



**Appendix A:
Nodal Exchange Contract Specifications**

NYISO BARRETT___1 Monthly Day Ahead Off-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial Off-Peak Energy + Congestion NYISO BARRETT___1, Day Ahead
Contract Code	HAT
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 400 Off-Peak hours, the lot size equals 400 MWh. The definition of Off-Peak hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Monday through Friday, EPT and all hours for Saturday, Sunday, and all NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of BARRETT___1 for all Off-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	94 167 MW
Margin Unit	US Dollars

NYISO BARRETT___1 Monthly Day Ahead On-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial On-Peak Energy + Congestion NYISO BARRETT___1, Day Ahead
Contract Code	HAS
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 336 On-Peak hours, the lot size equals 336 MWh. The definition of On-Peak hours is Hour Ending (HE) 0800 – 2300 Monday through Friday, EPT, excluding NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of BARRETT___1 for all On-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	94 167 MW
Margin Unit	US Dollars

NYISO BARRETT___2 Monthly Day Ahead Off-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial Off-Peak Energy + Congestion NYISO BARRETT___2, Day Ahead
Contract Code	LLR
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 400 Off-Peak hours, the lot size equals 400 MWh. The definition of Off-Peak hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Monday through Friday, EPT and all hours for Saturday, Sunday, and all NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of BARRETT___2 for all Off-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	94 167 MW
Margin Unit	US Dollars

NYISO BARRETT__2 Monthly Day Ahead On-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial On-Peak Energy + Congestion NYISO BARRETT__2, Day Ahead
Contract Code	LLQ
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 336 On-Peak hours, the lot size equals 336 MWh. The definition of On-Peak hours is Hour Ending (HE) 0800 – 2300 Monday through Friday, EPT, excluding NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of BARRETT__2 for all On-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	94 167 MW
Margin Unit	US Dollars

NYISO NYPA_GOWANUS GT5 Monthly Day Ahead Off-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial Off-Peak Energy + Congestion NYISO NYPA_GOWANUS____GT5, Day Ahead
Contract Code	HEX
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 400 Off-Peak hours, the lot size equals 400 MWh. The definition of Off-Peak hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Monday through Friday, EPT and all hours for Saturday, Sunday, and all NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA_GOWANUS____GT5 for all Off-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	160 25 MW
Margin Unit	US Dollars

NYISO NYPA_GOWANUS GT5 Monthly Day Ahead On-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial On-Peak Energy + Congestion NYISO NYPA_GOWANUS GT5, Day Ahead
Contract Code	HEW
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 336 On-Peak hours, the lot size equals 336 MWh. The definition of On-Peak hours is Hour Ending (HE) 0800 – 2300 Monday through Friday, EPT, excluding NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA_GOWANUS GT5 for all On-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	160 25 MW
Margin Unit	US Dollars

NYISO NYPA ___ASTORIA_CC1 Monthly Day Ahead Off-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial Off-Peak Energy + Congestion NYISO NYPA___ASTORIA_CC1, Day Ahead
Contract Code	HER
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 400 Off-Peak hours, the lot size equals 400 MWh. The definition of Off-Peak hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Monday through Friday, EPT and all hours for Saturday, Sunday, and all NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA___ASTORIA_CC1 for all Off-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	130 144 MW
Margin Unit	US Dollars

NYISO NYPA__ASTORIA_CC1 Monthly Day Ahead On-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial On-Peak Energy + Congestion NYISO NYPA__ASTORIA_CC1, Day Ahead
Contract Code	HEQ
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 336 On-Peak hours, the lot size equals 336 MWh. The definition of On-Peak hours is Hour Ending (HE) 0800 – 2300 Monday through Friday, EPT, excluding NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA__ASTORIA_CC1 for all On-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	130 144 MW
Margin Unit	US Dollars

NYISO NYPA ___ASTORIA_CC2 Monthly Day Ahead Off-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial Off-Peak Energy + Congestion NYISO NYPA___ASTORIA_CC2, Day Ahead
Contract Code	LMH
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 400 Off-Peak hours, the lot size equals 400 MWh. The definition of Off-Peak hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Monday through Friday, EPT and all hours for Saturday, Sunday, and all NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA___ASTORIA_CC2 for all Off-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	130 144 MW
Margin Unit	US Dollars

NYISO NYPA ASTORIA CC2 Monthly Day Ahead On-Peak Energy + Congestion Contract

ITEM	SPECIFICATION
Contract Description	Monthly Cash Settled Financial On-Peak Energy + Congestion NYISO NYPA__ASTORIA_CC2, Day Ahead
Contract Code	LMG
Hours of Trading	As defined at http://www.nodalexchange.com
Unit of Trading	1 lot, which is equal to 1 MW for each hour of the contract
Lot Size	Variable, expressed in MWh. For each contract the Lot Size will equal 1 MW multiplied by the number of on-peak hours within the month traded, so in a month with 336 On-Peak hours, the lot size equals 336 MWh. The definition of On-Peak hours is Hour Ending (HE) 0800 – 2300 Monday through Friday, EPT, excluding NERC Holidays
Currency	US Dollars
Min Price Fluctuation	\$0.0001 per MWh
Minimum Tick	\$0.0001 per MWh
First Trading Day	The fourth business day of the launch month, which corresponds to the day the current expiring contract is no longer traded. The launch month is 27 months before the expiration date.
Last Trading Day	The third business day following the last calendar day of the month
Contract Series	27 months
Fixed Price	The traded price or the previous day's settlement price
Daily Settlement Price	Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate
Final Settlement Price	The final settlement price will be determined by the Exchange at approximately 3 pm EPT on the Last Trading Day. The final settlement price is the average of the day-ahead hourly Energy of NYISO WEST minus the day-ahead hourly Congestion price of NYPA__ASTORIA_CC2 for all On-Peak hours in the contract month. Energy price of NYISO.WEST is defined as its LBMP minus Loss plus Congestion. These price files can be found at the following link or at successor location. <a href="http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv">http://mis.nyiso.com/public/csv/damlbmp/<yyyymmdd>damlbmp_gen.csv
Final Settlement (Payment) Date	The first business day following the Last Trading Day
Position Limit	130 144 MW
Margin Unit	US Dollars