	TLD	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP Permian Fixed Price Future	FQP	FQP	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP San Juan Fixed Price Future	OPU	OPU	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
HSC Fixed Price Future	FQH	FQH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Malin Fixed Price Future	MAF	MAF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Michcon Fixed Price Future	FQM	FQM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL Midcont Fixed Price Future	MCN	MCN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL TXOK Fixed Price Future	NTH	NTH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Ventura Fixed Price Future	NNH	NNH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Rockies Fixed Price Future	FQR	FQR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Panhandle Fixed Price Future	OPP	OPP	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
PG&E Citygate Fixed Price Future	PGD	PGD	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
REX Zone 3 Fixed Price Future	REH	REH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Fixed Price Future	OPS	OPS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TCO Fixed Price Future	TCF	TCF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M3 Fixed Price Future	FQT	FQT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Leidy Fixed Price Future	YQA	YQA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (non NY) Fixed Price Future	TPH	TPH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Waha Fixed Price Future	FQW	FQW	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
AB NIT Basis Future	AEC	AEC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Algonquin Citygates Basis Future	ALQ	ALQ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SW (Oklahoma) Basis Future	ANO	ANO	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M2 (receipt) Basis Future	BM2	BM2	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CG Mainline Basis Future	CGB	CGB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SE (Louisiana) Basis Future	CGM	CGM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CG Onshore Basis Future	CON	CON	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CIG Rockies Basis Future	CRI	CRI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Centerpoint Basis Future	CTP	CTP	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Demarc Basis Future	DEM	DEM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Chicago Basis Future	DGD	DGD	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Dominion South Basis Future	DOM	DOM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Union Dawn Basis Future	DWN	DWN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Florida Gas Zone 3 Basis Future	FTZ	FTZ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry Basis Future	HEN	HEN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
HSC Basis Future	HXS	HXS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois (into) Basis (Platts) Future	IRB	IRB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois-Z2 Basis (Platts) Future	IZB	IZB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Katy Basis Future	KTB	KTB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL Midcont Basis Future	MCO	MCO	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Malin Basis Future	MLN	MLN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Michcon Basis Future	NMC	NMC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Millennium East Pool Basis Future	MRB	MRB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Sumas Basis Future	NSU	NSU	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL STX Basis Future	NSX	NSX	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL TXOK Basis Future	NTO	NTO	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Ventura Basis Future	NVE	NVE	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Rockies Basis Future	NWR	NWR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ONEOK Gas Transportation Basis Future	ONE	ONE	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
REX Zone 3 Basis Future	REX	REX	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Southern Star TX OK KS Basis Future	OUB	OUB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Panhandle Basis Future	PAN	PAN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02

## North American Financial Natural Gas - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block, EFS Fee (per lot)	
EP Permian Basis Future	PER	PER	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
PG&E Citygate Basis Future	PGE	PGE	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Citygate Basis Future	SCB	SCB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Border Basis Future	SCL	SCL	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP San Juan Basis Future	SNJ	SNJ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Sonat Basis Future	SON	SON	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Leidy Basis Future	YQB	YQB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 65 (Zone 3) Basis Future	STA	STA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO STX Basis Future	SXT	SXT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TCO Basis Future	TCO	TCO	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO ELA Basis Future	TEB	TEB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M1 30 Basis Future	TMB	TMB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee 500L Basis Future	TFL	TFL	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 4 300L Basis Future	DMR	DMR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TGT Zone 1 Basis Future	TGB	TGB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TGP-Z6 200L Basis Future	TGL	TGL	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M3 Basis Future	TMT	TMT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (non NY) Basis Future	TPB	TPB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Trunkline LA Basis Future	TRL	TRL	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Trunkline Z1A Basis Future	TZA	TZA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 85 (Zone 4) Basis Future	TRZ	TRZ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 5 Basis Future	DKR	DKR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee 800L Basis Future	TSB	TSB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 30 (Zone 1) Basis Future	TTB	TTB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO WLA Basis Future	TWB	TWB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (NY) Basis Future	TZS	TZS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 0 Basis Future	TZZ	TZZ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Waha Basis Future	WAH	WAH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
AB NIT Index Future	AIS	AIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Algonquin Citygates Index Future	ALI	ALI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SW (Oklahoma) Index Future	AOI	AOI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SE (Louisiana) Index Future	API	API	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Chicago Index Future	CIS	CIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CIG Rockies Index Future	CRC	CRC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Centerpoint Index Future	CTI	CTI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CG-Mainline Index Future	CGI	CGI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Demarc Index Future	DEI	DEI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Dominion South Index Future	DIS	DIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
PG&E Citygate Index Future	EIS	EIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Florida Gas Zone 3 Index Future	FTI	FTI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry Index Future	HIS	HIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Katy Index Future	KTI	KTI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL Midcont Index Future	MCI	MCI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Malin Index Future	MIS	MIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M3 Index Future	MTI	MTI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Surmas Index Future	NIS	NIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Michcon Index Future	NMI	NMI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Millennium East Pool Index Future	MRA	MRA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Ventura Index Future	NNI	NNI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (NY) Index Future	NSI	NSI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL TXOK Index Future	NTI	NTI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL STX Index Future	NXI	NXI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ONEOK Gas Transportation Index Future	ONI	ONI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
REX Zone 3 Index Future	REI	REI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Southern Star TX OK KS Index Future	OUI	OUI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP Permian Index Future	PEI	PEI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Panhandle Index Future	PIS	PIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Rockies Index Future	RSI	RSI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Citygate Index Future	SCI	SCI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
HSC Index Future	SHS	SHS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois (Iinto) Index (Platts) Future	IRI	IRI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois-Z2 Index (Platts) Future	IZI	IZI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Leidy Index Future	YQI	YQI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 65 (Zone 3) Index Future	SIA	SIA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Border Index Future	SIS	SIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP San Juan Index Future	SNI	SNI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Sonat Index Future	SOI	SOI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO STX Index Future	SXI	SXI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO ELA Index Future	TEI	TEI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M1 30 Index Future	TMA	TMA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M2 Index Future (Receipts)	MB4	MB4	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee 500L Index Future	TFI	TFI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 4 300L Index Future	DMQ	DMQ	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TGT Zone 1 Index Future	TGI	TGI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TGP 800L Index Future	TSI	TSI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TCO Index Future	TIS	TIS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 45 (Zone 2) Index Future	TNI	TNI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (non NY) Index Future	TPI	TPI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 85 (Zone 4) Index Future	TRI	TRI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 5 Index Future	DKT	DKT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 0 Index Future	TZI	TZI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Waha Index Future	WAI	WAI	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
AB NIT Swing Future	ASS	ASS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Algonquin Citygates Swing Future	ALS	ALS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SW (Oklahoma) Swing Future	AOS	AOS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ANR SE (Louisiana) Swing Future	APS	APS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TCO Swing Future	CGS	CGS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02

### North American Financial Natural Gas - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block_EFS Fee (per lot)	
CIG Rockies Swing Future	CRS	CRS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Chicago Swing Future	CSS	CSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Centerpoint Swing Future	CTS	CTS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
CG-Mainline Swing Future	CGR	CGR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Demarc Swing Future	DES	DES	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Dominion South Swing Future	DSS	DSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Florida Gas Zone 3 Swing Future	FTS	FTS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Henry Swing Future	HHH	HHH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
HSC Swing Future	UCS	UCS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois (Into) Swing (Platts) Future	IRS	IRS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Iroquois-Z2 Swing (Platts) Future	IZS	IZS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Katy Swing Future	KTS	KTS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Lebanon Swing Future	LBN	LBN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Main Swing Future	MSS	MSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL Midcont Swing Future	MTS	MTS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Michcon Swing Future	NMS	NMS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Millennium East Pool Swing Future	MRC	MRC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NNG Ventura Swing Future	NNS	NNS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Surmas Swing Future	NSS	NSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL TXOK Swing Future	NTS	NTS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NGPL STX Swing Future	NXS	NXS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
ONEOK Gas Swing Future	ONS	ONS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
REX Zone 3 Swing Future	RES	RES	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Southern Star TX OK KS Swing Future	OUS	OUS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP Permian Swing Future	PES	PES	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
PG&E Citygate Swing Future	PIG	PIG	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Panhandle Swing Future	PSS	PSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
NWP Rockies Swing Future	RSS	RSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
EP San Juan Swing Future	SNS	SNS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Border Swing Future	SSS	SSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Socal Citygate Swing Future	SCS	SCS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Sonat Swing Future	SOS	SOS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 0 Swing Future	TZR	TZR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee Zone 4 300L Swing Future	DMS	DMS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Tennessee 500L Swing Future	TE5	TE5	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M2 Swing Future (Receipts)	BM3	BM3	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO M3 Swing Future	TSS	TSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TETCO STX Swing Future	SXC	SXC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
TGT Zone 1 Swing Future	TGS	TGS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Leidy Swing Future	YQS	YQS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 65 (Zone 3) Swing Future	SSA	SSA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Station 85 (Zone 4) Swing Future	TRW	TRW	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 5 Swing Future	DKS	DKS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (NY) Swing Future	ZSS	ZSS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Transco Zone 6 (non NY) Swing Future	TPS	TPS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02
Waha Swing Future	WAS	WAS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.02

### North American Financial Natural Gas Options - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block_EEO Fee (per lot)	
Option on Henry Penultimate Fixed Price Future	HNG	PHE	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Henry Penultimate Fixed Price Future	HNG	HHP	25,000 MMBtu	\$1.2825	\$4.94	\$5.20	\$2.85
Option on Henry LD4 Fixed Price Future	HNG	OHH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Year One Time Option on Henry Calendar Year One Time Fixed Price Future	HNG	HHC	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Henry LD1 Same Day Fixed Price Future	SDH	SDH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Spread Option on Henry Penultimate 1-Month Calendar Spread Future	HHM	HHM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Spread Option on Henry Penultimate 3-Month Calendar Spread Future	HMT	HMT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Spread Option on Henry Penultimate 4-Month Calendar Spread Future	HHR	HHR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Spread Option on Henry Penultimate 5-Month Calendar Spread Future	HHV	HHV	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Calendar Spread Option on Henry Penultimate 6-Month Calendar Spread Future	HMX	HMX	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Henry Swing Future	HHH	HHH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Panhandle Fixed Price Future	OPP	OPP	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Chicago Fixed Price Future	CFB	CFB	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Dominion Fixed Price Future	DSF	DSF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on EP San Juan Fixed Price Future	OPU	OPU	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Socal Fixed Price Future	OPS	OPS	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on NWP Rockies Fixed Price Future	FQR	FQR	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Waha Fixed Price Future	FQW	FQW	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on EP Permian Fixed Price Future	FQP	FQP	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on HSC Fixed Price Future	FQH	FQH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Michcon Fixed Price Future	FQM	FQM	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on TETCO M3 Fixed Price Future	FQT	FQT	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on AB NIT Fixed Price Future	FQN	FQN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Algonquin Citygates Fixed Price Future	ALG	ALG	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on CG Mainline Fixed Price Future	CGA	CGA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on CIG Rockies Fixed Price Future	CRA	CRA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Main Fixed Price Future	MAF	MAF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on NGPL Midcont Fixed Price Future	MCN	MCN	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on NGPL TXOK Fixed Price Future	NTH	NTH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on NNG Ventura Fixed Price Future	NNH	NNH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on REX Zone 3 Fixed Price Future	REH	REH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on TCO Fixed Price Future	TCF	TCF	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on PG&E Citygate Fixed Price Future	PGD	PGD	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30
Option on Transco Leidy Fixed Price Future	YQA	YQA	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30

