

June 28, 2023

**VIA CFTC PORTAL**

Commodity Futures Trading Commission  
Attention: Chris Kirkpatrick, Secretary  
Three Lafayette Centre  
1155 21<sup>st</sup> Street, NW  
Washington, DC 20581

**Re: CFTC Regulation 40.2(a) Certification: Notification of Product Offered for Trading on Nodal Exchange, LLC – ISONE .Z.SEMASS Monthly Day Ahead 7x8 Power Contract**

Dear Mr. Kirkpatrick:

Nodal Exchange, LLC (“Nodal Exchange” or “Exchange”) is notifying the Commodity Futures Trading Commission (“CFTC” or “Commission”) that pursuant to Commission Regulation 40.2(a), the Exchange is self-certifying the listing of 42 new power futures contracts for trading on Nodal Exchange beginning on or after June 30, 2023. The contract specifications describing these new Exchange futures contracts are attached to this letter as Exhibit A, to be added to the Nodal Exchange Rulebook Appendix A – Contract Specifications. The deliverable supply analysis has been segregated as Exhibit B, for which confidential treatment is requested. The reporting levels, accountability levels, and position limits for these contracts is attached to this letter as Exhibit C, which will be added to the Nodal Exchange Rulebook Appendix C - Reporting Levels, Accountability Levels and Position Limits.

Exchange management has assessed the Exchange’s contracts’ compliance with applicable provisions of the Commodity Exchange Act (“Act”), including the Commissions Regulations thereunder and the Core Principles. Regulatory compliance of Nodal Exchange’s futures and options contracts is mostly addressed in the Nodal Exchange Rulebook, concisely explained as follows:

Core Principle 2 - Compliance with the Rules: Trading in the Exchange’s contracts will be subject to the Nodal Exchange Rulebook in Section IV, describing trading procedures, and Section VI, which establishes trading codes of conduct, sound trading practices, and identifies prohibited trading behavior and abuses. In addition, trading behavior and activity will be subject to extensive monitoring and surveillance by the Exchange’s Division of Market Administration and Surveillance. The Exchange’s Compliance Department has the authority

to address disciplinary matters through investigation and enforcement procedures in accordance with Section VII of the Exchange Rulebook.

Core Principle 3 - Contracts not Readily Susceptible to Manipulation: A description of the underlying cash markets and deliverable supply analysis for the Exchange's contracts was provided for the futures contracts, which demonstrates compliance that the Exchange's new contracts are not readily susceptible to manipulation.

Core Principle 4 - Prevention of Market Disruption: Trading in the Exchange's contracts will be subject to the Nodal Exchange Rulebook Section VI, which prohibits disruptive trading behavior and manipulation, subject to monitoring and surveillance by the Exchange's Division of Market Administration and Surveillance.

Core Principle 5 - Position Limitations or Accountability: The spot-month speculative position limits for the Exchange's contracts are set at less than 25% of the deliverable supply in the respective underlying market. In addition, the Exchange monitors and enforces position accountability rules for individual single-month and all-months combined, which are also within 25% of deliverable supply. The new contract reporting levels, accountability levels and position limits are provided in attached Exhibit C, to be added to the Nodal Exchange Rulebook Appendix C – Reporting Levels, Position Accountability Levels and Position Limits.

Core Principle 7 - Availability of General Information: The Exchange will post general information, including the contract specifications for the new contracts, Exchange fees, and the Nodal Exchange Rulebook, on the Exchange's website: [www.nodalexchange.com](http://www.nodalexchange.com).

Core Principle 8 - Daily publication of Trading Information: The Exchange will publish daily information on settlement prices, volume, open interest and opening and closing ranges for the Exchange's actively traded contracts on its website.

Core Principle 9 - Execution of Transactions: The Exchange's new contracts will be available on the Exchange's electronic trading screen that is a central limit order book ("CLOB"). The CLOB provides the market with the ability to execute the Exchange's contracts from the interaction of multiple bids and multiple offers within a predetermined, nondiscretionary automated trade matching and execution algorithm.

