

## NYISO Consumer Interest Liaison Weekly Summary

**January 7 – January 11, 2019**

### Notices:

- *The NYISO Market Training Team is preparing to prepare you for 2019. At this time, [registration](#) is available for the following courses, both to be held at our offices, 10 Krey Boulevard, Rensselaer, NY:*
  - [March 12 – MT 101 Market Overview](#)
  - [April 2-5 – MT 201 New York Market Orientation Course \(NYMOC\)](#)
- *The NYISO has posted the “Locality Exchange Factors for May 2019 – April 2020”. The new Locality Exchange Factors are located at:  
<http://go.pardot.com/e/302901/installed-capacity-market/7vt56/106648803?h=Yd04q2w0vRli3vMOh2zf25ksMCvTehO5mECcWC60mtE>  
Under Announcements > Information and Announcements > Information and Announcements*
- *The 2019 Stakeholder Sector Meetings will be held at the Albany Capital Center, located at 55 Eagle Street in Albany, NY. Below is a listing of dates for the 2019 Sector Meetings. We ask that each sector provide [Debbie Eckels](#) with two dates as soon as possible. Meeting dates will be assigned on a first come, first served basis.*
  - ❖ *March 11, March 15, March 20, March 21, March 26*

### Meeting Summaries:

**Tuesday, January 8, 2019**

**Joint Installed Capacity/Market Issues/Price Responsive Load Working Groups**

2019 Market Projects

The NYISO presented all of the market design projects prioritized for 2019 to provide stakeholders with a preview of the work schedule for the year. Each Market Design Specialist noted the projects they were assigned along with a timeline for development.

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The Capacity Market Design team presented:

- *Enhancing Fuel and Energy Security*
- *External Capacity Performance & Obligations*
- *Tailored Availability Metric*
- *Demand Curve Reset (DCR)*
  - *A separate timeline was provided for the 2019/2020 DCR with the meeting materials*
- *Competitive Entry Exemption (CEE) for Additional CRIS*
- *Repowering*
  - *The NYISO is considering a request to include Repowering in the CEE proposal*

The Distributed Energy Resource (DER) Market Design team presented:

- *Enabling Technology for DER*
- *DER Participation Model Market Design*
  - *In response to a request to provide a firm timeline for the DER Participation Model, the NYISO noted that this would be possible once the functional requirement specifications (FRS) has been developed*
- *DER Pilot Program*

The Energy Market Design team presented:

- *Constraint Specific Transmission Shortage Pricing*
- *Enhanced Fast Start Pricing*
  - *Timeline will be provided following FERC Order issuance*
- *More Granular Operating Reserves*
  - *NYISO is considering accelerating the implementation of the Zone J reserve requirement to June 2019 based on some stakeholder feedback*
- *Reserve Procurement for Resilience*
- *Carbon Pricing*
  - *A separate timeline for the Carbon Pricing proposal development was provided with the meeting materials*
- *Ancillary Services Shortage Pricing*
- *Energy Storage Resource (ESR) Participation Model*

The NYISO noted stakeholder feedback and encouraged input as the projects develop. A stakeholder requested that the NYISO develop a format to provide quarterly project updates through the MIWG. The NYISO currently provides a monthly Project Milestone Update in the BPWG and agreed to consider a MIWG presentation also.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/4358080/2019%20Market%20Design%20Projects%20Outlook.pdf/2fac1c1e-db52-9233-d3cd-ea1bc5e68e74>

#### Valuing Capacity for Resources with Energy Limitations

Wes Hall of GE Energy Consulting (GE) presented the results of the study to determine the value of Installed Capacity resources with energy limitations. Following a review of the assumptions and methodology, Mr. Hall described the cases analyzed and presented the results of the study in terms of duration and penetration. Data were provided to demonstrate several aspects of capacity value:

- *Distribution of Event Duration for Daily Loss of Load Events*
- *Distribution of Size of Hourly Loss of Load Events*
- *Distribution of Loss of Energy for Daily Loss of Load Events*
- *Distribution of Maximum Hourly Size of Daily Loss of Load Events*

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- Distribution of Loss of Load Events by Time of Day
- Expected Loss of Energy by Time of Day

The analysis was performed for consistency with the 2012 SCR Study done by the NYSRC ICS, and is indicative of the Capacity Value of resources subject to the constraints of the existing Special Case Resource (SCR) Program.

Mr. Hall explained the results as determined by GE and responded to stakeholder feedback for detailed clarification.