## North American Financial Natural Gas Options - Cleared, Continued

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EEO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on Transco Zone 6 (non NY) Fixed Price Future	TPH	TPH	2500 MMBtu	\$0.135	\$0.52	\$0.52	\$0.30

### Payment (Cleared Transactions)

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed. ICE will rebate to Participant amounts collected in excess, if any, of the rates above within 30 days of the end of the month in which the Transaction was Executed.  
Minimum commission of \$600 per month per user (excludes NGX Products). \*\*excludes GLC - Gulf Coast LNG (Platts) Future

## US Financial Power - East - Monthly - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
PJM Daily Load Future	PDF	PDF	1 USD	\$1.000	\$3.50	\$3.50	\$1.00
ERCOT Daily Load Future	EDF	EDF	1 USD	\$1.000	\$3.50	\$3.50	\$1.00
NYISO In-City Capacity Calendar-Month Future	NYC	NYC	1000 KW	\$1.825	\$5.475	\$5.475	\$1.825
NYISO Lower Hudson Valley Capacity Fixed Price Future	NYU	NYU	1000 KW	\$1.825	\$5.475	\$5.475	\$1.825
NYISO Rest of the State Capacity Calendar-Month Future	NYR	NYR	1000 KW	\$1.825	\$5.475	\$5.475	\$1.825
PJM Western Hub Real-Time Peak Fixed Price Future	PJM	PJM	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM Western Hub Real-Time Peak Calendar Year One Time Fixed Price Future	PJM	PMX	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000

## US Financial Power - East - Monthly - Variable Sized - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size (MWh)*	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
ERCOT Capacity Responsive Reserve Future	ECR	ECR	730	\$1.825	\$5.475	\$5.475	\$1.825
ERCOT Non-Spinning Reserve Future	ENS	ENS	730	\$1.825	\$5.475	\$5.475	\$1.825
ERCOT Regulation UP Future	ERK	ERK	730	\$1.825	\$5.475	\$5.475	\$1.825
ERCOT Regulation DOWN Future	ERL	ERL	730	\$1.825	\$5.475	\$5.475	\$1.825
PJM Western Hub Real-Time Peak 50MW Fixed Price Future	PJM	PMJ	17000	\$42.500	\$85.000	\$85.000	\$42.500
PJM Western Hub Real-Time Peak Calendar Year One Time Fixed Price Future	PJM	PMX	340	\$0.850	\$1.700	\$1.700	\$0.850
PJM Western Hub Day-Ahead Peak Fixed Price Future	PJC	PJC	340	\$0.850	\$1.700	\$1.700	\$0.850
PJM Western Hub Real-Time 2x16 Peak Fixed Price Future	PW2	PW2	147	\$0.370	\$1.100	\$1.100	\$0.370
PJM Western Hub Real-Time Peak Mini Fixed Price Future	PJM	PMI	340	\$0.850	\$1.700	\$1.700	\$0.850
PJM AECO Zone Day-Ahead Peak Fixed Price Future	PTB	PTB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM AEP Dayton Hub Real-Time Peak Fixed Price Future	MSO	MSO	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM AEP Dayton Hub Day-Ahead Peak Fixed Price Future	ADB	ADB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM AEP Zone Day-Ahead Peak Fixed Price Future	PAS	PAS	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM APS Zone Day-Ahead Peak Fixed Price Future	PUB	PUB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM ATSI Zone Day-Ahead Peak Fixed Price Future	PAV	PAV	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM BGE Zone Day-Ahead Peak Fixed Price Future	BGY	BGY	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM ComEd Zone Day-Ahead Peak Fixed Price Future	CEP	CEP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM DAY Zone Day-Ahead Peak Fixed Price Future	DCP	DCP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM DEOK Zone Day-Ahead Peak Fixed Price Future	DEP	DEP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM DOM Day-Ahead Peak Fixed Price Future	DOP	DOP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM DPL Zone Day-Ahead Peak Fixed Price Future	PXB	PXB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM Duquesne Zone Day-Ahead Peak Fixed Price Future	PQB	PQB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM Eastern Hub Day-Ahead Peak Fixed Price Future	PEB	PEB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM FE Ohio Day-Ahead Peak Fixed Price Future	PFN	PFN	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM JCPCL Zone Day-Ahead Peak Fixed Price Future	JCB	JCB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM METED Zone Day-Ahead Peak Fixed Price Future	PMB	PMB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM NI Hub Real-Time Peak Fixed Price Future	PNL	PNL	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM NI Hub Day-Ahead Peak Fixed Price Future	NIB	NIB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PECO Zone Day-Ahead Peak Fixed Price Future	PCP	PCP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PENELEC Zone Day-Ahead Peak Fixed Price Future	PZB	PZB	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM Penn Power Day-Ahead Peak Fixed Price Future	PEP	PEP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PEPCO MD Day-Ahead Peak Fixed Price Future	PCR	PCR	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PEPCO Zone Day-Ahead Peak Month Fixed Price Future	PPF	PPF	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PPL Zone Day-Ahead Peak Fixed Price Future	PPP	PPP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM PSEG Day-Ahead Peak Fixed Price Future	PSA	PSA	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM Southimp Day-Ahead Peak Fixed Price Future	SIP	SIP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Arkansas Hub Day-Ahead Peak Fixed Price Future	ALP	ALP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO AMIL.BGS6 Day-Ahead Peak Fixed Price Future	BGA	BGA	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Indiana Hub Real-Time Peak Fixed Price Future	CIN	CIN	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Indiana Hub Day-Ahead Peak Fixed Price Future	MCC	MCC	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Illinois Hub Day-Ahead Peak Fixed Price Future	MLB	MLB	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Louisiana Hub Day-Ahead Peak Fixed Price Future	LFP	LFP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Minnesota Hub Day-Ahead Peak Fixed Price Future	MDP	MDP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Michigan Hub Day-Ahead Peak Fixed Price Future	MGP	MGP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Texas Hub Day-Ahead Peak Fixed Price Future	TDP	TDP	340	\$0.850	\$2.550	\$2.550	\$0.850
MISO Texas Hub Real-Time Peak Fixed Price Future	TPP	TPP	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT Houston 345KV Day-Ahead Peak Fixed Price Future	EKF	EKF	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT Houston 345KV Real-Time Peak Fixed Price Future	ERH	ERH	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT West 345KV Day-Ahead Peak Fixed Price Future	EKG	EKG	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT South 345KV Day-Ahead Peak Fixed Price Future	EKH	EKH	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT North 345KV Day-Ahead Peak Fixed Price Future	EVN	EVN	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT North 345KV Real-Time Peak Fixed Price Future	ERN	ERN	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT South 345KV Real-Time Peak Fixed Price Future	ERS	ERS	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT West 345KV Real-Time Peak Fixed Price Future	ERW	ERW	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT Houston Load Zone Real-Time Peak Fixed Price Future	EDH	EDH	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT Houston Load Zone Day-Ahead Peak Fixed Price Future	HZB	HZB	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT North 345KV Hub Real-Time 2x16 Peak Fixed Price Future	ER2	ER2	147	\$0.370	\$1.100	\$1.100	\$0.370

\*Average number of MWh per month

## US Financial Power - East - Monthly - Variable Sized - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size (MWh)*	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
ERCOT North Load Zone Real-Time Peak Fixed Price Future	EDN	EDN	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT North Load Zone Day-Ahead Peak Fixed Price Future	NZB	NZB	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT South Load Zone Real-Time Peak Fixed Price Future	EDS	EDS	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT South Load Zone Day-Ahead Peak Fixed Price Future	SZB	SZB	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT West Load Zone Real-Time Peak Fixed Price Future	EDW	EDW	340	\$0.850	\$2.550	\$2.550	\$0.850
ERCOT West Load Zone Day-Ahead Peak Fixed Price Future	WZB	WZB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England Connecticut Day-Ahead Peak Fixed Price Future	ICP	ICP	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England NE Massachusetts Day-Ahead Peak Fixed Price Future	INB	INB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England SE Massachusetts Day-Ahead Peak Fixed Price Future	IMB	IMB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England Maine Day-Ahead Peak Fixed Price Future	IEB	IEB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England New Hampshire Day-Ahead Peak Fixed Price Future	IHB	IHB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England West Central Massachusetts Day-Ahead Peak Fixed Price Future	IWB	IWB	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England Massachusetts Hub Day-Ahead Peak Fixed Price Future	NEP	NEP	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England Massachusetts Hub Day-Ahead Peak Calendar Year One Time Fixed Price Future	NEP	NEX	340	\$0.850	\$2.550	\$2.550	\$0.850
ISO New England Rhode Island Day-Ahead Peak Mini Fixed Price Future	RIY	RIY	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone A Day-Ahead Peak Fixed Price Future	NAY	NAY	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone B Day-Ahead Peak Fixed Price Future	ZBB	ZBB	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone C Day-Ahead Peak Fixed Price Future	ZCB	ZCB	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone D Day-Ahead Peak Fixed Price Mini Future	NDR	NDR	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone E Day-Ahead Peak Fixed Price Future	ZEB	ZEB	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone F Day-Ahead Peak Fixed Price Future	ZFB	ZFB	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone G Day-Ahead Peak Fixed Price Future	NGY	NGY	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone I Day-Ahead Peak Fixed Price Future	ZIK	ZIK	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone J Day-Ahead Peak Fixed Price Future	NJY	NJY	340	\$0.850	\$2.550	\$2.550	\$0.850
NYISO Zone K Day-Ahead Peak Fixed Price Future	ZKB	ZKB	340	\$0.850	\$2.550	\$2.550	\$0.850
SPP North Hub Day-Ahead Peak Fixed Price Future	FNP	FNP	340	\$0.850	\$2.550	\$2.550	\$0.850
SPP South Hub Day-Ahead Peak Fixed Price Future	FSP	FSP	340	\$0.850	\$2.550	\$2.550	\$0.850
PJM Western Hub Real-Time Off-Peak Fixed Price Future	OPJ	OPJ	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Western Hub Real-Time Off-Peak Calendar Year One Time Fixed Price Future	OPJ	PWC	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Western Hub Day-Ahead Off-Peak Fixed Price Future	PJD	PJD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM AECO Zone Day-Ahead Off-Peak Fixed Price Future	PTD	PTD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM AEP Dayton Hub Day-Ahead Off-Peak Fixed Price Future	ADD	ADD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM AEP Dayton Hub Real-Time Off-Peak Fixed Price Future	AOD	AOD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM AEP Zone Real-Time Off-Peak Mini Fixed Price Future	PAT	PAT	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM APS Zone Day-Ahead Off-Peak Fixed Price Future	PUD	PUD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM ATSI Zone Day-Ahead Off-Peak Fixed Price Future	PAW	PAW	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM BGE Zone Day-Ahead Off-Peak Fixed Price Future	BGZ	BGZ	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM ComEd Zone Day-Ahead Off-Peak Fixed Price Future	CEO	CEO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM DAY Zone Day-Ahead Off-Peak Fixed Price Future	DCO	DCO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM DEOK Zone Day-Ahead Off-Peak Fixed Price Future	DEO	DEO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM DOM Day-Ahead Off-Peak Fixed Price Future	DOO	DOO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM DPL Zone Day-Ahead Off-Peak Fixed Price Future	PXD	PXD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Duquesne Zone Day-Ahead Off-Peak Fixed Price Future	PQD	PQD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Eastern Hub Day-Ahead Off-Peak Fixed Price Future	PED	PED	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM FE Ohio Real-Time Off-Peak Mini Fixed Price Future	PFO	PFO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM JCPL Zone Day-Ahead Off-Peak Fixed Price Future	JCD	JCD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM METED Zone Day-Ahead Off-Peak Fixed Price Future	PMD	PMD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM NI Hub Day-Ahead Off-Peak Fixed Price Future	NID	NID	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM NI Hub Real-Time Off-Peak Fixed Price Future	NIO	NIO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PECO Zone Day-Ahead Off-Peak Fixed Price Future	PCO	PCO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PENELEC Zone Day-Ahead Off-Peak Fixed Price Future	PZD	PZD	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Penn Power Day-Ahead Off-Peak Fixed Price Future	PEO	PEO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PEPCO MD Day-Ahead Off-Peak Fixed Price Future	PCQ	PCQ	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PEPCO Zone Day-Ahead Off-Peak Fixed Price Future	PPH	PPH	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PPL Zone Day-Ahead Off-Peak Fixed Price Future	PPO	PPO	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM PSEG Day-Ahead Off-Peak Fixed Price Future	PSB	PSB	390	\$0.975	\$2.925	\$2.925	\$0.975
PJM Southimp Day-Ahead Off-Peak Fixed Price Future	SIO	SIO	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Arkansas Hub Day-Ahead Off-Peak Fixed Price Future	ALO	ALO	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO AMILBGS6 Day-Ahead Off-Peak Fixed Price Future	BGB	BGB	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Indiana Hub Day-Ahead Off-Peak Fixed Price Future	MCD	MCD	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Indiana Hub Real-Time Off-Peak Fixed Price Future	CPO	CPO	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Illinois Hub Day-Ahead Off-Peak Fixed Price Future	MLD	MLD	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Louisiana Hub Day-Ahead Off-Peak Fixed Price Future	LFO	LFO	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Minnesota Hub Day-Ahead Off-Peak Fixed Price Future	MDO	MDO	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Michigan Hub Day-Ahead Off-Peak Fixed Price Future	MGQ	MGQ	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Texas Hub Day-Ahead Off-Peak Fixed Price Future	TDQ	TDQ	390	\$0.975	\$2.925	\$2.925	\$0.975
MISO Texas Hub Real-Time Off-Peak Fixed Price Future	TPO	TPO	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT Houston 345KV Day-Ahead Off-Peak Fixed Price Future	EKI	EKI	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT West 345KV Day-Ahead Off-Peak Fixed Price Future	EKJ	EKJ	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT South 345KV Day-Ahead Off-Peak Fixed Price Future	EKK	EKK	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT Houston 345KV Real-Time Off-Peak Fixed Price Future	HEB	HEB	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT Houston Load Zone Real-Time Off-Peak Fixed Price Future	OEH	OEH	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT Houston Load Zone Day-Ahead Off-Peak Fixed Price Future	HZD	HZD	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT North 345KV Real-Time Off-Peak Fixed Price Future	NEB	NEB	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT North 345KV Day-Ahead Off-Peak Fixed Price Future	NEV	NEV	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT North Load Zone Real-Time Off-Peak Fixed Price Future	OEN	OEN	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT North Load Zone Day-Ahead Off-Peak Fixed Price Future	NZD	NZD	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT South 345KV Real-Time Off-Peak Fixed Price Future	SEB	SEB	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT South Load Zone Real-Time Off-Peak Fixed Price Future	OES	OES	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT South Load Zone Day-Ahead Off-Peak Fixed Price Future	SZD	SZD	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT West 345KV Real-Time Off-Peak Fixed Price Future	WEB	WEB	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT West Load Zone Real-Time Off-Peak Fixed Price Future	OEW	OEW	390	\$0.975	\$2.925	\$2.925	\$0.975
ERCOT West Load Zone Day-Ahead Off-Peak Fixed Price Future	WZD	WZD	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England Connecticut Day-Ahead Off-Peak Fixed Price Future	ICO	ICO	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England Massachusetts Hub Day-Ahead Off-Peak Fixed Price Future	NOP	NOP	390	\$0.975	\$2.925	\$2.925	\$0.975