Core Principle 10 - Trade Information: The CLOB will maintain all information with respect to each order and each consummated trade, as well as all other information relating to the trade environment that determines the matching and clearing of trades. As such, any order submitted to the CLOB can be tracked from the time it is entered into the system until the time that it is matched, canceled or otherwise removed.

Core Principle 11 - Financial Integrity of Transactions: The Exchange has entered into a clearing arrangement with Nodal Clear, a derivatives clearing organization subject to Part

39 of the Commission Regulations. The new contracts executed on the CLOB or as a block trade will be subject to the Exchange Rulebook provisions for submission to Nodal Clear for clearing as described in Section V.

Core Principle 12 - Protection of Markets and Market Participants: Section VI of the Nodal Exchange Rulebook protects the market and market participants from abusive, disruptive, fraudulent, noncompetitive and unfair conduct and trade practices. The new contracts are subject to these rules that apply to all transactions in the Exchange's contracts.

Core Principle 13 - Disciplinary Procedures: Section VII of the Nodal Exchange Rulebook describes the disciplinary procedures of the Exchange that authorize the Exchange to discipline, suspend, or expel anyone on the Exchange that violates these rules.

Core Principle 14 - Dispute Resolution: Section VIII of the Nodal Exchange Rulebook establishes rules concerning alternative dispute resolution, which provide for the resolution of disputes between or among Exchange users through the NFA arbitration program. Under Section VIII, arbitration is available for all disputes, controversies or claims among all Exchange users relating to Exchange activities.

Pursuant to Section 5c(c) of the Act and the Commission's Regulation 40.2(a), the Exchange certifies that the Exchange's new futures and options contracts to be listed comply with the Act and the Commission's Regulations thereunder.

Nodal Exchange certifies that this submission has been concurrently posted on the Nodal Exchange website at [www.nodalexchange.com](http://www.nodalexchange.com).

If you have any question or need additional information regarding the above, please contact the undersigned at 703-962-9853 or [markotic@nodalexchange.com](mailto:markotic@nodalexchange.com) or Ken McCracken, Chief Regulatory Officer & General Counsel at 703-962-9835 or [mccracken@nodalexchange.com](mailto:mccracken@nodalexchange.com).

Sincerely,  
/s/ Max Markotic  
Managing Director

Attachments:

Exhibit A: June 30, 2023 Addition to Nodal Exchange Appendix A - Contract Specifications

**Confidential** Exhibit B: Deliverable Supply Analysis (*Confidential Treatment Requested*)

Exhibit C: June 30, 2023 Addition to Nodal Exchange Appendix C - Reporting Levels, Accountability Levels and Position Limits

**Exhibit A – Contract Specifications**  
**(Rulebook Appendix A)**

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM PEPCO DC Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, PJM PEPCO DC, Day Ahead  |
| <b>Contract Code</b>                   | UAB   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 49 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM PEPCO MD Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, PJM PEPCO MD, Day Ahead  |
| <b>Contract Code</b>                   | UAC   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 49 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### PJM PENN POWER Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, PJM PENN POWER, Day Ahead  |
| <b>Contract Code</b>                   | UAD   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 49 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO GENESE Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO GENESE, Day Ahead  |
| <b>Contract Code</b>                   | UAE   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |



**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO CENTRL Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO CENTRL, Day Ahead  |
| <b>Contract Code</b>                   | UAF   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO NORTH Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO NORTH, Day Ahead   |
| <b>Contract Code</b>                   | UAG   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### NYISO MHK VL Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO MHK VL, Day Ahead  |
| <b>Contract Code</b>                   | UAH   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO CAPITL Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO CAPITL, Day Ahead  |
| <b>Contract Code</b>                   | UAI   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO MILLWD Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO MILLWD, Day Ahead  |
| <b>Contract Code</b>                   | UAJ   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO DUNWOD Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, NYISO DUNWOD, Day Ahead  |
| <b>Contract Code</b>                   | UAK   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LBMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.CONNECTICUT Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.CONNECTICUT, Day Ahead  |
| <b>Contract Code</b>                   | UAL   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**ISONE .Z.NEMASSBOST Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.NEMASSBOST, Day Ahead   |
| <b>Contract Code</b>                   | UAM   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |



## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.NEWHAMPSHIRE Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.NEWHAMPSHIRE, Day Ahead   |
| <b>Contract Code</b>                   | UAN   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**ISONE .Z.RHODEISLAND Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.RHODEISLAND, Day Ahead  |
| <b>Contract Code</b>                   | UAO   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.SEMASS Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.SEMASS, Day Ahead   |
| <b>Contract Code</b>                   | UAP   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.WCMASS Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.WCMASS, Day Ahead   |
| <b>Contract Code</b>                   | UAQ   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**ISONE .Z.MAINE Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.MAINE, Day Ahead  |
| <b>Contract Code</b>                   | UAR   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**ISONE .Z.VERMONT Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, ISONE .Z.VERMONT, Day Ahead  |
| <b>Contract Code</b>                   | UAS   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0800 – 2300, Sunday, Saturday, and all NERC holidays, EPT.  |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract  |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 LMP for all 2x16 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**MISO ILLINOIS.HUB Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, MISO ILLINOIS.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UAT   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0700 – 2200, EST, Sunday, Saturday, and all NERC holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, the definition of 2x16 hours is Hour Ending (HE) 0800–2300 EST, Saturday, Sunday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.  |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_lmp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_lmp.csv</a>                                |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**MISO MICHIGAN.HUB Monthly Day Ahead 2x16 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>  |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, MISO MICHIGAN.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UAV   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0700 – 2200, EST, Sunday, Saturday, and all NERC holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, the definition of 2x16 hours is Hour Ending (HE) 0800–2300 EST, Saturday, Sunday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.  |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv</a>                                |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |



## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### MISO MINN.HUB Monthly Day Ahead 2x16 Power Contract

| ITEM                                   | SPECIFICATION   |
|--|---|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 2x16 Power, MISO MINN.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UAW   |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>   |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract  |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 2x16 hours within the month traded, so in a month with 144 2x16 hours, the Lot Size equals 144 MWh. The definition of 2x16 hours is Hour Ending (HE) 0700 – 2200, EST, Sunday, Saturday, and all NERC holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, the definition of 2x16 hours is Hour Ending (HE) 0800–2300 EST, Saturday, Sunday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars  |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh  |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh  |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.  |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months   |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price   |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate   |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 2x16 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv</a>                                |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day   |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>   |
| <b>Margin Unit</b>                     | US Dollars  |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### PJM PEPCO DC Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, PJM PEPCO DC, Day Ahead  |
| <b>Contract Code</b>                   | UAX  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 49 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### PJM PEPCO MD Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, PJM PEPCO MD, Day Ahead  |
| <b>Contract Code</b>                   | UAY  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 49 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**PJM PENN POWER Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, PJM PENN POWER, Day Ahead  |
| <b>Contract Code</b>                   | UAZ  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 49 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These prices can be found at the following link or at successor location <a href="https://dataminer2.pjm.com/feed/da_hrl_lmgs">https://dataminer2.pjm.com/feed/da_hrl_lmgs</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO GENESE Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO GENESE, Day Ahead  |
| <b>Contract Code</b>                   | UBA  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### NYISO CENTRL Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO CENTRL, Day Ahead  |
| <b>Contract Code</b>                   | UBC  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO NORTH Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO NORTH, Day Ahead   |
| <b>Contract Code</b>                   | UBD  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### NYISO MHK VL Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO MHK VL, Day Ahead  |
| <b>Contract Code</b>                   | UBE  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |



**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO CAPITL Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO CAPITL, Day Ahead  |
| <b>Contract Code</b>                   | UBF  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO MILLWD Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO MILLWD, Day Ahead  |
| <b>Contract Code</b>                   | UBG  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**NYISO DUNWOD Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, NYISO DUNWOD, Day Ahead  |
| <b>Contract Code</b>                   | UBH  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The fourth business day following the last calendar day of the month   |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LBMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv">http://mis.nyiso.com/public/csv/damlbmp/&lt;yyyymmdd&gt;damlbmp_zone.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.CONNNECTICUT Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.CONNNECTICUT, Day Ahead   |
| <b>Contract Code</b>                   | UBI  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.NEMASSBOST Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.NEMASSBOST, Day Ahead   |
| <b>Contract Code</b>                   | UBJ  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/da-lmp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.NEWHAMPSHIRE Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.NEWHAMPSHIRE, Day Ahead   |
| <b>Contract Code</b>                   | UBK  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.RHODEISLAND Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.RHODEISLAND, Day Ahead  |
| <b>Contract Code</b>                   | UBL  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-ahead/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-ahead/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.SEMASS Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.SEMASS, Day Ahead   |
| <b>Contract Code</b>                   | UBM  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |



## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.WCMASS Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.WCMASS, Day Ahead   |
| <b>Contract Code</b>                   | UBN  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-ahead/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-ahead/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### ISONE .Z.MAINE Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.MAINE, Day Ahead  |
| <b>Contract Code</b>                   | UBO  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**ISONE .Z.VERMONT Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, ISONE .Z.VERMONT, Day Ahead  |
| <b>Contract Code</b>                   | UBP  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0700 and HE 2400, Sunday through Saturday, EPT.  |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | The first business day after the last trading day of the current expiring contract   |
| <b>Last Trading Day</b>                | The third business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 LMP for all 7x8 hours. These price files can be found at the following link or at successor location. <a href="http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv">http://www.iso-ne.com/histRpts/day-imp/WW_DALMP_ISO_&lt;yyyymmdd&gt;.csv</a> |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### MISO ILLINOIS.HUB Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, MISO ILLINOIS.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UBQ  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0600 and 2300-2400, EST, Sunday through Saturday, and all NERC Holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, 7x8 hours include 0100– 0700 and 2400, EST, Sunday through Saturday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.   |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv</a>                                      |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

## NODAL EXCHANGE CONTRACT SPECIFICATIONS

### MISO MICHIGAN.HUB Monthly Day Ahead 7x8 Power Contract

| ITEM                                   | SPECIFICATION  |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, MISO MICHIGAN.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UBR  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0600 and 2300-2400, EST, Sunday through Saturday, and all NERC Holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, 7x8 hours include 0100– 0700 and 2400, EST, Sunday through Saturday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.   |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv</a>                                      |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**NODAL EXCHANGE CONTRACT SPECIFICATIONS**

**MISO MINN.HUB Monthly Day Ahead 7x8 Power Contract**

| <b>ITEM</b>                            | <b>SPECIFICATION</b>   |
|--|--|
| <b>Contract Description</b>            | Monthly Cash Settled Financial 7x8 Power, MISO MINN.HUB, Day Ahead   |
| <b>Contract Code</b>                   | UBS  |
| <b>Hours of Trading</b>                | As defined at <a href="http://www.nodalexchange.com">http://www.nodalexchange.com</a>  |
| <b>Unit of Trading</b>                 | 1 lot, based on 1 MW for each hour of the contract   |
| <b>Lot Size</b>                        | Variable, expressed in megawatt hour (MWh). The Lot Size will equal 1 MW multiplied by the number of 7x8 hours within the month traded, so in a month with 248 7x8 hours, the Lot Size equals 248 MWh. The definition of 7x8 hours is Hour Ending (HE) 0100 – 0600 and 2300-2400, EST, Sunday through Saturday, and all NERC Holidays during Daylight Saving Time. No hours will be added or subtracted due to DST adjustments. For the rest of the year, 7x8 hours include 0100– 0700 and 2400, EST, Sunday through Saturday and all NERC Holidays. |
| <b>Currency</b>                        | US Dollars   |
| <b>Min Price Fluctuation</b>           | \$0.0001 per MWh   |
| <b>Minimum Tick</b>                    | \$0.0001 per MWh   |
| <b>First Trading Day</b>               | One additional year of expiries will be available each January on the first business day after the last trading day of the expiring December contract.   |
| <b>Last Trading Day</b>                | The sixth business day following the last calendar day of the month  |
| <b>Contract Series</b>                 | 69 months  |
| <b>Fixed Price</b>                     | The traded price or the previous day's settlement price  |
| <b>Daily Settlement Price</b>          | Determined by the Exchange based on exchange activity, other market data, and extrapolation to traded contracts, as appropriate  |
| <b>Final Settlement Price</b>          | 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 Ex Post LMP for all 7x8 hours. These price files can be found at the following link or at successor location.<br><a href="https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv">https://www.misoenergy.org/Library/Repository/MarketReports/&lt;yyyymmdd&gt;_da_expost_imp.csv</a>                                      |
| <b>Final Settlement (Payment) Date</b> | The first business day following the Last Trading Day  |
| <b>Position Limit</b>                  | <a href="https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF">https://www.nodalexchange.com/files/autogenerated/Nodal_Rulebook_Appendix_C-Limits_and_Levels.PDF</a>  |
| <b>Margin Unit</b>                     | US Dollars   |

