



Exhibit A:
June 19th, 2017 Addition to Nodal Exchange
Contract Specifications

PJM WESTERN HUB Monthly Real Time On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the PJM WESTERN HUB Monthly Real Time On-Peak Power Futures (FKE)
Option Style	European
Underlying Contract	FKE
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	8307 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

PJM WESTERN HUB Monthly Real Time Off-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the PJM WESTERN HUB Monthly Real Time Off-Peak Power Futures (FKF)
Option Style	European
Underlying Contract	FKF
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	7747 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

MISO INDIANA.HUB Monthly Real Time On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the MISO INDIANA.HUB Monthly Real Time On-Peak Power Futures (FJY)
Option Style	European
Underlying Contract	FJY
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	1924 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

ERCOT HB NORTH Monthly Real Time On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the ERCOT HB_NORTH Monthly Real Time On-Peak Power Futures (FOK)
Option Style	European
Underlying Contract	FOK
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	6982 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

NYISO WEST Monthly Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the NYISO WEST Monthly Day Ahead On-Peak Power Futures (DEU)
Option Style	European
Underlying Contract	DEU
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	3810 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

NYISO HUD VL Monthly Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the NYISO HUD VL Monthly Day Ahead On-Peak Power Futures (CXO)
Option Style	European
Underlying Contract	CXO
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	2968 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

ISONE .H.INTERNAL HUB Monthly Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the ISONE .H.INTERNAL_HUB Monthly Day Ahead On-Peak Power Futures (AAA)
Option Style	European
Underlying Contract	AAA
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The second business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	6834 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

NWPP MID-COLUMBIA Monthly Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the NWPP MID-COLUMBIA Monthly Day Ahead On-Peak Power Futures (LMQ)
Option Style	European
Underlying Contract	LMQ
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The fifth business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	2381 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

CAISO TH SP15 GEN-APND Monthly Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A monthly Option on the corresponding contract period of the CAISO TH_SP15_GEN-APND Monthly Day Ahead On-Peak Power Futures (FQW)
Option Style	European
Underlying Contract	FQW
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of the Underlying Contract
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring monthly Option contract is no longer traded. The First Trading Day is up to 60 months before the contract period.
Last Trading Day	The fifth business day prior to the first calendar day of the Option contract month
Contract Series	Up to 60 months
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contract
Position Limit	6934 MW, weighted by Option delta and combined with Underlying Contract position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

PJM WESTERN HUB Calendar Year Real Time On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A calendar year Option on the corresponding period of twelve PJM WESTERN HUB Monthly Real Time On-Peak Power Futures (FKE)
Option Style	European
Underlying Contract(s)	FKE for January – December of the calendar year
Code for Underlying Contracts(s)	LMJ
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of each of the Underlying Contracts
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring calendar year Option is no longer traded. The launch day is up to 4 years before the Option period.
Last Trading Day	The second Friday prior to the first calendar day of the Option period
Contract Series	Up to 4 consecutive January – December yearly Option contract periods
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contracts
Position Limit	8307 MW, weighted by Option delta and combined with Underlying Contracts position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

PJM WESTERN HUB Calendar Year Real Time Off-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A calendar year Option on the corresponding period of twelve PJM WESTERN HUB Monthly Real Time Off-Peak Power Futures (FKF)
Option Style	European
Underlying Contract(s)	FKF for January – December of the calendar year
Code for Underlying Contracts(s)	LMK
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of each of the Underlying Contracts
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring calendar year Option is no longer traded. The launch day is up to 4 years before the Option period.
Last Trading Day	The second Friday prior to the first calendar day of the Option period
Contract Series	Up to 4 consecutive January – December yearly Option contract periods
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contracts
Position Limit	7747 MW, weighted by Option delta and combined with Underlying Contracts position
Margin Unit	US Dollars

NODAL EXCHANGE CONTRACT SPECIFICATIONS

NYISO WEST Calendar Year Day Ahead On-Peak Power Option

ITEM	SPECIFICATION
Contract Description	A calendar year Option on the corresponding period of twelve NYISO WEST Monthly Day Ahead On-Peak Power Futures (DEU)
Option Style	European
Underlying Contract(s)	DEU for January – December of the calendar year
Code for Underlying Contracts(s)	LMI
Hours of Trading	As defined at http://www.nodalexchange.com
Contract Size per Lot	One lot of each of the Underlying Contracts
Unit of Trading	1 lot, as defined in Contract Size per Lot
Strike Price	\$0.50 increments; 20 Strike Prices up and 20 Strike Prices down from the at-the-money Strike Price per Option contract. The at-the-money Strike Price is the closest interval nearest to the previous business day's Settlement Price of the Underlying Contract. User-defined Strike Prices are permitted in \$0.05 increments.
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
First Trading Day	The date when the current expiring calendar year Option is no longer traded. The launch day is up to 4 years before the Option period.
Last Trading Day	The second Friday prior to the first calendar day of the Option period
Contract Series	Up to 4 consecutive January – December yearly Option contract periods
Premium	The premium on the Option is paid from the buyer to the seller on the next settlement cycle following the Transaction.
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded Option contracts, as appropriate
Exercise	Exercise of In-the-Money Options is automatic on the Last Trading Day unless the Exchange is notified by 4:30 pm on the Last Trading Day (1) to allow the In-the-Money Options to expire without exercise or (2) to exercise expiring Out-of-the-Money Options. When exercised against, Option sellers will be selected on a pro-rata basis or at the Exchange's discretion.
Settlement Method	Exercise into Underlying Contracts
Position Limit	3810 MW, weighted by Option delta and combined with Underlying Contracts position
Margin Unit	US Dollars