## US Financial Power - East - Monthly - Variable Sized - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size (MWh)*	Futures Fee (per lot)	Screen Fee (per lot)	Block, EFS Fee (per lot)	
ISO New England NE Massachusetts Day-Ahead Off-Peak Fixed Price Future	IND	IND	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England SE Massachusetts Day-Ahead Off-Peak Fixed Price Future	IMD	IMD	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England Maine Day-Ahead Off-Peak Fixed Price Future	IED	IED	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England New Hampshire Day-Ahead Off-Peak Fixed Price Future	IHD	IHD	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England West Central Massachusetts Day-Ahead Off-Peak Fixed Price Future	IWD	IWD	390	\$0.975	\$2.925	\$2.925	\$0.975
ISO New England Rhode Island Day-Ahead Off-Peak Mini Fixed Price Future	RIZ	RIZ	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone A Day-Ahead Off-Peak Fixed Price Future	AOP	AOP	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone B Day-Ahead Off-Peak Fixed Price Future	ZBD	ZBD	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone C Day-Ahead Off-Peak Fixed Price Future	ZCD	ZCD	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone D Day-Ahead Off-Peak Fixed Price Future	NDS	NDS	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone E Day-Ahead Off-Peak Fixed Price Future	ZED	ZED	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone F Day-Ahead Off-Peak Fixed Price Future	ZFD	ZFD	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone G Day-Ahead Off-Peak Fixed Price Future	NGO	NGO	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone I Day-Ahead Off-Peak Fixed Price Future	ZIL	ZIL	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone J Day-Ahead Off-Peak Fixed Price Future	NJO	NJO	390	\$0.975	\$2.925	\$2.925	\$0.975
NYISO Zone K Day-Ahead Off-Peak Fixed Price Future	ZKD	ZKD	390	\$0.975	\$2.925	\$2.925	\$0.975
SPP North Hub Day-Ahead Off-Peak Fixed Price Future	FNO	FNO	390	\$0.975	\$2.925	\$2.925	\$0.975
SPP South Hub Day-Ahead Off-Peak Fixed Price Future	FSO	FSO	390	\$0.975	\$2.925	\$2.925	\$0.975

\*Average number of MWh per month

## US Financial Power - East - Daily - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU	ICE Clear EU	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Screen Fee (per lot)	Block, EFS Fee (per lot)	
PJM Western Hub Real-Time Peak Daily Fixed Price Future	PDP	PDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM Western Hub Real-Time Peak Daily Look Back Fixed Price Future	PDP	PDQ	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM Western Hub Real-Time Peak Weekly Future	PJH	PJH	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM Western Hub Day-Ahead Peak Daily Fixed Price Future	PDA	PDA	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM AEP Dayton Hub Real-Time Peak Daily Look Back Fixed Price Future	DDO	DDO	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM AEP Dayton Hub Real-Time Peak Daily Fixed Price Future	DDP	DDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM AEP Zone Day-Ahead Peak Daily Fixed Price Future	PAH	PAH	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM ATSI Zone Day-Ahead Peak Daily Fixed Price Future	PAK	PAK	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM FE Ohio Day-Ahead Peak Daily Fixed Price Future	PFJ	PFJ	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM NI Hub Real-Time Peak Daily Fixed Price Future	NDP	NDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Arkansas Hub Day-Ahead Peak Daily Fixed Price Future	MRD	MRD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Indiana Hub Day-Ahead Peak Daily Fixed Price Future	MDA	MDA	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Indiana Hub Real-Time Peak Daily Look Back Fixed Price Future	IDO	IDO	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Indiana Hub Real-Time Peak Daily Fixed Price Future	IDP	IDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Louisiana Hub Day-Ahead Peak Daily Fixed Price Daily Future	MLQ	MLQ	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
MISO Texas Hub Day-Ahead Peak Daily Fixed Price Daily Future	MDR	MDR	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ERCOT Houston 345KV Real-Time Peak Daily Fixed Price Future	EHD	EHD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ERCOT North 345KV Hub Real-Time Peak Daily Look Back Fixed Price Future	ENO	ENO	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ERCOT North 345KV Real-Time Peak Daily Fixed Price Future	END	END	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ERCOT South 345KV Real-Time Peak Daily Fixed Price Future	ESD	ESD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ERCOT West 345KV Real-Time Peak Daily Fixed Price Future	EWD	EWD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ISO New England Massachusetts Hub Day-Ahead Peak Daily Fixed Price Future	EDP	EDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
ISO New England Massachusetts Hub Real Time Peak Daily Fixed Price Future	NMD	NMD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone A Day-Ahead Peak Daily Fixed Price Future	ADP	ADP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone C Day-Ahead LBMP Peak Daily Fixed Price Future	NCP	NCP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone F Day-Ahead LBMP Peak Daily Fixed Price Future	NFP	NFP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone G Day-Ahead Peak Daily Fixed Price Future	GDP	GDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone J Day-Ahead Peak Daily Fixed Price Future	JDP	JDP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone K Day-Ahead Daily Peak Fixed Price Future	NKP	NKP	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone A Real Time Peak Daily Fixed Price Future	NRR	NRR	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone D Day Ahead Peak Daily Fixed Price Future	NDL	NDL	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
NYISO Zone G Real Time Peak Daily Fixed Price Future	NRN	NRN	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
SPP North Hub Day-Ahead Peak Daily Fixed Price Future	SNR	SNR	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
SPP North Hub Real Time Peak Daily Fixed Price Future	SPW	SPW	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
SPP South Hub Day-Ahead Peak Daily Fixed Price Future	SPD	SPD	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
SPP South Hub Real Time Peak Daily Fixed Price Future	SSR	SSR	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
PJM Western Hub Real-Time Off-Peak Daily Fixed Price Future	ODP	ODP	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM Western Hub Day-Ahead Off-Peak Daily Fixed Price Future	PDO	PDO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM AEP Dayton Hub Real-Time Off-Peak Daily Fixed Price Future	ADO	ADO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM AEP Zone Day-Ahead Off-Peak Daily Fixed Price Future	PAI	PAI	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM ATSI Zone Day-Ahead Off-Peak Fixed Price Future	PAL	PAL	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM FE Ohio Day-Ahead Off-Peak Daily Fixed Price Future	PFK	PFK	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
PJM NI Hub Real-Time Off-Peak Daily Fixed Price Future	NDO	NDO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
MISO Arkansas Hub Day-Ahead Off-Peak Daily Fixed Price Future	MRE	MRE	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
MISO Indiana Hub Real-Time Off-Peak Daily Fixed Price Future	IOP	IOP	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
MISO Indiana Hub Day-Ahead Off-Peak Daily Fixed Price Future	MOD	MOD	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
MISO Louisiana Hub Day-Ahead Off-Peak Fixed Price Daily Future	MLR	MLR	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
MISO Texas Hub Day-Ahead Off-Peak Daily Fixed Price Future	MDS	MDS	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
ERCOT Houston 345KV Real-Time Off-Peak Daily Fixed Price Future	HED	HED	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
ERCOT North 345KV Real-Time Off-Peak Daily Fixed Price Future	NED	NED	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
ERCOT South 345KV Real-Time Off-Peak Daily Fixed Price Future	SED	SED	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
ERCOT West 345KV Real-Time Off-Peak Daily Fixed Price Future	WED	WED	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
ISO New England Massachusetts Hub Day-Ahead Off-Peak Daily Fixed Price Future	POP	POP	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone A Day-Ahead Off-Peak Daily Fixed Price Future	APO	APO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone C Day-Ahead LBMP Off-Peak Daily Fixed Price Future	NCO	NCO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone F Day-Ahead LBMP Off-Peak Daily Fixed Price Future	NFO	NFO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone G Day-Ahead Off-Peak Daily Fixed Price Future	NOD	NOD	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone J Day-Ahead Off-Peak Daily Fixed Price Future	NOJ	NOJ	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone K Day-Ahead Daily Off-Peak Fixed Price Future	NKO	NKO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone A Real Time Off-Peak Daily Fixed Price Future	NRS	NRS	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
NYISO Zone D Real Time Off-Peak Daily Fixed Price Future	NDM	NDM	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12