**Nodal Exchange, LLC Rulebook Appendix C: Reporting Levels, Accountability Levels and Position Limits**

| Physical Commodity Code | Contract Name                        | Reporting Level | Spot Month Position Limit (lots) | Single Month Accountability Level (lots) | All Month Accountability Level (lots) | Aggregation Group* | CFTC Referenced Contract |
|-------------------------|--------------------------------------|-----------------|----------------------------------|--|---------------------------------------|--------------------|--------------------------|
| UAB                     | PJM.PEPCO DC_month_2x16_dap          | 25              | 1020                             | 1020                                     | 12240                                 | 188                | 0                        |
| UAC                     | PJM.PEPCO MD_month_2x16_dap          | 25              | 1903                             | 1903                                     | 22836                                 | 188                | 0                        |
| UAD                     | PJM.PENN POWER_month_2x16_dap        | 25              | 573                              | 573                                      | 6876                                  | 42                 | 0                        |
| UAE                     | NYISO.GENESE_month_2x16_dap          | 25              | 1210                             | 1210                                     | 14520                                 | 99                 | 0                        |
| UAF                     | NYISO.CENTRL_month_2x16_dap          | 25              | 3626                             | 3626                                     | 43512                                 | 54                 | 0                        |
| UAG                     | NYISO.NORTH_month_2x16_dap           | 25              | 1087                             | 1087                                     | 13044                                 | 172                | 0                        |
| UAH                     | NYISO.MHK VL_month_2x16_dap          | 25              | 930                              | 930                                      | 11160                                 | 152                | 0                        |
| UAI                     | NYISO.CAPITL_month_2x16_dap          | 25              | 1634                             | 1634                                     | 19608                                 | 50                 | 0                        |
| UAJ                     | NYISO.MILLWD_month_2x16_dap          | 25              | 1360                             | 1360                                     | 16320                                 | 158                | 0                        |
| UAK                     | NYISO.DUNWOD_month_2x16_dap          | 25              | 726                              | 726                                      | 8712                                  | 89                 | 0                        |
| UAL                     | ISONE..Z.CONNNECTICUT_month_2x16_dap | 25              | 5151                             | 5151                                     | 61812                                 | 3                  | 0                        |
| UAM                     | ISONE..Z.NEMASSBOST_month_2x16_dap   | 25              | 2911                             | 2911                                     | 34932                                 | 7                  | 0                        |
| UAN                     | ISONE..Z.NEWHAMPSHIRE_month_2x16_dap | 25              | 2229                             | 2229                                     | 26748                                 | 9                  | 0                        |
| UAO                     | ISONE..Z.RHODEISLAND_month_2x16_dap  | 25              | 1070                             | 1070                                     | 12840                                 | 11                 | 0                        |
| UAP                     | ISONE..Z.SEMASS_month_2x16_dap       | 25              | 1735                             | 1735                                     | 20820                                 | 13                 | 0                        |
| UAQ                     | ISONE..Z.WCMASS_month_2x16_dap       | 25              | 1984                             | 1984                                     | 23808                                 | 17                 | 0                        |
| UAR                     | ISONE..Z.MAINE_month_2x16_dap        | 25              | 1440                             | 1440                                     | 17280                                 | 5                  | 0                        |
| UAS                     | ISONE..Z.VERMONT_month_2x16_dap      | 25              | 600                              | 600                                      | 7200                                  | 15                 | 0                        |
| UAT                     | MISO.ILLINOIS.HUB_month_2x16_dap     | 25              | 8733                             | 8733                                     | 104796                                | 115                | 0                        |
| UAV                     | MISO.MICHIGAN.HUB_month_2x16_dap     | 25              | 18409                            | 18409                                    | 220908                                | 156                | 0                        |
