

NYISO Consumer Interest Liaison Weekly Summary

November 30 – December 4, 2020

Notices:

- The final version of the **Transmission Expansion & Interconnection Manual (M-23)** has been posted to the [Manuals, Technical Bulletins & Guides webpage](#) under Manuals>Planning. All proposed changes were approved at the 11/11/2020 BIC and 11/12/2020 OC meetings. The revisions include updates to reflect revisions made as a part of the Class Year Redesign reforms, as a part of Order No. 845 and Order No. 845-A compliance filings, and as a part of DER and ESR reforms.
- The final version of the **Transmission & Dispatch Operations Manual (M-12)** has been posted to the [Manuals, Technical Bulletins & Guides webpage](#) under Manuals>Operations. All proposed changes were approved at the 11/11/2020 BIC and 11/12/2020 OC meetings. The revisions reflect updates for Fast Start Resources.
- The final version of the **Ancillary Services Manual (M-02)** has been posted to the [Manuals, Technical Bulletins & Guides webpage](#) under Manuals>Operations. All proposed changes were approved at the 10/15/2020 OC and 11/11/2020 BIC meetings. The revisions include updating Section 3 of the Manual to include inverter-based resources in the NYISO Voltage Support Service (VSS) program. Section 3.6.4 was added for the test procedures for energy storage devices.

Meeting Summaries:

Tuesday, December 1, 2020

Joint Transmission Planning Advisory Subcommittee/ Electric System Planning Working Group

Study Scopes under Consideration for Recommendation for OC Approval

Queue #1004

Mifflin SRIS Scope

Pumped Hydro Storage Plant

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300 MW W/S
Sullivan County, NY
Recommended to the OC for approval

Queue #1045
NY Wind Holbrook 2 SRIS Scope
Offshore Wind Power Plant (addition)
200 MW W/S
Nassau County, NY
Recommended to the OC for approval

Queue #1046
Barrett Energy Storage Center SRIS Scope
Battery Energy Storage System
200 MW 4 hours W/S
Nassau County, NY
Recommended to the OC for approval

Queue #1049
Holbrook Energy Center SRIS Scope
Battery Energy Storage System
600 MW 4 hours W/S
Suffolk County, NY
Recommended to the OC for approval

Queue #1050
Holtsville Energy Center SRIS Scope
Battery Energy Storage System
600 MW 4 hours W/S
Suffolk County, NY
Recommended to the OC for approval

Queue #1078
Cayuga Solar SRIS Scope
Solar Power Generation
200 MW W/S
Tompkins County, NY
Recommended to the OC for approval

Queue #1079
Somerset Solar SRIS Scope
Solar Power Generation
200 MW W/S
Niagara County, NY
Recommended to the OC for approval

Queue #1096

Allegany 2 SRIS Scope
Solar Power Generation
100 MW W/S
Allegany County, NY
Recommended to the OC for approval

Study Reports under Consideration for Recommendation for OC Approval

Queue #709
Alder Creek SRIS Study Report
Solar Power Generation
165 MW W/S
Oneida County, NY
Recommended to the OC for approval

Queue #766
NY Wind Holbrook SRIS Study Report
Offshore Wind Power Plant
880 MW W/S
Nassau County, NY
Recommended to the OC for approval

Queue #825
Setauket Energy Storage SRIS Study Report
Energy Storage System
186.6 MW 10 hours W/S
Suffolk County, NY
Recommended to the OC for approval

Queue #887
CH Uprate SRIS Study Report
Uprate
250 MW (additional) W/S
Astoria, Queens, NY
Recommended to the OC for approval

Queue #907
Harlem River Yard SRIS Study Report
Energy Storage System
100 MW 4 hours W/S
Bronx, NY
Recommended to the OC for approval

Queue #925
Clermont 1 SRIS Study Report
Energy Storage System
100 MW 4 hours W/S
Nassau County, NY

Recommended to the OC for approval

Queue #929
Morris Ridge Battery Storage SRIS Study Report
Energy Storage System
100 MW 4 hours W/S
Suffolk County, NY

Recommended to the OC for approval

Queue #931
Astoria Energy Storage SRIS Study Report
Energy Storage System
100 MW 4 hours W/S
Queens County, NY

Recommended to the OC for approval

Queue #956
Holbrook Energy Storage SRIS Study Report
Energy Storage System
294.9 MW S/ 296.4 MW W 8 hours
Suffolk County, NY

Recommended to the OC for approval

Review of Material Modification Determinations and Modifications Requiring a New Interconnection Request/SIS Request

Queue #545A

- Empire State Line reconfigure the two double circuit entrances to the new Dysinger 345 kV substation to two single circuit entrance and one double circuit entrance.

Queue #740

- Oakdale Battery Storage Change inverters of the project from forty-eight (48) SMA 2750-EV-US inverters to forty-seven (47) SMA SC-3600 US-UP inverters with no change to the total MW charging or discharging of the project.

Wednesday, December 2, 2020

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

NYISO Pilot Program

Michael Ferrari of the NYISO provided an update on the Pilot Program. The Pilot Program began in 2017 as part of the Distributed Energy Resource (DER) Roadmap.