### US Financial Power - East - Daily - Cleared, Continued

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
NYISO Zone G Real Time Off-Peak Daily Fixed Price Future	NRQ	NRQ	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
SPP North Hub Day-Ahead Off-Peak Daily Fixed Price Future	SNO	SNO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
SPP North Hub Real Time Off-Peak Daily Fixed Price Future	SPX	SPX	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
SPP South Hub Day-Ahead Off-Peak Daily Fixed Price Future	SPF	SPF	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12
SPP South Hub Real-Time Off-Peak Daily Fixed Price Future	SSO	SSO	50 MWh	\$0.125	\$0.245	\$0.245	\$0.12

### US Financial Power - East - Daily - Mini - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
PJM AEP Dayton Hub Day-Ahead Peak Daily Fixed Price Future	ADA	ADA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM Eastern Hub Day-Ahead Peak Daily Fixed Price Future	PEA	PEA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM NI Hub Day-Ahead Peak Daily Fixed Price Future	NIA	NIA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM PEPCO Zone Day-Ahead Peak Daily Fixed Price Future	PPE	PPE	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM PSEG Day-Ahead Peak Daily Fixed Price Future	PSC	PSC	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM JCP L Zone Day-Ahead Peak Daily Fixed Price Future	JCA	JCA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT Houston 345KV Hub Day-Ahead Peak Daily Fixed Price Future	HEA	HEA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT Houston Load Zone Day-Ahead Peak Daily Fixed Price Future	HZA	HZA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT North 345KV Hub Day-Ahead Peak Daily Fixed Price Future	NDA	NDA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT North Load Zone Day-Ahead Peak Daily Fixed Price Future	NZA	NZA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT South 345KV Hub Day-Ahead Peak Daily Fixed Price Future	SEA	SEA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT South Load Zone Day-Ahead Peak Daily Fixed Price Future	SZA	SZA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT West 345KV Hub Day-Ahead Peak Daily Fixed Price Future	WEA	WEA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
ERCOT West Load Zone Day-Ahead Peak Daily Fixed Price Future	WZA	WZA	16 MWh	\$0.040	\$0.080	\$0.080	\$0.040
PJM AECO Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PME	PME	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM BGE Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PMN	PMN	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM COMED Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PDV	PDV	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM DEOK Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PPF	PPF	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM Meted Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PFR	PFR	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM Peco Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PFT	PFT	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM PPL Zone Day-Ahead Peak Daily 80 MWh Fixed Price Future	PMV	PMV	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
ERCOT North 345KV Hub Day-Ahead Peak Daily 80 MWh Fixed Price Future	NDB	NDB	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
MISO Michigan Hub Day-Ahead Peak Daily Fixed Price Future	MIL	MIL	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
MISO Minnesota Hub Day-Ahead Peak Daily Fixed Price Future	MDN	MDN	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
MISO AMIL.BGS6 Day-Ahead Peak Daily Fixed Price Future	MAA	MAA	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
PJM AEP Dayton Hub Day-Ahead Off-Peak Daily Fixed Price Future	ADC	ADC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM Eastern Hub Day-Ahead Off-Peak Daily Fixed Price Future	PEC	PEC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM NI Hub Day-Ahead Off-Peak Daily Fixed Price Future	NIC	NIC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM PEPCO Zone Day-Ahead Off-Peak Daily Fixed Price Future	PPG	PPG	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM PSEG Day-Ahead Off-Peak Daily Fixed Price Future	PSD	PSD	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM JCP L Zone Day-Ahead Off-Peak Daily Fixed Price Future	JCC	JCC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM AECO Zone Day-Ahead Off-Peak Daily Fixed Price Future	PMF	PMF	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM BGE Zone Day-Ahead Off-Peak Daily Fixed Price Future	PMT	PMT	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM COMED Zone Day-Ahead Off-Peak Daily Fixed Price Future	PDW	PDW	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM DEOK Zone Day-Ahead Off-Peak Daily Fixed Price Future	PFQ	PFQ	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM Meted Zone Day-Ahead Off-Peak Daily Fixed Price Future	PFS	PFS	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM Peco Zone Day-Ahead Off-Peak Daily Fixed Price Future	PFU	PFU	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
PJM PPL Zone Day-Ahead Off-Peak Daily Fixed Price Future	PMW	PMW	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT Houston 345KV Hub Day-Ahead Off-Peak Daily Fixed Price Future	HEC	HEC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT Houston Load Zone Day-Ahead Off-Peak Daily Fixed Price Future	HZC	HZC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT North 345KV Hub Day-Ahead Off-Peak Daily Fixed Price Future	NDC	NDC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT North Load Zone Day-Ahead Off-Peak Daily Fixed Price Future	NZC	NZC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT South 345KV Hub Day-Ahead Off-Peak Daily Fixed Price Future	SEC	SEC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT South Load Zone Day-Ahead Off-Peak Daily Fixed Price Future	SZC	SZC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT West 345KV Hub Day-Ahead Off-Peak Daily Fixed Price Future	WEC	WEC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
ERCOT West Load Zone Day-Ahead Off-Peak Daily Fixed Price Future	WZC	WZC	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
MISO Michigan Hub Day-Ahead Off-Peak Daily Fixed Price Future	MIM	MIM	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
MISO Minnesota Hub Day-Ahead Off-Peak Daily Fixed Price Future	MDQ	MDQ	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012
MISO AMIL.BGS6 Day-Ahead Off-Peak Daily Fixed Price Future	MAB	MAB	5 MWh	\$0.0125	\$0.0245	\$0.0245	\$0.012

### US Financial Power Options - East - Monthly - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on PJM Western Hub Real-Time Peak Fixed Price Future	PJM	PJM	800 MWh	\$2.000	\$4.000	\$4.000	\$2.000
Option on PJM Western Hub Real-Time Peak 50MW Fixed Price Future	PJM	PMJ	50 MW	\$42.500	\$85.000	\$85.000	\$42.500
Calendar One Time Option on PJM Western Hub Real-Time Peak Calendar Year One Time Fixed Price Future	PJM	PMX	800 MWh	\$2.000	\$2.000	\$2.000	\$1.000

### US Financial Power Options - East - Daily - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on PJM PSEG Day-Ahead Peak Daily Fixed Price Future	PSC	PSC	16 MWh	\$0.50	\$1.00	\$1.00	\$0.50
Option on PJM Western Hub Day-Ahead Peak Daily Fixed Price Future	PDA	PDA	800 MWh	\$2.00	\$4.00	\$4.00	\$1.00
Option on PJM Western Hub Real-Time Peak Daily Look Back Fixed Price Future	PDP	PDQ	800 MWh	\$2.00	\$4.00	\$4.00	\$1.00
Option on PJM Western Hub Real-Time Peak Weekly Future	PJH	PJH	800 MWh	\$2.00	\$4.00	\$4.00	\$1.00
Option on PJM AEP Dayton Hub Real-Time Peak Daily Look Back Fixed Price Future	DDO	DDO	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00
Option on ERCOT North 345KV Hub Real-Time Peak Daily Look Back Fixed Price Future	ENO	ENO	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00

## US Financial Power Options - East - Monthly - Variable Sized - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size (MWh)*	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on ERCOT North 345KV Day-Ahead Peak Daily 80MWh Fixed Price Future	NDB	NDB	80 MWh	\$0.200	\$0.400	\$0.400	\$0.200
Option on MISO Indiana Hub Real-Time Peak Daily Look Back Fixed Price Future	IDO	IDO	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00
Option on NYISO Zone A Day-Ahead Peak Daily Fixed Price Future	ADP	ADP	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00
Option on NYISO Zone G Day-Ahead Peak Daily Fixed Price Future	GDP	GDP	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00
Option on ISO New England Massachusetts Hub Day-Ahead Peak Daily Fixed Price Future	EDP	EDP	800 MWh	\$2.00	\$4.00	\$4.00	\$2.00
Option on PJM Western Hub Real-Time Off-Peak Daily Fixed Price Future	ODP	OD8	50 MWh	\$0.125	\$0.245	\$0.245	\$0.120
Option on PJM Western Hub Real-Time Peak Mini Fixed Price Future	PJM	PMI	340	\$0.850	\$1.700	\$1.700	\$0.850
Average Price Option on PJM Western Hub Real-Time Peak Monthly Future	PJM	PJG	340	\$0.850	\$1.700	\$1.700	\$0.850
Average Price Option on PJM Western Hub Day-Ahead Peak Monthly Future	PJC	PJF	340	\$0.850	\$1.700	\$1.700	\$0.850
Calendar One Time Option on PJM Western Hub Real-Time Peak Calendar Year One Time Mini Fixed Price Future	PJM	PMM	340	\$0.850	\$0.850	\$0.850	\$0.425
Option on PJM WH Real-Time Peak Cal 1X Fixed Price Future	P1X	P1X	4080	\$10.200	\$10.200	\$10.200	\$5.10
Option on PJM AEP Dayton Hub Real-Time Peak Fixed Price Future	MSO	MSO	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM PSEG Day-Ahead Peak Fixed Price Future	PSA	PSA	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM PPL Zone Day-Ahead Peak Fixed Price Future	PPP	PPP	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM PEPCO Zone Day-Ahead Peak Fixed Price Future	PPF	PPF	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM PEPCO Zone Day-Ahead Peak Fixed Price Future	PCP	PCP	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM BGE Zone Day-Ahead Peak Fixed Price Future	BGY	BGY	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on ERCOT North 345KV Day-Ahead Peak Fixed Price Future	EVN	EVN	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on ERCOT North 345KV Real-Time Peak Fixed Price Future	ERN	ERN	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on MISO Indiana Hub Real-Time Peak Fixed Price Future	CIN	CIN	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on ISO New England Massachusetts Hub Day-Ahead Peak Fixed Price Future	NEP	NEP	340	\$0.850	\$2.550	\$2.550	\$0.850
Calendar One Time Option on ISO New England Massachusetts Hub Day-Ahead Peak Calendar Year One Time Fixed Price Future	NEP	NEX	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on NYISO Zone A Day-Ahead Peak Fixed Price Future	NAY	NAY	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on NYISO Zone G Day-Ahead Peak Fixed Price Future	NGY	NGY	340	\$0.850	\$2.550	\$2.550	\$0.850
Option on PJM Western Hub Real-Time Off-Peak Fixed Price Future	OPJ	OPJ	390	\$0.975	\$2.925	\$2.925	\$0.975
Option on PJM Western Hub Real-Time Off-Peak Calendar Year One Time Mini Fixed Price Future	POX	POX	390	\$0.975	\$2.925	\$2.925	\$0.975
Calendar One Time Option on PJM Western Hub Real-Time Off-Peak Calendar Year One Time Fixed Price Future	OPJ	PWC	390	\$0.975	\$2.925	\$2.925	\$0.975
Option on PJM AEP Dayton Hub Real-Time Off-Peak Fixed Price Future	AOD	AOD	390	\$0.975	\$2.925	\$2.925	\$0.975

