

NYISO Consumer Interest Liaison Weekly Summary

March 16 – March 20, 2020

Notices:

- *While much of the nation prepares to combat the spread of COVID-19 and we adjust our daily lives, the NYISO is working to maintain the reliability of the electric system under these extenuating circumstances. The health and safety of our employees is of paramount importance, and we continue to be actively engaged with federal, state, and local authorities to understand the latest guidance and monitor the spread of the virus.*

As you know, we have put in place a number of protective measures to maintain business continuity under our pandemic response plan. For example, most of our staff is working from home, and will continue to do so until further notice. Previously, we restricted visitor access at our facility and we are running all stakeholder meetings via teleconference. We are also monitoring employee health on a daily basis.

I want to personally thank those of you who have participated virtually in our stakeholder process and committee meetings over the past few days. These teleconference meetings have gone well, with robust discussion despite the changes, and we expect the stakeholder process will remain active as we move forward. As such, we invite any suggestions for improvement as we transition to these new processes.

I want to thank you for your support. We are all in this together, joined through our collective mission to serve New Yorkers' critical need for reliable electricity. Be safe and best wishes to you and your loved ones.

*Thank you,
Rich Dewey
President and CEO*

Meeting Summaries:

Monday, March 16, 2020

Joint Electrical System Planning Working Group/Transmission Planning Subcommittee
Local Transmission Plans

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.

Representatives from Consolidated Edison (CECONY) and New York Power Authority (NYPA) provided updates to their Local Transmission Plans (LTPs). LTPs were originally presented at the November 18, 2019 ESPWG meeting.

CECONY highlighted three new projects since the November 18, 2019 presentation:

- *Y2019: East 13th Street 345/138 kV Transformer Replacement*
- *Y2019: Gowanus 345/138 kV Transformer Replacement*
- *Y2024: Farragut 138 kV Breaker Replacement*

CECONY also noted that the 2019 LTP does not identify any transmission needs in CECONY's Transmission District under the assumptions established for this assessment and for over the next 10-years planning horizon (years 2019 through 2028).

NYPA highlighted updates from November 18, 2019. It was noted that the Moses-Adirondack Smart Path Reliability Project has been started. Other projects were provided with revised in-service dates. To see the complete presentations by CECONY and NYPA, please go to:

<https://www.nyiso.com/espwg>

Key Study Assumptions for the Deactivation of Cayuga 1 & 2

Keith Burrell of the NYISO presented the key assumptions for the Cayuga 1 and 2 deactivation studies.

Cayuga 1 is a Zone C nameplate 155.3 MW generator, currently in Mothball Outage State, seeking to retire. Cayuga 2 is a Zone C nameplate 167.2 MW generator, currently in an ICAP Ineligible Forced Outage, seeking to retire.

The NYISO will use the base case from the 2019-2028 Comprehensive Reliability Plan (CRP). A major assumptions matrix was provided with the meeting materials. Changes to this base case have been reviewed at prior Generator Deactivation Key Study Assumption presentations and were also included with the meeting materials.

The NYISO will perform the assessment of the BPTF (Bulk Power Transmission Facilities). The assessment of the non-BPTF will be performed by NYSEG/RG&E and National Grid.

The Generator Deactivation Assessment will be completed by May 31, 2020. To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11350020/03%202020GDA_Cayuga1&2_KeyAssumptions.pdf/f473e94c-3f00-9231-4c5f-6a64ae40d3e2

2019 CARIS 70x30 Scenario: Preliminary Constraint Modeling, Nuclear Sensitivity and Additional Results
Benjamin Cohen and Chen Yang of the NYISO updated the CARIS 70x30 scenarios. Following a review of the approach and assumptions used in the study, Mr. Cohen and Mr. Yang provided preliminary results for Scenario Load cases.

The 70x30 scenario is intended to identify opportunities for transmission investment to un-bottle renewable energy to enable the state's renewable energy production goals.

Mr. Cohen provided a table to reflect the assumptions for the 70x30 scenario load forecast compared to the base load forecast for Electric Vehicles, Space Heating Electrification, PV Solar and Energy Efficiency. Data was provided to show the renewable energy addition assumptions, including the total zonal capacity levels studied in 2030.

Preliminary case results were provided for:

- Scenario Load Relaxed
- Scenario Load Constrained
- Scenario Load Constrained Nuclear Retirement Sensitivity

Mr. Yang presented the preliminary results for the congestion summary in the constrained cases.

