

## NYISO Consumer Interest Liaison Weekly Summary

April 5 – April 9, 2021

### Notices:

- The NYISO has [posted](#) the **interface limits that will be effective in the May 2021 Balance-of-Period Auction** and all subsequent Summer 2021 Balance-of-Period Auctions. This posting can be found on the NYISO website under Markets > [Transmission Congestion Contracts](#) > Information and Announcements > 2021.
- The **NYISO Joint Board of Directors and Management Committee meeting** will be held June 14 –15, 2021 via Webex. Additional details on the event will be distributed in the upcoming weeks. Registration is required for this event. Please submit your RSVP by May 14, 2021 [here](#). Please contact Leigh Bullock at [lbullock@nyiso.com](mailto:lbullock@nyiso.com) or 518-461-2645 with questions.

### Meeting Summaries:

Tuesday, April 6, 2021

#### **Joint Installed Capacity/Market Issues/Price Responsive Load Working Group**

##### Reserve Enhancements for Constrained Areas

Pallavi Jain of the NYISO presented the 2021 ‘Reserve Enhancements for Constrained Areas’ project. The deliverable for this effort is a Q4 Study Complete. The study will investigate whether a dynamic reserve procurement methodology would be useful to improve market efficiency through enhancing competition of suppliers, and better aligning market outcomes with how the power system is operated. The Reserve Enhancements for Constrained Areas project study has two key components:

- *Dynamic Reserve Modeling*
  - Explore the feasibility of dynamically determining the minimum operating reserve requirements based on the single largest source contingency every market run
- *Transmission as Reserves*
  - Explore dynamic allocation of reserves based on available transmission capability (includes SOM2015-16)

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○ *More Granular Operating Reserves*

Several stakeholders provided feedback for NYISO consideration.

Ms. Jain also noted that the NYISO will provide a Consumer Impact Analysis on potential market design changes resulting from the study.

The next steps for the project include a discussion of the methodology to be used for the Consumer Impact Analysis targeted for September 2021. The results of Consumer Impact Analysis are targeted for presentation in October 2021. The findings of the study will be discussed with stakeholders through November 2021 leading to a final report presentation in December 2021.

To see the complete presentation, please go to:

[https://www.nyiso.com/documents/20142/20486949/Reserve%20Enhancements%20for%20Constrained%20Areas\\_ICAPWG\\_MIWG\\_04.06.2021.pdf/3fe850fe-fffd-2ec0-8312-7317a507ae07](https://www.nyiso.com/documents/20142/20486949/Reserve%20Enhancements%20for%20Constrained%20Areas_ICAPWG_MIWG_04.06.2021.pdf/3fe850fe-fffd-2ec0-8312-7317a507ae07)

Grid in Transition: Real Time Learning Session & Forecast Latency Discussion

Harris Eisenhardt and Ryan Patterson of the NYISO conducted a learning session on the real-time commitment and dispatch process followed with a stakeholder discussion of forecast latency.

Mr. Patterson led a review of the real-time commitment and dispatch process. Real-Time Commitment (RTC) and Real-Time Dispatch (RTD) are the two main processes used by the NYISO's real-time Energy and Ancillary Services (AS) markets to meet Load, Operating Reserves, and Regulation Service on a least-bid cost basis. Each step in the complex process was detailed for stakeholder information. Mr. Patterson next reviewed each input to RTC and RTD while responding to stakeholder questions.

Mr. Eisenhardt continued the presentation focusing on latency and accuracy with respect to each forecast input to the RTC/RTD process.

It was noted in the Reliability Gap Analysis that "short-term variations in output during the operating day as a result of changes in wind speed and cloud cover" will become increasingly impactful in the future "with a resource and output mix that includes much more intermittent resource output than today".<sup>1</sup> Mr. Eisenhardt discussed some factors associated with latency and accuracy:

- *Load Forecast*
- *Behind the Meter (BTM) Solar Forecast*
- *Wind Energy Forecast*

The NYISO continuously evaluates forecast accuracy and the results are publicly available. The NYISO will evaluate whether improvements can be made to BTM solar and Wind Energy Forecast accuracies, and discuss the scope of such an investigation at a future presentation.