\*Average number of MWh per month

## US Financial Power - West - Monthly - Variable Sized - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size (MWh)*	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Mid-Columbia Day-Ahead Peak Fixed Price Future	MDC	MDC	410	\$1.025	\$3.075	\$3.075	\$1.025
CAISO NP-15 Day-Ahead Peak Fixed Price Future	NPM	NPM	410	\$1.025	\$3.075	\$3.075	\$1.025
CAISO NP-15 Day-Ahead Peak Fixed Price Future	CNF	CNF	410	\$1.025	\$3.075	\$3.075	\$1.025
CAISO SP-15 Day-Ahead Peak Fixed Price Future	CNG	CNG	410	\$1.025	\$3.075	\$3.075	\$1.025
CAISO SP-15 Day-Ahead Peak Fixed Price Future	SPM	SPM	410	\$1.025	\$3.075	\$3.075	\$1.025
Palo Verde Day-Ahead Peak Fixed Price Future	PVM	PVM	410	\$1.025	\$3.075	\$3.075	\$1.025
Mid-Columbia Day-Ahead Off-Peak Fixed Price Future	OMC	OMC	320	\$0.800	\$2.400	\$2.400	\$0.800
CAISO NP-15 Day-Ahead Off-Peak Fixed Price Future	ONP	ONP	320	\$0.800	\$2.400	\$2.400	\$0.800
CAISO SP-15 Day-Ahead Off-Peak Fixed Price Future	OFFP	OFFP	320	\$0.800	\$2.400	\$2.400	\$0.800
Palo Verde Day-Ahead Off-Peak Fixed Price Future	OVP	OVP	320	\$0.800	\$2.400	\$2.400	\$0.800

\*Average number of MWh per month

## US Financial Power - West - Daily - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Mid-Columbia Day-Ahead Peak Daily Fixed Price Future	MPD	MPD	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO Malin Day-Ahead Peak Daily Fixed Price Future	CCL	CCL	400 MWh	\$1.00	\$2.00	\$2.00	\$1.00
CAISO NP-15 Day-Ahead Peak Daily Fixed Price Future	DPN	DPN	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO NP-15 Fifteen Minute Marker Peak Daily Fixed Price Future	CIP	CIP	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO NP-15 Real-Time Peak Daily Fixed Price Future	NRP	NRP	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO NP-15 Peak Daily HE 0900-1600 Fixed Price Future	CAD	CAD	200 MWh	\$0.500	\$1.00	\$1.00	\$0.50
CAISO SP-15 Peak Daily HE 0900-1600 Fixed Price Future	CAE	CAE	200 MWh	\$0.500	\$1.00	\$1.00	\$0.50
Palo Verde Day-Ahead Peak Daily Fixed Price Future	VDP	VDP	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00

## US Financial Power - West - Daily - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
CAISO SP-15 Day-Ahead Peak Daily Fixed Price Future	SDP	SDP	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO SP-15 Fifteen Minute Marker Peak Daily Fixed Price Future	CSY	CSY	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO SP-15 Real-Time Peak Daily Fixed Price Future	SRP	SRP	400 MWh	\$1.000	\$2.00	\$2.00	\$1.00
CAISO Palo Verde Day-Ahead Peak Daily Fixed Price Future	CPC	CPC	16 MWh	\$0.040	\$0.08	\$0.08	\$0.04
Mid-Columbia Day-Ahead Off-Peak Daily Fixed Price Future	MXO	MXO	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO NP-15 Day-Ahead Off-Peak Daily Fixed Price Future	UNP	UNP	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO NP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future	CIQ	CIQ	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO NP-15 Real-Time Off-Peak Daily Fixed Price Future	NRO	NRO	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
Palo Verde Day-Ahead Off-Peak Daily Future	QVP	QVP	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO SP-15 Day-Ahead Off-Peak Daily Fixed Price Future	SOP	SOP	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO SP-15 Fifteen Minute Marker Off-Peak Daily Fixed Price Future	CSZ	CSZ	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06
CAISO SP-15 Real-Time Off-Peak Daily Fixed Price Future	SRO	SRO	25 MWh	\$0.0625	\$0.1225	\$0.1225	\$0.06





## US Financial Power Options - West - Daily - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on CAISO NP-15 Day-Ahead Peak Daily Fixed Price Future	DPN	DPN	400 MWh	\$1.00	\$2.00	\$2.00	\$1.00
Option on CAISO SP-15 Day-Ahead Peak Daily Fixed Price Future	SDP	SDP	400 MWh	\$1.00	\$2.00	\$2.00	\$1.00
Option on Mid-Columbia Day-Ahead Peak Daily Fixed Price Future	MPD	MPD	400 MWh	\$1.00	\$2.00	\$2.00	\$1.00

## US Financial Power Options - West - Monthly - Variable Sized - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on Mid-Columbia Day-Ahead Peak Fixed Price Future	MDC	MDC	410	\$1.025	\$3.075	\$3.075	\$1.025
Option on CAISO NP-15 Day-Ahead Peak Fixed Price Future	NPM	NPM	410	\$1.025	\$3.075	\$3.075	\$1.025
Option on CAISO SP-15 Day-Ahead Peak Fixed Price Future	SPM	SPM	410	\$1.025	\$3.075	\$3.075	\$1.025
Option on Palo Verde Day-Ahead Peak Fixed Price Future	PVM	PVM	410	\$1.025	\$3.075	\$3.075	\$1.025
Option on Mid-Columbia Day-Ahead Off-Peak Fixed Price Future	OMC	OMC	320	\$0.800	\$2.400	\$2.400	\$0.800
Option on CAISO SP-15 Day-Ahead Off-Peak Fixed Price Future	OFF	OFF	320	\$0.800	\$2.400	\$2.400	\$0.800

## US Financial Power - Cleared

Payment (Cleared Transactions)

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed. ICE will rebate to Participant amounts collected in excess, if any, of the rates above within 30 days of the end of the month in which the Transaction was Executed.

Minimum commission of \$600 per month per user.

## Physical Environmental - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFP	Delivery Fee (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
California Carbon Allowance Future - Vintage 2013 - Vintage 2014 - Vintage 2015 - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021	CAL CAM CAN CAO CAP CAW CAX CAY CAZ	CAL CAM CAN CAO CAP CAW CAX CAY CAZ	1,000 Allowances	\$2.00	\$3.00	\$3.00	\$5.00
California Carbon Allowance Vintage Specific Future - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022	CA7 CA8 CA9 CC0 CC1 CC2	CA7 CA8 CA9 CC0 CC1 CC2	1,000 Allowances	\$2.00	\$3.00	\$3.00	\$5.00
Regional Greenhouse Gas Initiative Future	RGM RGN RGO RGP RGQ RGR RGS RGT	RGM RGN RGO RGP RGQ RGR RGS RGT	1,000 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Carbon Financial Instrument, United States, Future	CFS	CFS	1,000 mt	\$2.00	\$2.50	\$2.50	\$5.00
Connecticut Compliance Renewable Energy Certificate Class 1 Future	CTT	CTT	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
Connecticut Compliance Renewable Energy Certificates Class 1 Future - Vintage 2015 - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	CC5 CC6 CC7 CC8 CC9 CR0 CR1 CR2 CR3	CC5 CC6 CC7 CC8 CC9 CR0 CR1 CR2 CR3	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
Maryland Compliance Renewable Energy Credit Tier 1 Future	MDE	MDE	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
Maryland Renewable Energy Certificates Class 1 Future - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	MC6 MC7 MC8 MC9 MC0 MC1 MC2 MC3	MC6 MC7 MC8 MC9 MC0 MC1 MC2 MC3	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
Maryland Solar Renewable Energy Credit Future	MDX	MDX	10 MWh	\$0.25	\$0.50	\$0.50	\$0.75
Maryland Solar Renewable Energy Certificates Future - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	MD7 MD8 MD9 MD0 MD1 MD2 MD3	MD7 MD8 MD9 MD0 MD1 MD2 MD3	10 MWh	\$0.25	\$0.50	\$0.50	\$0.75
Massachusetts Compliance Renewable Energy Certificate Class 1 Future	MCL	MCL	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
Massachusetts Compliance Renewable Energy Certificates Class 1 Future - Vintage 2015 - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	MB6 MB7 MB8 MB9 MB0 MB1 MB2 MB3	MB6 MB7 MB8 MB9 MB0 MB1 MB2 MB3	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
Massachusetts Solar Renewable Energy Certificate Carve Out 1 Future	MSF	MSF	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00