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.

Congested hours for constraints at the bulk level were provided for stakeholder discussion. Preliminary Constraint pockets were illustrated and constraints identified in each pocket were reviewed with stakeholders. In addition fossil fleet operations were characterized.

To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11350020/04%202019CARIS1_70x30Scenario.pdf/202a845b-6026-6f43-c1dc-55ba3a016d48

2020 RNA Base Case Preliminary MARS Topology Changes

Kenneth Layman of the NYISO presented the preliminary MARS topology changes for the 2020 Reliability Needs Assessment (RNA). The NYISO uses the GE MARS program for assessing the resource adequacy of the New York bulk power system. This presentation highlights the changes as compared to the topology used for the 2018 RNA.

Mr. Layman presented and discussed the following changes:

1. Marion-Farragut 345kV cables (B and C) assumed out of service
2. 71, 72, M51, M52 series reactors assumed by-passed after deactivation of Indian Point
3. Moses – St. Lawrence (L33P) tie line assumed out of service
4. Rainey – Corona transmission project in service impacting J to K limits
5. UPNY-SENY simplification 2021-2023 without addition of AC PPTPs
6. AC PPTPs Segment A and B Projects Added starting 2024
7. Cedars tie to Zone D model

To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11350020/06%202020RNA_MARS-BaseCasePrelimTopologyChanges.pdf/8674a5ac-6ee0-2d3a-3cfa-17dfbc5cb34

2020 RNA Base Case Preliminary MARS Topology: Simplified External Areas Model

Michael Welch of the NYISO presented the changes to the 2020 Reliability Needs Assessment external areas base case modeling. These changes are continuing changes begun in prior RNA base cases.

One proposed change includes consolidating 5 PJM areas into a single area and consolidating 8 ISO-NE areas into a single area in the base case. These actions are a continuation of changes made to the 2018 RNA base case. Mr. Welch explained that these changes will increase system performance by reducing overall complexity and simplify the application of the assumptions.

The NYISO is also going to perform a scenario with a further simplification of the external model. This scenario will evaluate the effect of:

- Removing all load and generation from external areas
- Removing interfaces between external areas
- Inserting (varying) fixed amounts of capacity in each external area

This change will further performance by reducing the overall complexity and reducing runtime. It also increases confidence by making the amount of available external control area assistance a known value. A diagram was provided to illustrate the modeling change.

There will be further discussion at a future ESPWG prior to implementation. To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11350020/07%202020RNA_MARS-ExternalAreasSimplification.pdf/172c8e72-2fef-9de6-25b5-02a5df2d7aec

2020 Long Term Forecast

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 NYSIO or the discussions that take place at the meetings.

Max Schuler of the NYISO presented the demand forecasting and analysis for the 2020 long term forecast. Mr. Schuler began with a review of the components used to develop the forecast. The forecast process begins with the use of the Statistically Adjusted End-Use (SAE) model. This model produces monthly energy and peak forecasts driven by historical load growth, economic variables, end-use or appliance saturations, efficiency improvement trends in appliances and building shells, and trended weather normals from the 2019 Climate Study. There are also exogenous load modifiers, including:

- Load Reducing:
 - *New energy efficiency gains*
 - *BTM solar impacts*
 - *BTM distributed generation*
 - *BTM storage peak reductions*
- Load Increasing:
 - *Electric vehicle impacts*
 - *Other electrification*
 - *Energy storage losses*

The key drivers for the long term forecast were explained by Mr. Schuler. There is policy driven energy efficiency impacts and BTM solar growth drive load declines over the early years. Electric vehicle adoption and other electrification generate significant load growth in the 2030s and 2040s. Winter peak impacts are significant due to increasing penetration of space heating electrification. The 2020 preliminary long term load forecast was provided. The forecast reflects a decline in load through 2027 and load increasing in the years following 2027. The changes in forecast as compared to the 2019 long term forecast were highlighted and discussed with stakeholders.

To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11350020/2020_Forecast.pdf/43cc371d-cf69-67c4-6aca-1b0f8c6821a6

Wednesday, March 18, 2020

Business Issues Committee

Motion #1:

Motion to approve the Minutes of the February 12, 2020 BIC meeting.

Motion passed unanimously with an abstention.