Mr. Eisenhardt noted the feedback provided during the meeting and requested that any additional comments be sent to Ryan Patterson ([rpatterson@nyiso.com](mailto:rpatterson@nyiso.com)) and Harris Eisenhardt ([heisenhardt@nyiso.com](mailto:heisenhardt@nyiso.com)) for consideration and this feedback will be included in future discussions.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/20486949/Grid%20In%20Transition%20-%20Real%20Time%20Learning%20Session%20%20Forecast%20Latency%20Discussion.pdf/ccde2d1f-2e78-ae5-29cf-f87751391cd2>

**Wednesday, April 7, 2021**

**Joint Transmission Planning Advisory Subcommittee/Electric System Planning Working Group**

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<sup>1</sup> The Reliability and Market Considerations for a Grid in Transition report was published on December 20, 2019, and can be viewed here: <https://www.nyiso.com/documents/20142/2224547/Reliability-and-Market-Considerations-fora-Grid-in-Transition-20191220%20Final.pdf/61a69b2e-0ca3-f18c-cc39-88a793469d50>

Study Scopes under Consideration for Recommendation for OC Approval

Queue #852:

Niagara Dolomite Solar Project  
Solar Generation Power Plant  
180 MW W/S  
Niagara County, New York

***Recommended to the OC for approval***

Queue #1058:

NY Wind - Pilgrim Project  
Offshore Wind Generation Power Plant  
1,276 MW W/S  
Suffolk County, New York

***Recommended to the OC for approval***

Queue #1068:

Buchanan Point BESS Project  
Battery Energy Storage System  
500 MW W/S  
Westchester County, New York

***Recommended to the OC for approval***

Queue #1080:

Mineral Basin Solar Power Project  
Solar Photovoltaic Generation Plant  
401.64 MW W/S 6 hour duration  
Clearfield County, Pennsylvania

***Recommended to the OC for approval***

Queue #1086:

Buchanan Point BESS II Project  
Battery Energy Storage System  
500 MW W/S 6 hour duration  
Westchester County, New York

***Recommended to the OC for approval***

Queue #1103:

Thousand Island Solar Project  
Solar Photovoltaic Generation Plant  
110 MW W/S  
Jefferson County, New York

***Recommended to the OC for approval***

Queue #1114:

Wading River Energy Center Project  
Battery Energy Storage System  
50MW 4 hour duration

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Suffolk County, New York  
***Recommended to the OC for approval***

Queue #1116:  
Blue Hill Wind Project  
Wind Power Generation Plant  
25.43 MW S/ 27 MW W  
Madison County, New York  
***Recommended to the OC for approval***

Queue #1117:  
CLIES 70 MW Project  
Battery Energy Storage System  
70 MW 6 hour duration  
Suffolk County, NY  
***Recommended to the OC for approval***

Study Reports under Consideration for Recommendation for OC Approval

Queue #679:  
New York City Offshore Wind  
Offshore Wind Generation Power Plant  
1,200 MW W/S  
Brooklyn, New York  
***Recommended to the OC for approval***

Queue #857:  
Columbia Solar Energy Center  
Solar Photovoltaic Generation Plant  
350 MW W/S  
Herkimer County, New York  
***Recommended to the OC for approval***

Queue #858:  
Genesee Road Solar Energy Center  
Solar Photovoltaic Generation Plant  
350 MW W/S  
Erie County, New York  
***Recommended to the OC for approval***

Queue #899:  
Scriba Volney Series Reactor  
Series Reactor Installation  
Oswego County, New York  
***Recommended to the OC for approval***

**Thursday, April 8, 2021**  
**System Operations Advisory Subcommittee**

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## NYISO Operations Report – March 2021

### **Peak Load**

The peak load for the month was 20,795 MW, which occurred on Tuesday, March 2, 2021, HB18. Reserve requirements were as follows:

Reserve	10 Sync	Non-Sync	30 Min
Requirement	655	1,310	1,965
For Hour	1,053	2,360	4,573
DSASP Cont.	83	0	83

### **Major Emergencies:**

None

**Alert States** -- Alert State was declared on 4 occasions:

- 1 – System Frequency Low
- 1 – Shortage of 10 Minute Synch. Reserves
- 1 – Exceeding Transient Stability Limit
- 1 -- Other

Alert state was declared 6 times during March of 2020

### **Thunder Storm Alerts**

0 TSA were declared in March 2021 for a total of 0 hours

### **Reserve Activations** – 5

There was 1 Reserve Activation during March of 2020

### **Emergency Actions**

None

**TLR3 Declared** – 0 for a total of 0.0 hours

### **Thursday, April 8, 2021**

#### **Budget and Priorities Working Group**

Michael DeSocio of the NYISO conducted a learning session on internal controllable lines for stakeholders.