| UAW                     | MISO.MINN.HUB_month_2x16_dap         | 25              | 11380                            | 11380                                    | 136560                                | 160                | 0                        |
| UAX                     | PJM.PEPCO DC_month_7x8_dap           | 25              | 855                              | 855                                      | 10260                                 | 188                | 0                        |
| UAY                     | PJM.PEPCO MD_month_7x8_dap           | 25              | 1596                             | 1596                                     | 19152                                 | 188                | 0                        |
| UAZ                     | PJM.PENN POWER_month_7x8_dap         | 25              | 478                              | 478                                      | 5736                                  | 42                 | 0                        |
| UBA                     | NYISO.GENESE_month_7x8_dap           | 25              | 1016                             | 1016                                     | 12192                                 | 99                 | 0                        |
| UBC                     | NYISO.CENTRL_month_7x8_dap           | 25              | 3132                             | 3132                                     | 37584                                 | 54                 | 0                        |
| UBD                     | NYISO.NORTH_month_7x8_dap            | 25              | 1036                             | 1036                                     | 12432                                 | 172                | 0                        |
| UBE                     | NYISO.MHK VL_month_7x8_dap           | 25              | 796                              | 796                                      | 9552                                  | 152                | 0                        |
| UBF                     | NYISO.CAPITL_month_7x8_dap           | 25              | 1416                             | 1416                                     | 16992                                 | 50                 | 0                        |
| UBG                     | NYISO.MILLWD_month_7x8_dap           | 25              | 1123                             | 1123                                     | 13476                                 | 158                | 0                        |
| UBH                     | NYISO.DUNWOD_month_7x8_dap           | 25              | 596                              | 596                                      | 7152                                  | 89                 | 0                        |
| UBI                     | ISONE..Z.CONNNECTICUT_month_7x8_dap  | 25              | 4206                             | 4206                                     | 50472                                 | 3                  | 0                        |
| UBJ                     | ISONE..Z.NEMASSBOST_month_7x8_dap    | 25              | 2406                             | 2406                                     | 28872                                 | 7                  | 0                        |
| UBK                     | ISONE..Z.NEWHAMPSHIRE_month_7x8_dap  | 25              | 1797                             | 1797                                     | 21564                                 | 9                  | 0                        |
| UBL                     | ISONE..Z.RHODEISLAND_month_7x8_dap   | 25              | 875                              | 875                                      | 10500                                 | 11                 | 0                        |
| UBM                     | ISONE..Z.SEMASS_month_7x8_dap        | 25              | 1437                             | 1437                                     | 17244                                 | 13                 | 0                        |
| UBN                     | ISONE..Z.WCMASS_month_7x8_dap        | 25              | 1651                             | 1651                                     | 19812                                 | 17                 | 0                        |
| UBO                     | ISONE..Z.MAINE_month_7x8_dap         | 25              | 1204                             | 1204                                     | 14448                                 | 5                  | 0                        |
| UBP                     | ISONE..Z.VERMONT_month_7x8_dap       | 25              | 539                              | 539                                      | 6468                                  | 15                 | 0                        |
| UBQ                     | MISO.ILLINOIS.HUB_month_7x8_dap      | 25              | 7546                             | 7546                                     | 90552                                 | 115                | 0                        |
| UBR                     | MISO.MICHIGAN.HUB_month_7x8_dap      | 25              | 15908                            | 15908                                    | 190896                                | 156                | 0                        |
| UBS                     | MISO.MINN.HUB_month_7x8_dap          | 25              | 9834                             | 9834                                     | 118008                                | 160                | 0                        |