Physical Environmental - Cleared (Continued)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFP	Delivery Fee (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Massachusetts Solar Renewable Energy Certificate Carve Out II Future - Vintage 2015	MS2	MS2	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
Massachusetts Solar Renewable Energy Certificates Future - Vintage 2016	MQ6	MQ6	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
- Vintage 2017	MQ7	MQ7					
- Vintage 2018	MQ8	MQ8					
- Vintage 2019	MQ9	MQ9					
- Vintage 2020	MQ0	MQ0					
- Vintage 2021	MQ1	MQ1					
- Vintage 2022	MQ2	MQ2					
Massachusetts Solar Renewable Energy Certificates Carve Out II Future - Vintage 2023	MQ3	MQ3					
Massachusetts Solar Renewable Energy Certificates Carve Out II Future - Vintage 2016	MA7	MA7	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
- Vintage 2017	MA8	MA8					
- Vintage 2018	MA9	MA9					
- Vintage 2019	MA0	MA0					
- Vintage 2020	MA1	MA1					
- Vintage 2021	MA2	MA2					
- Vintage 2022	MA3	MA3					
NEPOOL Dual Qualified Compliance Renewable Energy Certificate Class I Future	NER	NER	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
NEPOOL Dual Qualified Class 1 Renewable Energy Certificates Future - Vintage 2016	NE6	NE6	100 MWh	\$1.50	\$2.00	\$2.00	\$3.50
- Vintage 2017	NE7	NE7					
- Vintage 2018	NE8	NE8					
- Vintage 2019	NE9	NE9					
- Vintage 2020	NE0	NE0					
- Vintage 2021	NE1	NE1					
- Vintage 2022	NE2	NE2					
- Vintage 2023	NE3	NE3					
New Jersey Compliance Renewable Energy Certificate Class I Future	NJN	NJN	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
New Jersey Compliance Renewable Energy Certificates Class 1 Future - Vintage 2015	NCS	NCS	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
- Vintage 2016	NCT	NCT					
- Vintage 2017	NCU	NCU					
- Vintage 2018	NCV	NCV					
- Vintage 2019	NCW	NCW					
- Vintage 2020	NCX	NCX					
- Vintage 2021	NCY	NCY					
- Vintage 2023	NCZ	NCZ					
New Jersey Solar Renewable Energy Certificate Future	NPS	NPS	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
New Jersey Solar Renewable Energy Certificate Prior Year Future	NPR	NPR	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
New Jersey Solar Renewable Energy Certificate Future - Vintage 2013	NJF	NJF	10 MWh	\$2.00	\$3.00	\$3.00	\$5.00
- Vintage 2014	NJG	NJG					
- Vintage 2015	NJH	NJH					
- Vintage 2016	NJI	NJI					
- Vintage 2017	NJJ	NJJ					
- Vintage 2018	NJK	NJK					
- Vintage 2019	NJL	NJL					
- Vintage 2020	NJ1	NJ1					
- Vintage 2021	NJ2	NJ2					
- Vintage 2022	NJ3	NJ3					
- Vintage 2023							
Pennsylvania Compliance Alternative Energy Credit Tier I Future	PAR	PAR	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
Pennsylvania Renewable Energy Certificates Class 1 Future - Vintage 2016	PC6	PC6	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
- Vintage 2017	PC7	PC7					
- Vintage 2018	PC8	PC8					
- Vintage 2019	PC9	PC9					
- Vintage 2020	PC0	PC0					
- Vintage 2021	PC1	PC1					
- Vintage 2022	PC2	PC2					
- Vintage 2023	PC3	PC3					
Pennsylvania Solar Alternative Energy Credit Future	PAX	PAX	10 MWh	\$0.25	\$0.50	\$0.50	\$0.75
Pennsylvania Solar Renewable Energy Certificates Future - Vintage 2016	PA7	PA7	10 MWh	\$0.25	\$0.50	\$0.50	\$0.75
- Vintage 2017	PA8	PA8					
- Vintage 2018	PA9	PA9					
- Vintage 2019	PA0	PA0					
- Vintage 2020	PA1	PA1					
- Vintage 2021	PA2	PA2					
- Vintage 2022	PA3	PA3					
- Vintage 2023							
PJM Tri Qualified Renewable Energy Certificate Class I Future	PPR	PPR	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
PJM Tri Qualified Renewable Energy Certificate Class I Prior Year Future	PPY	PPY	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
PJM Tri Qualified Renewable Energy Certificate Class I 2 Year Prior Future	TO2	TO2	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
PJM Tri-Qualified Energy Certificates Class 1 Future - Vintage 2015	TOB	TOB	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
- Vintage 2016	TOC	TOC					
- Vintage 2017	TOD	TOD					
- Vintage 2018	TQE	TQE					
- Vintage 2019	TOF	TOF					
- Vintage 2020	TOG	TOG					
- Vintage 2021	TOH	TOH					
- Vintage 2022	TOI	TOI					
- Vintage 2023							
Texas Compliance REC Future	TEC	TEC	100 MWh	\$0.75	\$1.00	\$1.00	\$1.75
Sulfur Financial Instrument Future	SFI	SFI	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Cross State Air Pollution Rule TR SO2 Group 1 Allowance Future - Vintage 2015	SOM	SOM	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 1 Allowance Future - Vintage 2016	SOP	SOP	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 1 Allowance Future - Vintage 2017	SOQ	SOQ	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 1 Allowance Future - Vintage 2018	SOR	SOR	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 2 Allowance Future - Vintage 2015	STL	STL	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 2 Allowance Future - Vintage 2016	STN	STN	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 2 Allowance Future - Vintage 2017	STP	STP	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR SO2 Group 2 Allowance Future - Vintage 2018	STQ	STQ	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Annual Allowance Future - Vintage 2015	NAL	NAL	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Annual Allowance Future - Vintage 2016	NAN	NAN	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Annual Allowance Future - Vintage 2017	NAP	NAP	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Annual Allowance Future - Vintage 2018	NAQ	NAQ	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Ozone Season Allowance Future - Vintage 2015	NON	NON	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Ozone Season Allowance Future - Vintage 2016	NOO	NOO	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Ozone Season Allowance Future - Vintage 2017	NOS	NOS	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
Cross State Air Pollution Rule TR NOx Ozone Season Allowance Future - Vintage 2018	NOT	NOT	25 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
CAIR Annual NOx Future - Vintage 2013	CQB	CQB	5 Allowances	\$0.75	\$1.00	\$1.00	\$1.75
CAIR Ozone NOx Future - Vintage 2014	CZP	CZP	5 Allowances	\$0.75	\$1.00	\$1.00	\$1.75

## Physical Environmental - Cleared (Financial)

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block. EFP	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
California Low Carbon Fuel Standard Credit (OPIS) Future	LFS	LFS	100 mt	\$0.75	\$1.75	\$1.75	\$0.25
California Carbon Allowance Current Auction Clearing Price	ACP	ACP	1000 Allowances	\$2.00	\$3.00	\$3.00	\$5.00
California Carbon Allowance Advance Auction Clearing Price	AAP	AAP	1000 Allowances	\$2.00	\$3.00	\$3.00	\$5.00
Regional Greenhouse Gas Initiative Allowance Auction Clearing Price	RCP	RCP	1000 Allowances	\$0.75	\$1.00	\$1.00	\$2.00

## Physical Environmental Options - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block. EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Option on Ontario Carbon Allowance Future - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021	OC7 OC8 OC9 OC0 OC1	OC7 OC8 OC9 OC0 OC1	1,000 Allowances	\$2.00	\$3.00	\$3.00	\$2.00
Option on California Carbon Allowance Future - Vintage 2013 - Vintage 2014 - Vintage 2015 - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021	CAL CAM CAN CAO CAP CAW CAX CAY CAZ	CAL CAM CAN CAO CAP CAW CAX CAY CAZ	1,000 Allowances	\$2.00	\$3.00	\$3.00	\$2.00
Option on California Carbon Allowance Vintage Specific Future - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022	CA7 CA8 CA9 CC0 CC1 CC2	CA7 CA8 CA9 CC0 CC1 CC2	1,000 Allowances	\$2.00	\$3.00	\$3.00	\$2.00
Option on Cross State Air Pollution TR NOx Annual Allowance Future-Vintage 2015	NAL	NAL	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR NOx Annual Allowance Future-Vintage 2016	NAN	NAN	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR NOx Ozone Season Allowance Future-Vintage 2015	NON	NON	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR NOx Ozone Season Allowance Future-Vintage 2016	NOO	NOO	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR NOx Ozone Season Allowance Future-Vintage 2018	NOT	NOT	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR SO2 Group 1 Allowance Future-Vintage 2015	SOM	SOM	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR SO2 Group 1 Allowance Future-Vintage 2016	SOP	SOP	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR SO2 Group 2 Allowance Future-Vintage 2015	STL	STL	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Cross State Air Pollution TR SO2 Group 2 Allowance Future-Vintage 2016	STN	STN	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Regional Greenhouse Gas Initiative Future	RGL RGM RGN RGO RGP RGQ RGR RGS RGT	RGL RGM RGN RGO RGP RGQ RGR RGS RGT	1,000 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on Carbon Financial Instrument, United States, Future	CFS	CFS	1,000 mt	\$2.00	\$2.50	\$2.50	\$4.00
Option on PJM Tri-Qualified Renewable Energy Certificates Class 1 Future 1 Year - Vintage 2018	TQD	TY1	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Option on PJM Tri-Qualified Renewable Energy Certificates Class 1 Future 2 Year - Vintage 2019	TQE	TY2	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Option on PJM Tri-Qualified Renewable Energy Certificates Class 1 Future 3 Year - Vintage 2020	TQF	TY3	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Options on PJM Tri Qualified Renewable Energy Certificate Class I Future	PPR	PPR	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
One Year Mid-Curve Options on PJM Tri Qualified Renewable Energy Certificate Class I Future	PPR	PPS	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Two Year Mid-Curve Options on PJM Tri Qualified Renewable Energy Certificate Class I Future	PPR	PPT	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Option on PJM Tri-Qualified Energy Certificates Class 1 Future - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	TQC TQD TQE TQF TQG TQH TQI	TQC TQD TQE TQF TQG TQH TQI	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Options on New Jersey Solar Renewable Energy Certificate Future	NPS	NPS	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
One Year Mid-Curve Options on New Jersey Solar Renewable Energy Certificate Future	NPS	NPP	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
Two Year Mid-Curve Options on New Jersey Solar Renewable Energy Certificate Future	NPS	NPQ	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
Massachusetts Solar Renewable Energy Certificates Future - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	MQ8 MQ9 MQ0 MQ1 MQ2 MQ3	MQ8 MQ9 MQ0 MQ1 MQ2 MQ3	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
Massachusetts Solar Renewable Energy Certificates Carve Out II Future - - Vintage 2018 - Vintage 2019 - Vintage 2020 - Vintage 2021 - Vintage 2022 - Vintage 2023	MA8 MA9 MA0 MA1 MA2 MA3	MA8 MA9 MA0 MA1 MA2 MA3	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
Option on New Jersey Solar Renewable Energy Certificate Future - Vintage 2014 - Vintage 2015 - Vintage 2016 - Vintage 2017 - Vintage 2018 - Vintage 2019	NJF NJG NJH NJI NJJ NJK NJI	NJF NJG NJH NJI NJJ NJK NJI	10 MWh	\$2.00	\$3.00	\$3.00	\$3.00
Option on Texas Compliance Renewable Energy Certificate Future	TEC	TEC	100 MWh	\$0.75	\$1.00	\$1.00	\$1.00
Option on Sulfur Financial Instrument Future	SFM	SFM	25 Allowances	\$0.75	\$1.00	\$1.00	\$2.00
Option on California Low Carbon Fuel Standard Credit (OPIS)	LFS	LFS	100 mt	\$0.75	\$1.75	\$1.75	\$0.75

## Physical Environmental - Cleared

### Payment (Cleared Transactions)

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed.

Minimum commission of \$50 per month per user.

