



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

NYISO Consumer Interest Liaison Weekly Summary

June 20 – June 24, 2016

Notices:

- The NYISO's Market Training Team will be offering the **in-class MT-304 Accounting and Billing Course** in October. The MT-304 Accounting and Billing Course provides participants knowledge of the settlements associated with Power Suppliers, Load Serving Entities, Transactions, Virtual Trading, Demand Response, and Transmission Owners; along with a basic understanding of the Consolidated Invoice and Decision Support System.
 - **October 18 through October 20th, 2016 8:30 AM to 4:30 PM**
For additional information on course registration and/or hotel accommodations, please contact ddoyle@nyiso.com or 518-356-6274.
- The following user guides have been updated to support NYISO's transition to NAESB compliant digital certificates.
 - [UG-01](#) Market Participant User's Guide
 - [UG-02](#) ICAP Automated Market System User's Guide
 - [UG-09](#) Wind Plant Operator Data User's Guide
 - [UG-11](#) Demand Response Information System User's Guide
 - [UG-14](#) Joint Energy Scheduling System User's Guide
 - [UG-15](#) ICAP Reference System User's Guide
- You can find the updated versions on the [NYISO Manuals & Guides](#) webpage under the 'User Guides' folder.

Meeting Summaries:

Tuesday, June 21, 2016

Joint Market Issues/Price Responsive Load Working Group
Distributed Energy Resources Roadmap Presentation Feedback



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

Matt Darcangelo of the NYISO presented stakeholder feedback received during and after the introductory presentation of the Distributed Energy Resource Program (DERP) roadmap for the next three to five years. Mr. Darcangelo highlighted the key objectives for the roadmap:

- *Integrate DERs into energy markets*
 - *Ability for real time scheduling*
 - *Minimize out of market actions*
- *Align with the goals of NYS REV (New York State Reforming the Energy Vision program)*
- *Provide for Measurement and Verification*
- *Align payments with performance*
- *Focus on the wholesale market*

Comments made by several stakeholders suggest that they would like the rules for DER participation in NYISO-administered wholesale markets to be:

- *Technology agnostic*
- *Broad and focused on NYISO system needs*
- *Flexible to accommodate future technologies and innovation*
- *Focused on high value market changes and promote resource diversity*

Several additional comments were noted by Mr. Darcangelo and discussed with stakeholders. The NYISO will continue to accept stakeholder comments throughout the process. A special request was made by Mr. Darcangelo for stakeholders to develop a new name for this initiative, as DERP may not be the most suitable acronym for a progressive process. The draft DER roadmap will be released in the late Q2/early Q3 timeframe and will be followed with a DER Workshop. To see Mr. Darcangelo's complete presentation, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-21/DER%20Roadmap%20Presentation%20Comments%202016.pdf

Wednesday, June 22, 2016

Electric System Planning Working Group

2016 RNA: Preliminary Results

Laura Popa of the NYISO, along with other NYISO representatives, presented a summary of the 2016 Reliability Needs Assessment (RNA) ("1st pass") Base Case results. The objective of providing the preliminary ("1st pass") Reliability Needs (RN) early in the process is to encourage stakeholder feedback regarding firm changes prior to the final ("2nd pass") assessment. System changes that occur after the preliminary ("1st pass") RN, such as updated Local Transmission Plans (LTPs) that may impact the RN, changes in Bulk Power Transmission Facilities (BPTFs), and changes in resources will be incorporated into the final Base Case. The new lock-down date is Tuesday, July 5, 2016. Ms. Popa presented the 10 year Load Forecasts for the 2016 RNA and compared them to the 2014 RNA results. Stakeholders suggested that the behind-the-meter solar photo voltaic impact on the forecast was not sufficiently noted. The NYISO agreed to provide clarification in the Report. Ms. Popa detailed the transmission additions, generator deactivations and generator additions since the 2014 RNA and noted the differences in relation to the five year outlook.



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

Bill Lamanna of the NYISO presented the Resource Adequacy (RA) updates to the Assumption Matrix. Mr. Lamanna provided bubble diagrams of the system topology reflecting current conditions and the ten year outlook. The effects of ending the PSEG/ConEd wheel and the addition of CPV Valley were highlighted in the discussion. The RA 1st pass conclusion is that the Loss of Load Expectation (LOLE) is less than 0.1 criterion; therefore, no resource adequacy Reliability Needs are identified as a result of this assessment.

Kevin DePugh of the NYISO presented the results of the 2016 RNA Transmission Security assessment. Mr. DePugh provided a New York State map depicting the areas of Transmission Reliability Needs anticipated in the study along with a list of the Needs noting the Responsible TO.