Motion #2:

The Business Issues Committee (“BIC”) hereby recommends that the Management Committee (“MC”) approve changes to Sections 4.4, 5.12, 23, and 25 of the NYISO’s Market Administration and Control Area Services Tariff as more fully described in the presentation “Tariff Modifications Required for the ESR Participation Model” made to the BIC on March 18, 2020.

Motion passed unanimously.

Motion #3:

The Business Issues Committee (BIC) hereby approves the revisions to the Load Forecasting Manual, as more fully described in the presentation entitled “2020 Update of Load Forecasting Manual” made to the BIC on March 18, 2020.

Motion passed unanimously with an abstention.

Wednesday, March 18, 2020

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 NYSIO or the discussions that take place at the meetings.

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

Ethan Avallone of the NYISO presented an overview of the process for the development of the 2020 Master Plan. The Master Plan provides a multi-year vision for future NYISO enhancements.

Mr. Avallone noted that for the 2020 Master Plan, the NYISO will avoid reiterating unnecessary project information that is already included within project candidate descriptions. Stakeholder feedback to help make the document more beneficial to market participants was strongly encouraged. The Master Plan process begins with feedback received at each of the sector meetings in March 2020. An initial draft will be produced in mid-April reflecting the NYISO's initial thoughts considering stakeholder feedback. An updated draft of the Master Plan will be produced near the end of May which draft will incorporate additional feedback and identify costs and benefits.

A stakeholder asked if the NYISO will meet with environmental advocates for their input into the process and the NYISO noted that the sector meetings do involve the environmental and public power sector for their feedback.

A near final draft of the Master Plan will be produced towards the end of August that will incorporate any changes as a result of the project prioritization and the budget process. A final Master Plan will be produced near the end of 2020. Any changes from the final approved budget will be included in the final version.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11387339/2020%20Master%20Plan%20Process%20Update%20FINAL.pdf/1aec0a66-79bf-939c-01ad-a70ff1bb0762>

BSM Renewable Exemption Cap Proposal

Shaun Johnson of the NYISO presented updates to the Buyer Side Mitigation (BSM) renewable exemption proposal for the March 23, 2020 compliance filing.

Some stakeholders suggested that the NYISO request an extension to the filing date in order to reach a more thorough proposal. The NYISO responded that depending on the consensus reached at today's meeting, the NYISO will consider the suggestion.

Mr. Johnson led a review of the terminology definitions for the proposal. The definition of Unforced Reliability Margin (URM) was discussed in depth as it is a newly created term and stakeholders had several questions about it. URM is defined as the UCAP equivalent of the ICAP requirement. Josh Boles of the NYISO was available to confirm the timing for the setting of the URM.

The NYISO's proposed RE Cap for each mitigated Locality will consider:

- *Load forecast changes (Based on existing BSM process)*
- *A subset of resource retirements from existing BSM exclusion rules*
- *Impacts of additional renewable resources on the URM*
- *A market pricing impact threshold (a MW threshold intended to represent a \$0.50/kW-month threshold to be consistent with Supply-Side Mitigation thresholds), to be recalculated each CY*

Mr. Johnson led a review of the proposal while highlighting updates from the previous presentation at the March 10, 2020 ICAP/MIWG. Additional information was provided for the banking provision. The NYISO anticipates the proposal to be effective for Class Year 2019 (CY19) but would not be applied to the upcoming Expedited Delivery Study (EDS).

For the EDS, the prior proposed construct no longer works under the modified cap proposal as the actual cap is a function of the units in the study itself (CY or EDS) and is not known ahead of time. NYISO proposes to post the calculation and assumptions as part of the Assumptions & References material posted for each BSM study.

Mr. Johnson introduced the newly derived term, Regulatory UCAP Retirements. Regulatory UCAP Retirements would include only those Incremental BSM Retirements that Retired, or are planning to

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.

permanently cease operation, in response to or to comply with new or amended environmental regulations or statutes, or other regulatory action. This includes, but is not limited to:

- *Emissions (NO_x, CO₂, etc.)*
- *Inability to successfully renew/modify necessary permit*
- *Availability of fuel, supply (pipeline construction)*
- *Property Tax Assessments*

Following extensive stakeholder discussion, the NYISO will provide additional considerations for the definition of regulatory actions for the Regulatory UCAP Requirements provision.