To see the complete GE presentation, please go to:

[https://www.nyiso.com/documents/20142/4358080/01082019%20Capacity%20Value%20of%20Resources%20with%20Energy%20Limitations\\_v2.pdf/3499da16-12d8-16b7-b12f-be7650e64b63](https://www.nyiso.com/documents/20142/4358080/01082019%20Capacity%20Value%20of%20Resources%20with%20Energy%20Limitations_v2.pdf/3499da16-12d8-16b7-b12f-be7650e64b63)

Valuing Capacity for Resources with Energy Limitations – Preliminary Independent Assessment

Kevin Carden of Astrape Consulting (Astrape) presented the preliminary results of an independent study on the value of capacity for resources with energy limitations. Mr. Carden led a review of the approach used by Astrape and noted differences from the GE MARS simulation tool. The differences between the approach used in the Astrape tool and the GE MARS study include:

- *Treatment of load uncertainty*
- *Endogenous treatment of resource interactions*
- *Generator outage modeling*

The difference in the results of the Astrape study as compared to the GE Value of Capacity with Energy Limitations study was the former study (Astrape Study) indicating less days of high load values. The Astrape study also resulted in an Installed Reserve Margin (IRM) of 13.7% compared to the GE study that relied on an IRM of 18.2% that was determined by the New York State Reliability Council. Stakeholders requested that the NYISO staff meet with Astrape and GE representatives to determine the factors behind the differing results and report back to the ICAPWG.

To see the complete Astrape presentation, please go to:

<https://www.nyiso.com/documents/20142/4358080/Astrape%20presentation%208Jan2019.pdf/2b747067-531e-e869-a287-ff58730e2ec4>

**Wednesday, January 9, 2019**

**Joint Electric System Planning Working Group/Transmission Planning Advisory Subcommittee Study Reports under Consideration for Recommendation for OC Approval**

Queue# 560

Deer River Wind Farm  
100MW W/S  
Lewis County, NY

**Approved for recommendation for OC Approval**

Queue# 631

NS Power Express  
DC Transmission  
1000MW  
HQ > Astoria Annex 345Kv Station

**Approved for recommendation for OC Approval**

Queue# 632

Alps-Berkshire PAR Project

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AC Transmission  
600MW Unidirectional  
NG Alps Station > ISONE  
**Approved for recommendation for OC Approval with One Abstention**

Queue# 654  
Renovo Energy Center  
Transformer Tie Line  
230kV>345kV  
Renovo, PA > Chemung County, NY  
**Approved for recommendation for OC Approval subject to material posting following meeting**

#### Class Year 17 Update

Ed Cano of the NYISO noted that the anticipated completion of Class Year 2017 (CY17) has been moved to May 2019 and provided a summary of the Non-Material Modification Determinations for Queue numbers:

- *Q#579*
- *Q#596*
- *Hempstead Rail Road Facility*

To see the complete presentation, please go to: <https://www.nyiso.com/tpas>

#### Revised AC Transmission Report Comment Process

Zach Smith of the NYISO led a discussion with stakeholders on the recent NYISO Board of Directors (Board) recommendations for the AC Transmission determination. Mr. Smith began with a review of the process, noting the prior committee/working group presentations and discussions for reference. Following its review of the Draft Report and comments submitted by interested parties, the Board directed NYISO staff to conduct certain additional studies and analyses. After consideration of the additional analyses performed, the Board concluded that the more efficient or cost effective solution for Segment A is Project T027. The Board concluded that the most efficient or cost effective solution for Segment B is Project T019. The Board directed that the Draft Report be modified accordingly. Dawei Fan and Timothy Duffy of the NYISO described the additional studies and analyses including:

- Transfer Limit Analysis
- Cost per MW
- Operability
- Performance
- Production Cost Analysis
- ICAP Benefits
- Interconnection Studies

The NYISO led a review of the results of each additional analysis, and provided a ranking of the Segment B proposals.

The NYISO anticipates presenting the Revised Report to the Management Committee on February 27, 2019 at which time comments from the independent Market Monitoring Unit will be available. In response to a stakeholder question, Mr. Smith noted that there is not a requirement to conduct a vote at the Management Committee prior to sending the Revised Report to the NYISO Board. The Revised Report, along with comments from the MMU and interested parties, will be submitted to the Board for final review and action after the Management Committee meeting. It was recommended by the NYISO

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that any requests to present oral arguments to the NYISO Board should be submitted by February 1, 2019. All written comments should be submitted as early as possible, and no later than March 1, 2019. To see the complete presentation, please go to: <https://www.nyiso.com/tpas>

## **FERC Filings**

### **January 8, 2019**

NYISO motion to intervene and comments in support of the New York State Reliability Council filing of a 17.0% Installed Reserve Margin for the upcoming 2019-2020 Capability Year

### **January 11, 2019**

On behalf of NYSEG. Cost Reimbursement Agreement No. 2444 between NYSEG and Mid-Atlantic Interstate Transmission for modifications at Goudey substation

## **FERC Orders**

There were no FERC Orders issue to the NYISO for this week

## **Filings and Orders:**

[http://www.nyiso.com/public/markets\\_operations/documents/tariffviewer/index.jsp](http://www.nyiso.com/public/markets_operations/documents/tariffviewer/index.jsp)