In 2018, the NYISO selected three proposals from a Final Review Process and included aggregations comprised of the following:

- *High-rise buildings capable of curtailing load*
- *In-front-of -the-meter battery energy storage facilities*
- *In-front-of -the-meter battery energy storage facilities co-located with solar*

The Pilot Program was administered through a test environment, not in the NYISO's production (*i.e.*, "live") market and operations systems and was concluded on October 31, 2020.

Mr. Ferrari reviewed each of the three pilot projects and led a discussion on the successes and challenges of each.

Overall, the Pilot Program informed the NYISO and built operational DER experience among the NYISO, utilities and pilot participants. The alternative solutions and enabling technologies that the NYISO has included for the DER Participation Model demonstrated that they help eliminate barriers to wholesale market participation for DER and are expected to be utilized by future in the DER Participation Model. Alternative telemetry solutions implemented at scale can facilitate the participation of aggregations of smaller (less than 100 kW) facilities. While not tested in the Pilot Program, future potential support for Distributed Network Protocol 3 (DNP3) as a protocol for telemetry was voiced as a welcome addition by participants, citing a lack of familiarity with Inter-Control Center Communications Protocol (ICCP) in the larger DER community that did lead to delays in setting up communications with the NYISO during Pilot testing. To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/17255913/NYISO%20Pilot%20Program%20Conclusion.pdf/3b4d9905-6406-207e-6d33-db3404c351ad>

Utilization of MSEs for Demand Side Resources – Control Center Requirements Manual Modifications

Michael Ferrari of the NYISO presented revisions to the Control Center Requirements Manual to incorporate the expanded eligibility to utilize a Meter Service Entity (MSE) in the Demand Side Ancillary Services Program (DSASP) and Day-Ahead Demand Response Program (DADRP) until those programs are eliminated in 2022. FERC accepted the Distributed Energy Resource (DER) Participation Model tariff changes on January 23, 2020.

Mr. Ferrari led a review of the changes to the Control Center Requirements Manual for discussion with stakeholders. Modifications to other manuals as a result of these tariff modifications will be discussed at an upcoming Billing and Credit Working Group meeting. To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/17255913/CCRM%20Modifications%20for%20Meter%20Service%20Entities-MIWG.pdf/22c08f05-0687-f2c6-ef98-5c1926dc5096>

Landfill Gas Resources for Tailored Availability Metric

Emily Conway of the NYISO addressed the status of landfill gas resources in reference to the Tailored Availability Metric (TAM). The stakeholder discussion for the TAM project presented analysis of the impact the TAM changes would have on wind and solar Resources when weighting the hourly production data within the respective 6 and 8-hour PLWs. The TAM rules were accepted by FERC on September 3, 2020 and will become effective March 1, 2021 for implementation beginning with the Day-Ahead Market run for the operating day May 1, 2021.

Although not directly discussed during the TAM presentations this spring, the tariff language that applies the peak load weighting factors accepted by FERC rules is applicable to all Intermittent Power Resources. Therefore, the NYISO will apply the TAM rules to landfill gas resources, as well as wind and solar Resources.

The NYISO intends to clarify in Market Services Tariff Section 5.12.14.3 that the NYISO will re-evaluate the hourly weighting factors percentages during the Peak Load Window for Intermittent Power Resources as the current language reflects this language for wind and solar resources only. Governance approval will be sought in December 2020 in order to submit the changes to FERC in January 2021. To see the complete presentation, please go to:

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Thursday, December 3, 2020

System Operations Advisory Subcommittee

NYISO Operations Report – November 2020

Peak Load

The peak load for the month was 20,4700 MW, which occurred on Monday, November 18, 2020, HB18. Reserve requirements were as follows:

Reserve	10 Sync	Non-Sync	30 Min
Requirement	655	1,310	1,965
For Hour	1,210	2,349	4,373
DSASP Cont.	54	0	54

Major Emergencies:

None

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

1 – System Frequency Low

1 – Exceeding Transient Stability Limit

2 – Emergency Transfer Declared

Alert state was declared 13 times during November of 2019

Thunder Storm Alerts

1 TSA was declared in November 2020 for a total of 3.0 hours

Reserve Activations – 6

There were 2 Reserve Activations during November of 2019

Emergency Actions

None

TLR3 Declared – 0 for a total of 0.0 hours

FERC Filings

November 30, 2020

NYISO 205 filing of the ICAP Demand Curves for the 2021/2022 Capability Year and the methodologies and inputs for use in conducting annual updates to determine the demand curves for the 2022/2023, 2023/2024, and 2024/2025 Capability Years

December 1, 2020

NYISO compliance filing establishing a December 15, 2020 effective date for the pricing of Fast-Start Resources

FERC Orders

December 4, 2020

Letter order accepted Engineering & Procurement Agreement (SA 2568) between Niagara Mohawk Power Corporation and LS Power Grid New York Corporation I effective September 21, 2020, as requested (ER21-151- 000)

Filings and Orders:

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

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