Examples of each step of the process and calculation were provided and discussed with stakeholders.

To see the complete presentation, please go to:

https://www.nyiso.com/documents/20142/11387339/20200318%20NYISO%20-%20BSM%20Renewable%20Exemption%20Cap%20Proposal_vFINAL.pdf/e678fa5d-dd93-3bb5-1dda-37bc235827c9

NOTE: On 3/19/20, in Docket No. AD20-11-000, FERC issued an order extending the deadline for entities to make non-statutory filings required by the Commission, such as compliance filings, to 5/1/20. The Extension Notice granted NYISO an extension of time until 5/1/20 to submit its compliance filing.

Comprehensive Mitigation Review: Revisions to Part A Exemption Test

Christina Duong of the NYISO presented the revisions to the Part A exemption test. Ms. Duong led a review of the proposal and highlighted changes made since the prior presentation.

The first change of note is to the Interaction with Renewable Exemptions. Ms. Duong clarified the updates to the ordering of resources in the Part A process:

- *Resources that qualify for a Renewable Exemption will be tested for a Renewable Exemption first prior to Part A*
- *Any remaining UCAP MW of Exempt Renewable Technology that will not receive a Renewable Exemption will be evaluated as a PPR – under the proposed Part A rules*

Ms. Duong led a review of proposed tariff language for stakeholder discussion. To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11387339/Revisions%20to%20Part%20A%20Exemption%20Test.pdf/ecc014ae-96ed-8150-7cfb-d0f183aceeda>

NYCA Peak Load Forecast and Minimum Unforced Capacity Requirements for LSEs

Guo Ying of the NYISO presented the peak load forecast and the Minimum Unforced Capacity Requirements for LSEs.

Ms. Ying noted that since the summer peak for 2019 occurred on a Saturday, a tariff revision would be required for the 2020 summer peak calculation. The proposed tariff revision would require the use of the highest NYCA Load hour occurring on a non-holiday weekday during July and August when calculating the NYCA Peak Load Forecast pursuant to sections 5.10 and 5.11 of the MST. The change will ensure that each LSE's share of the minimum capacity requirement will be consistent with the "design conditions" used to calculate the minimum capacity requirement. The NYCA Peak Load Forecast will continue to be consistent with "design conditions".

The NYISO will return to a future ICAPWG meeting to review the proposed tariff revisions with stakeholders. Following a review of the Load Forecasting Manual, the NYISO will seek stakeholder approval in the May/June 2020 timeframe, followed by FERC submission. Tariff revisions need to be effective by December 2020 to allow this change to be implemented for the 2021-2022 Capability

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 NYSIO or the discussions that take place at the meetings.

Year. To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11387339/Load%20Forecast%20Update-approved.pdf/7872a11f-0fbd-aa36-6523-0bf1be985f76>

Thursday, March 19, 2020

Operating Committee

Motion #1:

The Operating Committee (OC) hereby approves the Q#700 Robinson Grid System Reliability Impact Study (SRIS) report as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2a:

The Operating Committee (OC) hereby approves the Q#751 Stony Brook Storage System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2b:

The Operating Committee (OC) hereby approves the Q#762 Riverhead energy Storage System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2c:

The Operating Committee (OC) hereby approves the Q#834 Parking Lot Energy Storage System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2d:

The Operating Committee (OC) hereby approves the Q#835 Dock Battery Energy Storage System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2e:

The Operating Committee (OC) hereby approves the Q#878 Pirates Island System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2f:

The Operating Committee (OC) hereby approves the Q#880 Brookside Solar System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2g:

The Operating Committee (OC) hereby approves the Q#907 Harlem River Yard System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2h:

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 NYSIO or the discussions that take place at the meetings.

The Operating Committee (OC) hereby approves the Q#925 Clermont 1 System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2i:

The Operating Committee (OC) hereby approves the Q#942 KCE NY 21 System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2j:

The Operating Committee (OC) hereby approves the Q#950 Orleans Solar System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2k:

The Operating Committee (OC) hereby approves the Q#954 Empire Solar System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2l:

The Operating Committee (OC) hereby approves the Q#958 Oceanside Energy System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Motion #2m:

The Operating Committee (OC) hereby approves the Q#959 Oceanside Energy II System Reliability Impact Study (SRIS) scope as presented and discussed at the March 19, 2020 OC meeting.

The motion passed unanimously by show of hands with an abstention.