On October 15, 2020, the New York Public Service Commission (NYPSC) established a new Tier 4 Renewable Energy Credit (REC) within the Clean Energy Standard (CES). Through Tier 4, the State will procure the unbundled environmental attributes (*i.e.*, Tier 4 RECs) associated with renewable generation delivered into Zone J. The New York State Energy Research & Development Authority (NYSERDA) issued a Request for Proposal (RFP) for Tier 4 REC resources on January 13, 2021. Although there are no internal controllable lines in operation within the NYCA today, there is growing interest in understanding the NYISO's capabilities regarding the market and operational treatment of internal controllable lines, such as High Voltage Direct Current (HVDC) lines. Mr. DeSocio noted that this discussion was intended to both educate market participants on existing rules for internal controllable lines as well as to help develop the scope for a requested 2022 project for developing rules to facilitate internal controllable lines.

The NYISO's existing rules for evaluating interconnection requests for proposed internal controllable lines can be found in OATT Attachment P (Section 22), OATT Attachment S (Section 25) and OATT Attachment X (Section 30). Mr. DeSocio noted that the NYISO does not envision a need to revise these rules to accommodate new internal controllable line projects.

In the Installed Capacity Market, the NYISO's Tariff currently allows internal controllable lines to utilize an Internal Unforced Deliverability Right (UDR) construct where internal UDRs must be sourced from ROS and sink into a locality. Although high level rules exist to allow Internal UDRs to participate within the Installed Capacity Market, these rules will need to be revisited as part of the effort to develop rules for establishing energy schedules on internal controllable lines.

The NYISO's Tariff does not currently contain rules for the scheduling or pricing of internal controllable lines into the Energy Market. The NYISO has been considering high level concepts for scheduling and pricing internal controllable lines that would lead to efficient use of the line while supporting grid reliability. Mr. DeSocio explained that at this time, the NYISO believes that scheduling the internal controllable line to minimize as-bid production costs would be the most compatible with the existing Energy Market design.

In reference to the Transmission Congestion Contracts (TCC) Market, there are existing rules to handle new transmission projects contained in the OATT, Section 19 (Attachment M).

Mr. DeSocio noted stakeholder feedback throughout the meeting. The NYISO will continue to work with stakeholders, as well as reaching out to potential Developers, to develop a 2022 proposal for the project prioritization process. To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/20584059/Internal%20Controllable%20Lines%20Learning%20Session.pdf/7adeaab0-3997-50b7-d464-f4bafb020ec4>

## **FERC Filings**

### **April 7, 2021**

NYISO response to a deficiency letter to provide additional information regarding its proposal to prescribe a process to implement and/or adjust the procurement of supplemental reserves

### **April 9, 2021**

NYISO filing, on behalf of Transmission Owners, of proposed tariff revisions to revise the funding methodology for certain transmission system upgrades

### **April 9, 2021**

NYISO filing, on behalf of LS Power Grid New York Corporation I and the settling parties, of errata to an Offer of Settlement filed April 1

### **April 8, 2021**

NYISO filing, on behalf of NY Transco, of an Engineering, Procurement & Construction Agreement Among NY Transco, Castleton Power, and NYISO (SA No. 2615)

## **FERC Orders**

### **April 9, 2021**

FERC order accepted, in part, subject to condition re: NYISO tariff revisions of NYISO Demand Curve Reset 2021-2025 Capacity Year. ER21-502-001

### **April 9, 2021**

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FERC order accepted revisions to enhance the Economic Planning Process component of its Comprehensive System Planning Process, effective April 11, 2021 as requested. ER21-1074-000

**April 8, 2021**

FERC letter order accepted Large Generator Interconnection Agreement among the NYISO, Con Edison, and NRG Berrians East, SA No. 2535, effected 1/28/21 as requested ER21-1101-000

**April 7, 2021**

FERC letter order accepted the Small Generator Interconnection Agreement among NYISO, National Grid, and SunEast Watkins Road Solar LLC, effective 1/27/21. ER21-1088-000

**April 5, 2021**

Letter order accepting LGIA among the NYISO, National Grid, and PPM Roaring SA 2593 ER21-1061-000

**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)