

NYISO Consumer Interest Liaison Weekly Summary

February 18 – February 22, 2019

Notices:

- The final version of the *NYISO Demand Response Information System User's Guide [UG-11]* has been posted to the [NYISO Manuals, Technical Bulletins, and Guides webpage](#) under Guides. The Demand Response Information System User's Guide has been updated to reflect the following changes within DRIS:
 - A new section detailing Documentation Vault Management was added (section 9)
 - Updated NYISO website screen shots for Accessing the System
 - Deleted references to Summer 2011 ACL
- The NYISO has completed an update to the public website. **Site users now have the ability to subscribe to the NYISO Events Calendar** which will add the selected meetings to their personal calendar. The subscription will continuously reflect any additions or changes made to the NYISO website calendar and remain synchronized with the most up-to-date information.
To subscribe to the NYISO Events Calendar, please follow the steps below:
 - Go to the [Support Page](#) on the NYISO public website
 - Under the *Tools & Services* heading on the lower right of the page, click the bottom link that says [Calendar Subscription](#)

Follow the instructions to subscribe to each calendar you would like to add. Please note, General Meetings are non-committee meetings.
- The DER Energy Market Design presentations reviewed at the February 4 and February 6 ICAP/MIWG/PRLWG meetings have been updated and reposted at the links below.
[DER Energy Market Design Part 1](#) [DER Energy Market Design Part 2](#)

Meeting Summaries:

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.

Wednesday, February 19, 2019

**Joint Installed Capacity/Market Issues/Price Responsive Load Working Group
Net Benefit Test Methodology Revision**

Dr. Chhandita Das of the NYISO updated the Net Benefit Test methodology incorporating comments received from stakeholders at a previous meeting. At the December 6, 2018 MIWG meeting, the NYISO presented an overview of the Net Benefit Test methodology for a discussion with stakeholders on some challenges with the existing methodology. Stakeholder comments during and after that presentation were considered in the proposed solution.

Dr. Das led a review of the current 8-step process used in the Net Benefit Test methodology and explained that the current methodology, dating back to 2009 – 2011 data, uses a limited range of offers between \$5 and \$350 per MWh to form the supply curves. Analyses using data from recent months found that the static offer range of \$5-\$350 per MWh produced distorted curves, hence a breakdown of the methodology. Graphs were provided to illustrate the issue.

Two factors were identified in the analysis based on data from recent months as the source of the issue:

- *The offer range varies from month to month.*
- *The heat rate range that is dependent on offers and gas prices is also subject to change as offers and gas prices vary*

The current methodology, using a static range for each month/year, has not produced expected outcomes as offers change with season and with time based on fuel prices, resource types, system changes, etc. Results of analysis were provided to show the distribution of offers across months within a year and across years.

- The solution to this issue is to implement the following conditions into the methodology
 - A dynamic offer range will be used to form the supply curves. The offer range will vary each month. The analyses will include all the offers between \$5 and the maximum generator DAM LBMP for the reference month.
- In addition, a heat rate cap will also be used
 - The heat rates will be capped at the monthly maximum DAM Generator LBMP observed.

The current and proposed Threshold Heat Rate methodology results were compared to illustrate the difference in results with the alternative offer caps.

With additional stakeholder feedback received at the MIWG presentation, the NYISO is considering further refinements prior to finalizing the proposal.

To see the presentation, please go to:

https://www.nyiso.com/documents/20142/5073363/745_RevisedOfferCap_MIWG_NYISO022019.pdf/baee73c8-55e2-75fe-35c2-4ba8221647c4

NY Renewables – Overview and Operation for 2018

Cameron McPherson of the NYISO presented an overview of wind and solar resource operations for 2018. Mr. McPherson began with a review of the growth of wind resources that entered the NYISO market in 2003 and have reached a total of 1,887 nameplate MWs in 2018.

Several graphs were provided to illustrate wind production:

- Monthly wind plant production 2015 – 2018
- Wind Capacity Factor profile
 - Monthly basis 2015 – 2018
- Monthly wind production by Zone
- Wind Capacity Factor distribution for 2018
- Wind Curtailment

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- Annual 2015 – 2018
- Monthly estimated curtailed energy
- Economic curtailment profile (% of monthly wind production)
- Economic curtailment duration
- Zonal economic curtailment
- Annual Curtailed Energy by Constraint

Some stakeholders requested that the information be provided in an hourly format for additional granularity. It was also noted by stakeholders that the Capacity Factor for wind resources seems to be lowest for the summer months.

Mr. McPherson also led a review of the behind-the-meter (BTM) solar resources in the NYCA. BTM Solar Capacity is estimated to be 1,415 nameplate MW to date. Mr. McPherson explained that the NYISO uses a Solar/PV monitoring vendor to monitor the power output in real-time. There are approximately 8,000 individual solar production sites monitored across NY. In response to a stakeholder question, Mr. McPherson explained that the 8,000 monitored sites represent roughly 10% of the total solar installations in the NYCA.

Graphs were provided to illustrate solar production:

- Monthly BTM Solar production
 - Included monthly Capacity Factor
- Monthly BTM Solar production by Zone
 - Included monthly Capacity Factor
- Solar Capacity Factor distribution

In response to a stakeholder question, the NYISO agreed to determine whether the Capacity Factor is affected by location within New York State and present the information at a future MIWG. A stakeholder requested that the data on solar production be provided to stakeholders in an hourly format to compare solar output to Summer Capability Peak Hours. Stakeholders also inquired as to whether the information contained in the presentation was being conveyed to policy makers in New York State to assist in establishing appropriate goals.

A revised version of the presentation including additional graphs and information will be posted with the February 19, 2019 meeting materials to incorporate stakeholder feedback received at the meeting.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/5073363/2018%20NYCA%20Renewables%20Presentation%20FINAL%200222019.pdf/d6e684f3-0fce-1f00-86d5-c27a480f33f3>

FERC Filings

February 22, 2019

NYISO answer to issues raised in comments and protests filed in response to NYISO's December 3, 2018 energy storage resource compliance filing

February 19, 2019

NYISO and PJM joint (RTOs) filing of first quarterly report on effort to develop Joint Operating Agreement (JOA) to resolve the concern described in the September 17, 2018 waiver request.

February 19, 2019

NYISO filing of an answer re: the Light Power and Gas of NY LLC complaint concerning its NYISO customer registration application

FERC Orders

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February 21, 2019

FERC order dismissed as moot NYISO's waiver request and accepted the December 19, 2018 effective date for the Order No. 831 tariff amendments concerning offer caps

February 22, 2019

FERC order accepted the Cost Reimbursement Agreement (SA No. 2444) between New York State Electric & Gas Corporation and Mid-Atlantic Interstate Transmission, LLC effective December 17, 2018, as requested

February 21, 2019

Order accepted Central Hudson's stated transmission revenue requirements in response to the Commission's Stated Rate Order to Show Cause and terminated the section 206 proceeding in Docket EL18-77-000.

Filings and Orders:

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