## Crude Oil and Refined Products - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
WTI 1st Line Mini Future	RMM	RMM	100 bbl	\$0.125	\$0.134	\$0.134	\$0.009
WTI 1st Line Future	WBS	R	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
WTI 1st Line Balmo Future	WBT	02L-03F	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
WTI Bullet Future	WBS	WTB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
WTI 1st Line vs Brent 1st Line Future	BDT	BDT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
WTI 1st Line vs Brent 1st Line Balmo Future	BTE	B20-B2U	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
WTI vs Brent Bullet Future	TIB	TIB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus ANS vs Brent 1st Line Future	ABL	ABL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Cushing Trade Month Future	ACT	ACT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS Future	ARH	ARH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs Brent 1st Line Future	ARI	ARI	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs Dated Brent Future	ARJ	ARJ	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs WTI Trade Month Future	ARL	ARL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs WTI Trade Month Balmo Future	ARQ	ARQ	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs WTI 1st Line Future	ARK	ARK	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus LLS vs WTI 1st Line Balmo Future	ARP	180-18U	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars Future	ARM	ARM	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars vs Brent 1st Line Future	ARN	ARN	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars vs WTI 1st Line Future	ARO	ARO	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars vs WTI 1st Line Balmo Future	ART	ART	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars vs WTI Trade Month Future	ARW	ARW	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Mars vs WTI Trade Month Balmo Future	ARS	ARS	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Sour Crude Index (ASCI) Diff Calendar Future	TAB	TAB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Sour Crude Index (ASCI) Diff Trade-Month Future	TOB	TOB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI CMA Trade Month Future	AIM	AIM	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Houston vs WTI 1st Line Future	AIL	AIL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Houston vs WTI 1st Line Balmo Future	AIK	AIK	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Houston vs WTI 1st Trade Month Future	ACM	ACM	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Houston vs WTI 1st Trade Month Balmo Future	ACL	ACL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Houston vs Argus WTI Midland Trade Month Future	MSN	MSN	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Midland vs Argus WTS Trade Month Future	MST	MST	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Midland vs WTI 1st Line Future	MLT	MLT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Midland vs WTI 1st Line Balmo Future	MLU	MLU	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Midland vs WTI Trade Month Future	MSV	MSV	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTI Midland vs WTI Trade Month Balmo Future	MLS	MLS	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTS vs WTI 1st Line Future	AFH	AFH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTS vs WTI 1st Line Balmo Future	AFI	AFI	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTS vs WTI Trade Month Future	AVT	AVT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WTS vs WTI Trade Month Balmo Future	AVS	AVS	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus Bakken (Clearbrook) Crude Oil Future	BAK	BAK	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WCS (Cushing) Crude Oil Future	CSH	CSH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WCS (Cushing) 1a Index Trade Month Future	TMQ	TMQ	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Argus WCS (Houston) Crude Oil Trade Month Future	ARV	ARV	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE C5 1a Index Future	TMF	TMF	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE C5 1b Index Future	TMC	TMC	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE LSB 1a Index Future	TML	TML	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE SYN 1a Index Future	TMS	TMS	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE SYN 1b Index Future	SYN	SYN	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE SW 1a Index Future	TMR	TMR	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE SW 1a Index Balmo Future	TMZ	TMZ	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE UHC 1a Index Future	TMU	TMU	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE UHC 1b Index Future	UHB	UHB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE WCS 1a Index Future	TMW	TMW	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE WCS 1a Index Balmo Future	TMY	TMY	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE WCS 1b Index Future	TDX	TDX	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
ICE WCS 1b Index Balmo Future	TDY	TDY	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.09
Fuel Oil Outright - New York 1% Fuel Oil Future	FOW	FOW	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Fuel Oil Outright - New York 1% Fuel Oil Balmo Future	FOX	FRA-FSE	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs Brent 1st Line Future	NFB	NFB	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs WTI 1st Line Future	FOK	FOK	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs WTI 1st Line Balmo Future	FOL	GIP-GJT	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs 1% FOB NWE Cargoes Fuel Oil Future	FOH	FOH	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs 1% FOB NWE Cargoes Fuel Oil Balmo Future	FOI	GGF-GHJ	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs USGC HSFO (Platts) Future	FOD	FOD	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
New York 1% Fuel Oil vs USGC HSFO (Platts) Balmo Future	FOE	GHK-GIO	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) Future	RBO	RBO	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) Balmo Future	RBP	FPA-FQE	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs Brent 1st Line Future	GCS	GCS	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs Brent 1st Line Balmo Future	GCT	1JH-1KB	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs WTI 1st Line Future	GUF	GUF	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs 3.5% FOB Rotterdam Barges Fuel Oil (Platts) Future	GOE	GOE	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs 3.5% FOB Rotterdam Barges Fuel Oil (Platts) Balmo Future	GOD	GJU-GKY	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
USGC HSFO (Platts) vs 3.5% FOB Rotterdam Barges Fuel Oil (Platts) Future (mt)	NVV	NVV	1,000 mt	\$21.75	\$11.00	\$11.00	\$1.00
Fuel Oil 3.0% NY (Platts) Future	14X	14X	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Fuel Oil 3.0% NY (Platts) vs USGC HSFO (Platts) Future	14W	14W	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Fuel Oil 380 CST Singapore vs USGC HSFO Future	GOK	GOK	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Fuel Oil Outright - Marine Fuel 0.5% FOB USGC Barges (Platts) Future	MF1	MF1	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Fuel Oil Diff - Marine Fuel 0.5% FOB USGC Barges (Platts) vs USGC HSFO (Platts)	MF2	MF2	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Heating Oil 1st Line Mini Future	HOM	HOM	4,200 gal	\$0.375	\$0.134	\$0.134	\$0.009
Heating Oil 1st Line Future	UHO	HOF	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Heating Oil 1st Line vs Brent 1st Line Future	HBT	HBT	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Heating Oil 1st Line vs Low Sulphur Gasoil 1st Line Future (bbl)	ULM	ULM	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Heating Oil 1st Line vs Low Sulphur Gasoil 1st Line Balmo Future (bbl)	UL9	11M-1JG	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Heating Oil 1st Line vs Low Sulphur Gasoil 1st Line Future (mt)	ULL	ULL	1,000 mt	\$27.25	\$11.00	\$11.00	\$1.00
Heating Oil 1st Line vs WTI 1st Line Future	HBW	HBW	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09

## Crude Oil and Refined Products - Cleared, Continued

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Argus ULSD NYH Buckeye Pipeline vs Heating Oil 1st Line Future	AIO	AIO	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Argus ULSD NYH Colonial Offline vs Heating Oil 1st Line Future	AIP	AIP	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
ULSD NYH Colonial Offline (Platts) vs Heating Oil 1st Line Future	UHL	UHL	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
62-grade NYH ULSD (Argus) vs Heating Oil 1st Line Future	NH2	NH2	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
67-grade NYH ULSD (Argus) vs Heating Oil 1st Line Future	NH7	NH7	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
67-grade USG ULSD (Platts) vs Heating Oil 1st Line Future	UL7	UL7	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Group3 ULSD (OPIS) vs Heating Oil 1st Line Future	DCS	DCS	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Group3 ULSD (Platts) vs Heating Oil 1st Line Future	GUH	GUH	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Diesel 10ppm FOB Rotterdam Barges (Platts) vs New York Harbour ULSD Future	DFF	DFF	1,000 mt	\$27.25	\$11.00	\$11.00	\$1.00
Diesel Outright - Diesel EIA Flat Tax On-Highway Future	EIT	EIT	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Export ULSD Cargoes (Platts) Future	GUE	GUE	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD Future	GUU	GUU	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD vs Brent 1st Line Future	GUV	GUV	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD vs Low Sulphur Gasoil 1st Line Future	GUX	GUX	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Daily Gulf Coast ULSD (Platts) vs Heating Oil 1st Line Future	DFK	DFK	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD vs Heating Oil 1st Line Future	GOH	GOH	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD vs Heating Oil 1st Line Future Balmo	GCH	GCH	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD vs WTI 1st Line Future	GUW	GUW	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
ULSD 10ppm CIF MED Cargoes (Platts) vs New York Harbour ULSD Future	TMN	TMN	1,000 mt	\$27.25	\$11.00	\$11.00	\$1.00
ULSD 10ppm CIF NWE Cargoes (Platts) vs New York Harbour ULSD Future	TNN	TNN	1,000 mt	\$27.25	\$11.00	\$11.00	\$1.00
Gulf Coast Jet Fuel (Platts) Mini Future	GCJ	GCJ	42,000 gal	\$0.375	\$0.134	\$0.134	\$0.009
Gulf Coast Jet Fuel (Platts) Future	JCF	JCF	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Jet Fuel (Platts) Balmo Future	JCG	JCG	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast ULSD (Platts) vs Gulf Coast Jet Fuel (Platts) Future	JCU	JCU	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Daily Gulf Coast Jet Fuel (Platts) vs Heating Oil 1st Line Future	DFL	DFL	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Jet Fuel vs Heating Oil 1st Line Future	JHO	JHO	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Jet Fuel (Platts) vs Heating Oil 1st Line Balmo Future	JHP	JHP	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Jet Fuel vs Brent 1st Line Future	GUB	GUB	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
LA Jet Fuel (Platts) vs Heating Oil 1st Line Future	LA4	LA4	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
LA Jet Fuel (Platts) vs Heating Oil 1st Line Balmo Future	LA5	LA5	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
NYH Jet (Argus) vs Heating Oil 1st Line Future	JCH	JCH	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
NYH Jet (Argus) vs Heating Oil 1st Line Balmo Future	JCI	JCI	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Group 3 Sub-Octane Gasoline (Platts) vs RBOB Gasoline 1st Line Future	GDL	GDL	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Group 3 Sub-Octane Gasoline (Platts) vs RBOB Gasoline 1st Line Balmo Future	GPR	GPR	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Group 3 V-Grade Sub-Octane Gasoline (OPIS) vs RBOB Gasoline 1st Line Future	G3V	G3V	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast CBOB 87 Gasoline (Platts) vs RBOB Gasoline 1st Line Future	GDM	GDM	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast CBOB 87 Gasoline (Platts) vs RBOB Gasoline 1st Line Balmo Future	GDN	GDN	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Unl 87 Gasoline Prompt Month (Platts) vs RBOB Gasoline 1st Line Future	UM1	UM1	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gulf Coast Unl 87 Gasoline Prompt Month (Platts) vs RBOB Gasoline 1st Line Balmo Future	UMM	UMM	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Gasoline Diff - Gulf Coast Unl 87 Gasoline Prompt Pipeline (Platts) vs. Argus Eurobob Oxy FOB Rotterdam Barges Future (349.86 conversion)	GDU	GDU	1,000 mt	\$31.65	\$11.00	\$11.00	\$1.00
Natural Gasoline, OPIS Mt. Belvieu Non-TET vs Naphtha CIF NWE Cargoes (Platts) Future	GCY	GCY	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
RBOB Gasoline 1st Line Mini Future	RBM	RBM	100 bbl	\$0.375	\$0.134	\$0.134	\$0.009
RBOB Gasoline 1st Line Future	UHU	RBS	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
RBOB Gasoline 1st Line Balmo Future	RSE	0X0-0XU	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
RBOB Gasoline 1st Line vs Argus Eurobob Oxy FOB Rotterdam Barge Future	GDQ	GDQ	100 mt	\$3.165	\$1.10	\$1.10	\$0.10
RBOB Gasoline 1st Line vs Argus Eurobob Oxy FOB Rotterdam Barges Mini Balmo Future	GDR	140-14U	100 mt	\$3.165	\$1.10	\$1.10	\$0.10
RBOB Gasoline 1st Line vs Argus Eurobob Non-Oxy FOB Rotterdam Barge Future (349.86 conversion)	NOX	NOX	1,000 mt	\$31.65	\$11.00	\$11.00	\$1.00
RBOB Gasoline 1st Line vs Argus Eurobob Oxy FOB Rotterdam Barge Future	GDO	GDO	1,000 mt	\$31.65	\$11.00	\$11.00	\$1.00
RBOB Gasoline 1st Line vs Argus Eurobob Oxy FOB Rotterdam Barge Balmo Future	GDT	1F6-1G0	1,000 mt	\$31.65	\$11.00	\$11.00	\$1.00
RBOB Gasoline 1st Line vs Brent 1st Line Future	RBR	RBR	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
RBOB Gasoline 1st Line vs Brent 1st Line Balmo Future	RBQ	1EB-1F5	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
RBOB Gasoline 1st Line vs WTI 1st Line Future	RBW	RBW	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.09
Chicago Ethanol Future	ETC	ETC	42,000 gal	\$1.25	\$1.34	\$1.34	\$0.09
New York Ethanol Future	ETN	ETN	42,000 gal	\$1.25	\$1.34	\$1.34	\$0.09
Gasoline Outright - D6 RINs (OPIS) Future	RIN	RIN	50,000 RIN	\$3.75	\$1.34	\$1.34	\$0.09
Biodiesel Outright - D4 RINs (OPIS) Current Year Future	RIK	RIK	50,000 RIN	\$3.75	\$1.34	\$1.34	\$0.09
Biodiesel Outright - D4 RINs (OPIS) Previous Year Future	RIL	RIL	50,000 RIN	\$3.75	\$1.34	\$1.34	\$0.09
Gasoline Outright - D6 RINs (OPIS) Previous Year Future	RIO	RIO	50,000 RIN	\$3.75	\$1.34	\$1.34	\$0.09