Friday, March 20, 2020

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

Dual Participation – Manuals Updates

Harris Eisenhardt of the NYISO presented the proposed changes to the manuals to coordinate with the implementation of Dual Participation. The NYISO's market rules will allow resources that provide Wholesale Market services to also provide services to another entity (e.g., the utility or a host facility) beginning May 1, 2020.

Mr. Eisenhardt highlighted the changes to the following manuals:

- *Emergency Operations Manual*
- *Day Ahead Scheduling Manual*
- *Transmission & Dispatch Operations Manual*
- *Ancillary Services Manual*
- *ICAP Manual*

A schedule was provided informing stakeholders of further opportunities for discussion at the working group level and the dates the NYISO will seek committee approval for each manual. To see the complete presentation, please go to: <https://www.nyiso.com/icapwg?meetingDate=2020-03-20>

Manual Changes for MSE Application

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 NYSIO or the discussions that take place at the meetings.

Jeremiah Brockway of the NYISO presented the revisions to the manuals resulting from the Meter Service Entity (MSE) implementation. Mr. Brockway led a review of the newly implemented MSE construct that authorizes entities to provide meter services to NYISO's demand response programs. The manuals requiring updates include:

- Emergency Demand Response Program
- Day Ahead Demand Response Program
- Ancillary Services
- Installed Capacity

Mr. Brockway highlighted the revisions specific to each manual and responded to stakeholder requests for clarification. A timetable for further working group discussion and governance approval was provided for stakeholder reference.

To see the complete presentation, please go to: <https://www.nyiso.com/icapwg?meetingDate=2020-03-20>

Energy Storage Resources – ICAP Manual Changes

Sarah Carkner of the NYISO presented the revisions to manuals resulting from the Energy Storage Resource (ESR) participation model implementation. Ms. Carkner led a review of the incremental changes to the ICAP Manual required to coordinate with the ESR update. There was also a review of the revisions to Section 4.1 of the ICAP Manual that are necessary to administer the election process for Expanding Capacity Eligibility. Redline versions of the ICAP Manual were included with the meeting materials for stakeholder review.

To see the complete presentation, please go to: <https://www.nyiso.com/icapwg?meetingDate=2020-03-20>

BSM Examination of New SCRs

Christina Duong of the NYISO presented material to describe the Buyer Side Mitigation (BSM) process for SCRs. NYISO's buyer-side market power mitigation rules provide that certain new Installed Capacity (ICAP) Resources must enter NYISO's Mitigated Capacity Zones at a price at or above their applicable Offer Floor, unless exempt from mitigation. On February 20, 2020, FERC granted rehearing on the February 3, 2017 Order and found that all new SCRs should be subject to NYISO's buyer-side market power mitigation rules.

The NYISO will evaluate new SCRs in Mitigated Capacity Zones (J and G-J Localities) when they are first enrolled. Ms. Duong explained the steps required for the BSM evaluation and provided a flow diagram to illustrate the process. The data submission requirements were highlighted as

- *Description of programs that the SCR is eligible for and contract terms for each resource for evaluation (e.g., "minimum monthly payment")*
- *Description of the capital expenditures & assets*
- *Estimates of annualized and levelized costs of such capital expenditures*
- *Total amount of subsidy/rebate/incentive payments to be received*
- *Value of all other benefits or payments from a third-party for providing Installed Capacity*

The Offer Floor and ICAP price forecast are compared over a 12 month period, starting when the SCR reasonably anticipates to offer to supply UCAP. If, and only if, the projected ICAP price forecast is greater than a SCR's Offer Floor, then the resource is exempt and will not be subject to its Offer Floor. The Offer Floor calculation excludes payments or the value of other benefits provided under programs administered or approved by New York State or a government instrumentality of New York State.

Numerical examples of the calculation were provided and discussed with stakeholders.

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 NYSIO or the discussions that take place at the meetings.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11452204/5%20March%202020%202020%20BSM%20Examination%20of%20New%20SCRs.pdf/ef818dcc-b6bc-e8bf-5e9b-c9b9ee030a67>

Tailored Availability Metric

Emily Conway of the NYISO presented updates to the Tailored Availability Metric structure. Following a brief recap of the proposal, Ms. Conway addressed the additional analysis that was requested by stakeholders at a previous ICAPWG/MIWG meeting. Stakeholders had requested that the NYISO conduct additional analysis for availability-based resources that use the EFORD calculation. The analysis included a hypothetical Combined Cycle (CC) and Gas Turbine (GT) unit and shows the change in the AEFORD (Available Effective Forced Outage Rate under demand) with a full month outage in a peak month versus a full month outage in a non-peak month. Ms. Conway reviewed the results of the analysis with stakeholders.