The NYISO will now proceed to finalize the Base Cases and identify the final (“2nd pass”) RN. In parallel with the 2nd pass, the NYISO will finalize the scenarios on the original Base Cases. The NYISO anticipates providing the draft reports beginning in July to allow stakeholders the opportunity to comment and to provide the final RN report, including scenarios, and start the approval process by the end of August. To see the complete 2016 Reliability Needs Assessment (RNA) (“1st pass”) Base Case as presented, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_espwg/meeting_materials/2016-06-22/2016RNA_PreliminaryResults.pdf

Thursday, June 23, 2016

Market Issues Working Group

June 22, 2016 DAM Posting

Wes Yeomans of the NYISO presented a brief explanation of the cause of the Day-Ahead Market (DAM) posting not meeting the 11:00 am requirement on Tuesday, June 22, 2016. Mr. Yeomans explained that the problem was with the transfer of data to the SCUC process, prior to SCUC running. The NYISO sent four email notices to the market throughout the delay and completed the DAM posting by 3:52pm. The Real-Time Market operated properly throughout the day. The NYISO will provide additional information at a future stakeholder meeting.

ConEd/ PSEG Wheel -- Update and Next Steps

Ethan Avallone of the NYISO presented an update on the process to determine how to provide open access transmission service between the PJM and NYISO control areas, and how to best utilize the ABC and JK interfaces, after the termination of the long-term firm point-to-point transmission service agreement (commonly referred to as the ConEd PSEG wheel) with PSEG, effective May 1, 2017. The NYISO and PJM will develop a whitepaper outlining their proposal over the next few weeks. A timeline was presented to illustrate the timing of the steps that must be addressed through the process. The NYISO is anticipating an October BIC and MC vote on draft tariff language for the solution. To see Mr. Avallone’s presentation, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/ConEd-PSEG%20Wheel%20June%20MIWG%20FINAL.pdf



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

Broader Regional Markets Metrics

Metrics were provided for the Broader Regional Markets (BRM) initiative for the month of May 2016 with the MIWG meeting materials. To see the materials, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/Monthly%20Report%20-%202016_05.pdf

DAMAP Enhancements

Jennifer Boyle of the NYISO presented enhancements to the Day-Ahead Margin Assurance payment eligibility criteria and calculations. NYISO proposes to revise the calculation of the avoided cost of MWs between zero MW and the bid min gen MW to instead employ only the \$/MWh cost from the min gen component of the unit's bid to improve consistency between bid cost evaluation in scheduling and settlement. Ms. Boyle provided an example to compare the current and proposed settlement calculations for clarity. The NYISO is targeting a second quarter 2017 implementation for this revision. To see the complete presentation by Ms. Boyle please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/DAMAP%20Enhancements%20May%20MIWG%20DRAFT_Final_.pdf

Lake Erie Loop Flow Modifications

Tolu Dina of the NYISO presented modifications to how Lake Erie Loop Flow values will be initialized in the Real-Time Energy Markets. The impact of Lake Erie Loop Flow on grid reliability and Real-Time Market real-time market resource scheduling and pricing has been exacerbated in recent months due to prevalent West Zone transmission constraints since the retirement of the Huntley Generating Station at the end of February 2016. Unscheduled clockwise loop flow in real-time reduces the transmission capacity available on these lines for internal generation and external transaction imports to satisfy internal load and increases unnecessary pricing volatility. The NYISO will make two modifications to the system:

- NYISO plans to cap the maximum value of loop flow used to initialize RTC. RTC will initialize with the current loop flow but will not allow the initialized CCW loop flow to 0 MW in all intervals exceed 0MW.
- NYISO plans to cap the maximum value of loop flow assumption change between successive RTD initializations. To start, the cap will be +/-75 MW.

Stakeholders requested that the NYISO include data to support the above decisions. The NYISO committed to post an appendix featuring this data to the meeting materials. The anticipated date of the implementation of these modifications is June 28, 2016. The NYISO will continue to monitor reliability and market outcomes to identify further potential opportunities to improve the market models and the NYISO will keep stakeholders apprised of its analysis and actions. To see the complete presentation by Mr. Dina please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/Lake%20Erie%20Loop%20Flow%20Modifications.pdf



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

Autumn 2016 Centralized TCC Auction Survey and Discussion

Greg Williams of the NYISO presented the results of the Autumn 2016 Centralized TCC Auction survey. The NYISO polled current TCC Market Participants to solicit information about the demand for TCCs of various durations in future auctions as well as the desired structure of the Autumn 2016 Centralized TCC Auction. Mr. Williams displayed tables with stakeholder preferences with percentages of capacity for each duration of the auction and the total number of rounds preferred for each duration. Preferences for future auctions were also provided. A list of stakeholder comments was offered for transparency. For the Autumn 2016 Auction, the NYISO is proposing:

- *20% of System Capacity as one-year TCCs across three auction rounds; and*
50% of System Capacity as six-month TCCs across four auction rounds

A proposed schedule was provided beginning on August 12, 2016 and concluding on October 13, 2016 with Round 7. The NYISO will seek the required unanimous agreement by the Transmission Owners for the NYISO to conduct fewer than four rounds in any Sub-Auction. To see the complete presentation, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/Autumn%202016%20TCC%20Auction%20Survey%20and%20Discussion-FINAL-Approved.pdf

Effective Date of Temporary Awards of Incremental TCCs

Greg Williams of the NYISO presented an update to the TCC Manual addressing the effective date of temporary awards of Incremental TCCs. Consistent with the OATT, the proposed revisions to Section 6.4.1 of the TCC Manual clarify that:

- *Temporary awards of Incremental TCCs will now be allowed to become effective as early as the date of actual commercial operation of the Expansion at issue without requiring a ten business day waiting period*
- *The date Attachment Q of the TCC Manual is submitted by the developer of the relevant Expansion will no longer impact the effective date of temporary awards of Incremental TCCs.*

Technical Bulletin 236 was created to clarify the effective date of temporary awards of Incremental TCCs during the period in which revisions to the TCC Manual are completing review through the shared governance process and will be retired when the TCC Manual updates become effective. The NYISO will seek stakeholder approval of the proposed revisions to Section 6.4.1 of the TCC Manual at the July 13, 2016 BIC meeting. To see the complete presentation, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/Temporary%20Incremental%20TCC%20Effective%20Date-FINAL-Approved.pdf

Highlights from the Quarterly Report on the New York ISO Markets First Quarter of 2016



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

Pallas LeeVanSchaick of Potomac Economics (Potomac) presented market highlights for the first quarter of 2016. Mr. LeeVanSchaick began with a review of market prices and explained the primary reasons for the decrease in average LBMPs for the quarter in relation to first quarter 2015. Mr. LeeVanSchaick provided a detailed explanation for energy and reserve price spikes that occurred on January 5, 2016 with a timeline of events and corresponding NYISO responses. Several aspects of market activity were highlighted and discussed with stakeholders. To see the material as presented by Potomac, please go to:

http://www.nyiso.com/public/webdocs/markets_operations/committees/bic_miwg/meeting_materials/2016-06-23/NYISO%20Quarterly%20Report_2016-Q1_MIWG%206-20-2016.pdf

For the complete report, "Highlights from the Quarterly Report on the New York ISO Electricity Markets First Quarter of 2016", please go to:

www.nyiso.com/public/markets_operations/documents/studies_reports/index.jsp

Friday, June 23, 2016

Budget and Priorities Working Group

2017 Project Prioritization & Budgeting Process

Ryan Smith of the NYISO presented the next step in the 2017 Project Prioritization and Budgeting Process. This was the third meeting in the process and included additional stakeholder project requests and comments and the opportunity for stakeholder advocacy for specific projects. Mr. Smith led a review of previously received stakeholder comments while providing the NYISO responses. Mr. Smith then presented the 2017 project candidates by product category, providing stakeholders the opportunity to advocate for specific projects and clarify project descriptions. In response to a stakeholder inquiry, Mr. Smith explained that internal NYISO projects were included in the Project Prioritization Process to ensure transparency in the NYISO budget process, providing stakeholders the opportunity to weigh in on both internal facing, as well as external facing NYISO projects. Mr. Smith recapped the scoring survey process and noted that the surveys will be distributed by the close of business, June 28, 2016. The July 12, 2016 BPWG will feature a review of the costs, benefits and dependencies of the project candidates. The deadline to submit the scoring surveys is July 19, 2016. To see Mr. Smith's presentation, complete with project descriptions, please go to:

http://www.nyiso.com/public/markets_operations/committees/meeting_materials/index.jsp?com=mc_bpwg

FERC Filings

June 22, 2016

NYISO compliance filing of a notice setting an effective date of June 22, 2016 for certain comprehensive scarcity pricing tariff provisions

June 21, 2016

NYISO notice of delay of effective date for Comprehensive Scarcity Pricing tariff provisions



Please note: This summary is provided for informational purposes only. It is not intended to be a substitute for the presentations and other information provided by the NYISO or the discussions that take place at the meetings

June 21, 2016

NYISO compliance filing of a copy of the Con Edison System Restoration Plan. This posting shows the filing letter only - hard copy plan is designated as CEII.

June 20, 2016

NYISO filing of proposed tariff revisions regarding NYISO's Cost Allocation Methodology for its Reliability Planning Process.

FERC Orders

There were no FERC Orders issued to NYISO for this week.

Link to FERC Filings and Orders:

http://www.nyiso.com/public/markets_operations/documents/tariffviewer/index.jsp