## Crude Oil and Refined Options - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Argus LLS Average Price Option	ARH	ARH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus LLS vs WTI 1st Line Average Price Option	ARK	ARK	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus LLS vs WTI Trade Month Average Price Option	ARL	ARL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus Mars vs WTI Trade Month Average Price Option	ARW	ARW	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus Mars vs WTI 1st Line Average Price Option	ARO	ARO	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus WTI Midland vs WTI 1st Line Average Price Option	MLT	MLT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus WTI Houston vs WTI 1st Line Average Price Option	AIL	AIL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Argus WTS vs WTI 1st Line Average Price Option	AFH	AFH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Daily EU-Style WTI Option	TDE	TDE	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
WTI Average Price Option	WBS	R	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
WTI Balmo Average Price Option	WBT	02L-03F	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
EU-Style WTI Option	WBS	WUL	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
New York Harbour ULSD 1-Month Calendar Spread Option	HOC	HOC	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30
WTI Daily 1-Month Calendar Spread Option	DWO	DWO	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
WTI 1-Month Calendar Spread Option	TIA	TIA	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
WTI 12-Month Calendar Spread Option	TIZ	TIZ	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
WTI vs Brent Spread Option	TIB	TIB	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
ICE WCS 1a Index Average Price Option	TMW	TMW	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Crude Diff - Argus WTI Midland vs WTI Trade Month Average Price Option	MSV	MSV	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30

## Crude Oil and Refined Options - Cleared, Continued

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EOO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Crude Diff - Argus WCS (Cushing) Crude Oil Trade Month Average Price Option	CSH	CSH	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Crude Diff - Argus WTI Houston vs WTI Trade Month Average Price Option	ACM	ACM	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Crude Diff - Argus WTS vs WTI Trade Month Average Price Option	AVT	AVT	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
ICE C5 1a Index Average Price Option	TMF	TMF	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
ICE SYN 1a Index Average Price Option	TMS	TMS	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
ICE SW 1a Index Average Price Option	TMR	TMR	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
ICE UHC 1a Index Average Price Option	TMU	TMU	1,000 bbl	\$1.25	\$1.34	\$1.34	\$0.30
Heating Oil Average Price Option	UHO	HOF	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30
EU-Style Heating Oil vs Low Sulphur Gasoil Option	EHL	EHL	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30
RBOB Gasoline 1-Month Calendar Spread Option	RCM	RCM	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30
RBOB Gasoline Average Price Option	UHU	RBS	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30
USGC HSFO (Platts) (Platts) Average Price Option	RBO	RBO	1,000 bbl	\$3.75	\$1.34	\$1.34	\$0.30
Gulf Coast Jet Fuel (Platts) Average Price Option	JCF	JCF	42,000 gal	\$3.75	\$1.34	\$1.34	\$0.30

### Payment Cleared Transactions

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed. ICE will rebate to Participant amounts collected in excess, if any, of the rates above within 30 days of the end of the month in which the Transaction was Executed. Minimum commission of \$300 per month per user.

## US Financial Natural Gas Liquids - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
NGL Basket, OPIS Mt. Belvieu Non-TET Future	NGB	NGB	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, Argus CIF ARA Mini Future	AFM	AFM	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Propane, Argus CIF ARA Future	APC	APC	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus CIF ARA Balmo Future	APD	APD	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) Mini Future	AFL	AFL	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Propane, Daily Argus Far East Index (AFEI) Mini Future	AFD	AFD	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Propane, Argus Far East Index (AFEI) Future	AFE	AFE	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) Balmo Future	AFF	AFF	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Saudi CP Mini Future	SCP	AFK	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Propane, Argus Saudi CP Future	SCP	SCP	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) vs Propane, Argus CIF ARA Future	EGD	EGD	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) vs Propane, Argus CIF ARA Balmo Future	EGE	EGE	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) vs Naphtha C+F Japan Cargoes (Platts) Future	ARR	ARR	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Far East Index (AFEI) vs Naphtha C+F Japan Cargoes (Platts) Balmo Future	ABK	ABK	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus CIF ARA vs Naphtha, Platts CIF NWE Cargoes (Platts) Future	APN	APN	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus CIF ARA vs Naphtha, Platts CIF NWE Cargoes (Platts) Balmo Future	ABG	ABG	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, Argus Sonatrach CP Future	AFS	AFS	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, OPIS CIF ARA ToT Cargoes Future	TOT	TOT	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, OPIS Mt. Belvieu Non-TET vs Propane, Far East Index (AFEI) Future	CEZ	CEZ	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, OPIS Mt. Belvieu Non-TET vs Propane, Argus CIF ARA Future	CEJ	CEJ	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, OPIS Mt. Belvieu TET vs Propane, Far East Index (AFEI) Future	CEY	CEY	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Propane, OPIS Mt. Belvieu TET vs Propane, Argus CIF ARA Future	CEK	CEK	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus Far East Index (AFEI) Mini Future	BUQ	BUQ	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Butane, Argus Far East Index (AFEI) Future	ABF	ABF	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus Far East Index (AFEI) Balmo Future	BUR	BUR	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus CIF ARA Future	ABR	ABR	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus CIF ARA Balmo Future	BUN	BUN	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus CIF ARA Mini Future	ABM	ABM	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Butane, Argus CIF ARA) Mini Balmo Future	BUK	BUK	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Butane, Argus Saudi CP Mini Future	ABS	BUS	100 mt	\$8.00	\$2.80	\$2.80	\$0.80
Butane, Argus Saudi CP Future	ABS	ABS	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Butane, Argus Sonatrach CP Future	ABO	ABO	1,000 mt	\$80.00	\$28.00	\$28.00	\$8.00
Isobutane, OPIS Conway In-Well Future	ISC	ISC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Isobutane, OPIS Conway In-Well Balmo Future	ISD	ISD	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Isobutane, OPIS Mt. Belvieu Non-TET Future	ISO	ISO	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Isobutane, OPIS Mt. Belvieu Non-TET Balmo Future	ISP	ISP	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Isobutane, OPIS Mt. Belvieu TET Future	ISL	ISL	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Isobutane, OPIS Mt. Belvieu TET Balmo Future	ISQ	ISQ	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Ethane in E/P Mix, OPIS Mt. Belvieu Non-TET Future	ECB	ECB	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Ethane in E/P Mix, OPIS Mt. Belvieu Non-TET Balmo Future	ECA	ECA	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Ethane in E/P Mix, OPIS Conway In-Well Future	ECC	ECC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Ethane in E/P Mix, OPIS Conway In-Well Balmo Future	ECD	ECD	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Ethane, OPIS Mt. Belvieu Non-TET Future	ETE	ETE	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Ethane, OPIS Mt. Belvieu Non-TET Balmo Future	ETF	ETF	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Ethane, OPIS Mt. Belvieu Other Non-TET Future	ETD	ETD	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Conway In-Well Future	PRC	PRC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Conway In-Well Balmo Future	PRD	PRD	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu Non-TET Future	PRN	PRN	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu Non-TET Balmo Future	PRO	PRO	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu Other Non-TET Future	PBO	PBO	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu Other Non-TET Balmo Future	PBP	PBP	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu TET Mini Future	PLM	PLM	4,200 gal	\$0.175	\$0.325	\$0.325	\$0.075
Propane, OPIS Mt. Belvieu TET Future	PRL	PRL	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Mt. Belvieu TET Balmo Future	PRM	PRM	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Propane, OPIS Hattiesburg Future	PRH	PRH	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Conway In-Well Future	NGC	NGC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Conway In-Well Balmo Future	NGG	NGG	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Mt. Belvieu Non-TET Future	NGE	NGE	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Mt. Belvieu Non-TET Balmo Future	NGF	NGF	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Mt. Belvieu Non-TET vs WTI 1st Line Future	NGW	NGW	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75

## US Financial Natural Gas Liquids - Cleared, Continued

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Natural Gasoline, OPIS Mt. Belvieu Other Non-TET Future	NBC	NBC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Mt. Belvieu TET Future	NGL	NGL	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Natural Gasoline, OPIS Mt. Belvieu TET Balmo Future	NGK	NGK	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Mt. Belvieu Non-TET Future	NBI	NBI	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Mt. Belvieu Non-TET Balmo Future	NBJ	NBJ	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane OPIS Mt. Belvieu Other Non-TET Future	NBE	NBE	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Mt. Belvieu TET Future	NBR	NBR	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Mt. Belvieu TET Balmo Future	NBS	NBS	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Conway In-Well Future	IBC	IBC	42,000 gal	\$1.75	\$3.25	\$3.25	\$0.75
Normal Butane, OPIS Conway In-Well Balmo Future	IBD	IBD	1,000 bbl	\$1.75	\$3.25	\$3.25	\$0.75

## US Financial Natural Gas Liquids - Cleared

### Payment (Cleared Transactions)

The clearinghouse will collect the commission from Participant's FCM account on behalf of ICE no later than the first business day after the Transaction was Executed. ICE will rebate to Participant amounts collected in excess, if any, of the rates above within 30 days of the end of the month in which the Transaction was Executed. Minimum commission of \$300 per month per user.

## US Financial Natural Gas Liquids Options - Cleared

Options Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EEO	Exercise (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Ethane in E/P Mix, OPIS Conway In-Well Average Price Option	ECC	ECC	42,000 gal	\$1.75	\$3.25	\$3.25	
Ethane, OPIS Mt. Belvieu Non-TET Average Price Option	ETE	ETE	42,000 gal	\$1.75	\$3.25	\$3.25	
Propane, OPIS Mt. Belvieu TET Average Price Option	PRL	PRL	42,000 gal	\$1.75	\$3.25	\$3.25	
Propane, Argus CIF ARA Average Price Option	APC	APC	1,000 mt	\$80.00	\$28.00	\$28.00	
Propane, Argus Far East Index (AFEI) Average Price Option	AFE	AFE	1,000 mt	\$80.00	\$28.00	\$28.00	
Normal Butane, OPIS Mt. Belvieu Non-TET Average Price Option	NBI	NBI	42,000 gal	\$1.75	\$3.25	\$3.25	
Natural Gasoline, OPIS Mt. Belvieu Non-TET Average Price Option	NGE	NGE	42,000 gal	\$1.75	\$3.25	\$3.25	
Propane, OPIS Conway In-Well Average Price Option	PRC	PRC	42,000 gal	\$1.75	\$3.25	\$3.25	

## US Financial Monomers - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Benzene, OPIS PCW US Contract Price Future	BUC	BUC	1,000 bbl	\$32.00	\$10.00	\$10.00	\$2.80
Benzene, OPIS PCW US Index Fixed Price Future	BUI	BUI	1,000 bbl	\$32.00	\$10.00	\$10.00	\$2.80

## US Financial Olefins - Cleared

Futures Description	ICE	ICE	Lot	Screen	ICE Clear EU Screen	ICE Clear EU Block, EFS	Cash Settle (per lot)
	Logical Code	Physical Code	Size	Futures Fee (per lot)	Fee (per lot)	Fee (per lot)	
Ethylene, OPIS PCW Mont Belvieu Future	ETH	ETH	100,000 lbs	\$17.00	\$6.00	\$6.00	\$1.50
Ethylene, OPIS PCW Mont Belvieu Balmo Future	ETG	ETG	100,000 lbs	\$17.00	\$6.00	\$6.00	\$1.50
Polymer Grade Propylene (PGP), OPIS PCW Mont Belvieu Future	PPL	PPL	100,000 lbs	\$17.00	\$6.00	\$6.00	\$1.50
Polymer Grade Propylene (PGP), OPIS PCW Mont Belvieu Balmo Future	PPN	PPN	100,000 lbs	\$17.00	\$6.00	\$6.00	\$1.50