At this time, the NYISO believes the proposal made to change the structure to the average of the previous 2-like Capability Period EFORDs is an incremental improvement to the EFORD calculation because it aligns seasonal payments with seasonal performance. Therefore, the NYISO proposes to move forward with the current proposal and bring the project to a BIC vote in April 2020. Ms. Conway presented the final proposal for stakeholder discussion and provided the tariff revisions required to complete the project.

In response to a stakeholder request to consider weighting certain months of the calculation, the NYISO responded that given the uncertainties that the New York grid faces with the potentially rapid changes to the resource mix, the NYISO is not confident that discounting current non-peak months will be representative of the resource availability needs in the future.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11452204/6%20Tailored%20Availability%20Metric.pdf/e3d25399-3f10-01de-cff7-94935c3f4426>

Enhancing Fuel and Energy Security Update

Note: The presentation on enhancements to the NYISO Fuel Monitoring process was postponed to a future ICAPWG/MIWG meeting.

2021-2025 ICAP Demand Curve Reset: Deliverability Analysis Results

Ryan Patterson of the NYISO presented the results of the Deliverability Analysis conducted for the 2021-2025 Demand Curve Reset (DCR) process.

Mr. Patterson led a review of the FERC requirement that a deliverability assessment be conducted to determine whether the peaking plant options being considered may require any SDUs to obtain Capacity Resource Interconnection Service (CRIS) under the level of excess conditions required for the DCR. Consistent with prior DCRs, candidate points of interconnection were identified for each location in order to assess deliverability of the peaking plant options under consideration.

The deliverability analysis indicated that all simple cycle gas turbine and battery energy storage peaking plant options under consideration were fully deliverable in all locations, except for the H-class frame unit on Long Island at the Ruland Road substation only. Since the H-class frame unit was fully deliverable at multiple locations on Long Island, the NYISO does not propose to include any SDU costs in the Gross CONE estimate for the H-class frame unit on Long Island.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11452204/8%20DCR%20Deliverability%2003202020%20ICAPWG.pdf/e80d6b4d-2286-393e-1a45-9c7848336120>

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.

2019 Wind and Solar Metrics

Cameron McPherson of the NYISO presented an overview of the performance of wind resources through 2019. The information is provided annually for stakeholder review. Mr. McPherson provided and discussed several aspects of wind performance including:

- *NYCA Wind Plants - Monthly Production*
- *NYCA Wind Generation – Monthly Capacity Factor*
- *Monthly Wind Production by Zone*
- *Monthly Wind Capacity Factors by Zone*
- *2019 Average Hourly Wind Capacity Factors by Zone*
- *2019 NY Wind Capacity Factor Distribution*
- *2019 Average Wind Capacity Factors over ICAP Months/Hours*
- *Wind Curtailments*

Mr. McPherson noted stakeholder feedback in regard to data presentation formatting for future presentations.

Mr. McPherson also supplied the equivalent data for Behind-the-Meter solar resources for New York State.

To see the complete presentation, please go to:

<https://www.nyiso.com/documents/20142/11452204/2019%20NYCA%20Renewables%20Presentatio n%20FINAL.pdf/051c94d2-026a-fbd6-b7ad-ee1a2dc8a3d7>

FERC Filings

March 19, 2020

NYISO request for a 14 day extension of time, i.e., until April 6, 2020, to submit compliance tariff revisions concerning the proposed Renewable Exemption under its buyer-side capacity market power mitigation rules

March 18, 2020

NYISO compliance submittal to establish an effective date for tariff revisions implementing entitlement rules for M2M coordination

March 20, 2020

NYISO filing on behalf of Central Hudson re: response to the 2/25/20 deficiency letter concerning the 12/31/19 filing of a proposed deliverability upgrade facilities charge

FERC Orders

March 17, 2020

FERC notice granting NYISO's request for an extension of the compliance filing deadline regarding the self-supply exemption from the buyer-side market power mitigation rules

Filings and Orders:

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