

Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 262
February 12, 2021
Conference Call

Members and Alternates in Attendance:

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| Mayer Sasson | Consolidated Edison Co. of NY, Inc. – EC Chair |
| Chris Wentlent | Municipal & Electric Cooperative Sector – Member – EC Vice Chair |
| Rich Bolbrock, P.E. | Unaffiliated Member |
| Roger Clayton, P.E. | Unaffiliated Member – EC Chair, RRS Chair, RCMS Chair |
| Bruce Ellsworth, P.E. | Unaffiliated Member |
| Steve Whitley | Unaffiliated Member |
| Frank Pace | Central Hudson Gas & Electric – Member |
| Mark Domino, P.E. | National Grid, USA – Member* |
| Bart Franey | National Grid, USA – Alternate Member* |
| Mohammed Hossain | NYPA – Alternate Member |
| Tim Lynch | NYSEG and RG&E – Member |
| Rick Brophy | NYSEG and RG&E – Alternate Member |
| Curt Dahl, P.E. | PSEGLI - Member |
| Mike Mager | Couch White-Large Customer Sector – Member |
| Matt Schwall | Independent Power Producers of NY (Wholesale Sellers Sector- Member) |
| Chris LaRoe | Brookfield Renewable Energy Group (Wholesale Sellers Sector-Alternate Member) |

Other Attendees:

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| Paul Gioia Esq. | Whiteman, Osterman & Hanna, LLP – NYSRC Counsel |
| Al Adamson | NYSRC Treasurer and Consultant |
| Brian Shanahan | National Grid, USA – ICS Chair |
| Greg Drake | NYRSC ICS Consultant |
| Phil Fedora | Northeast Power Coordinating Council, Inc. |
| Matt Koenig | Consolidated Edison |
| Diane Burman | NYS Department of Public Service |
| Josh Boles | New York Independent System Operator |
| Kevin DePugh | New York Independent System Operator |
| Rick Gonzales | New York Independent System Operator |
| Rana Mukerji | New York Independent System Operator* |
| Aashish Murti | New York Independent System Operator |
| Carl Patka | New York Independent System Operator |
| Robb Pike | New York Independent System Operator |
| Zach Smith | New York Independent System Operator |
| Wes Yeomans | New York Independent System Operator* |
| Erin Hogan | DOS – Utility Intervention Unit |
| Mariann Wilczek | PSEGLI |
| Scott Leuthauser | Hydro Quebec |
| Matt Cinadr | E Cubed, LLC* |
| Ed Schrom | Consultant |
| Andrea Calo | Customized Energy Solutions |
| Bill Lamanna | NERC |
| Ruben Brown | E Cubed, LLC* |

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| Bob Catell | Advanced Energy Research and Technology Center* |
| Pat Hogan | Utility Technology Solution* |
| Steve Zerkowitz | Utility Technology Solution* |
| Bernie Cowen | Utility Technology Solutions* |
| Cori Tackman | Power Advisors, LLC |
| Herb Schrayshuen | Power Advisors, LLC – EC Secretary |

“**” Denotes part-time participation in the meeting

1. **Introduction** – M. Sasson, EC Chair, called the NYSRC Executive Committee Meeting No. 262 to order at 9:30 a.m. on February 12, 2021. An initial quorum of 12 Members and Alternate Members of the NYSRC EC was established.
 11. **Identification of Visitors** – Visitors in attendance were identified via the participant list.
 12. **Requests for Additional Open Session Agenda Items** – No additional agenda items were requested.
 13. **Requests for Executive Session Agenda Items** – No Executive Session agenda items were requested.
 14. **Report on January 15, 2021 Executive Session** – M. Sasson stated that during the January 15, 2021 executive session the NYISO discussed the unusually high amount of Emergency Operating Procedure calls (EOPs) produced by the MARS model and included in the report. The NYISO stated the number was so high due to the change in handling of SCRs. The EC concluded that the explanation provided by the NYISO did not result in the need to change the IRM for the 2021-2021 Capability Year. C. Dahl thanked the NYISO team for the responsiveness in handling the questions that were raised after the December 2020 EC meeting.
 15. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts of interest.

2. **Meeting Minutes/Action Items List – H. Schrayshuen**
 21. **Approval of Minutes for Meeting #261 (January 2021) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the January 15, 2021 EC meeting, which included all comments received as of February 5, 2021. Changes to the minutes were made by M. Sasson, P. Gioia, and R. Gonzalez. R. Clayton made a motion to approve the minutes of Meeting #261 as modified during the discussion. The motion was seconded by B. Ellsworth and unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #261 posted on the NYSRC website.
 22. **Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen reviewed and updated the action item list with meeting attendees’ input. R. Pike reported on Action Item # 259-2 stating that at this time the NYISO does not believe a tariff change to advance the Energy Limited Resource (ELR) election date from August 1 to July 1 was necessary. An election date change to an earlier date would result in less accurate predictions, which could have a ripple effect in the management of the NYISO ELR market. The NYISO is confident that the process modifications it has taken to reduce the number of last-minute changes to the IRM Final Base Case will result in a smoother process this coming year. P. Gioia stated the following action items are complete: #261-3 Annual Delaware tax Payment, #261-4 Counsel’s Letter to Auditor, #261-5 Submit Comments in PSC IRM proceeding. P. Gioia also stated that for #261-6, Renew the D&O liability insurance policy, the application, and financial statements were submitted to the insurance provider.

3. Organizational Issues

31. Treasurer's Report - A. Adamson

3.1.1. Summary of Receipts & Disbursements - Cash Receipts and

Disbursements – A. Adamson - Attachment #3.1.1 – A. Adamson presented Attachment #3.1.1 – Statement of Cash Receipts and Disbursements for January 2021, noting the end of month balance of \$183,224.72. A. Adamson stated that the first quarter calls for funds were completed in January. M. Sasson asked A. Adamson to list any prepayments on the bottom of future financial reports.

3.1.2. 2020 Audit Status Report – A. Adamson stated the IRS 1099 and 1096 forms have been submitted as well as the 2020 990 form. A. Adamson also stated the audit is complete and thanked everyone for submitting the information requested by the auditors. The audit report concluded, “In our opinion the financial statements... present fairly, in all material respects, the statements of cash receipts and disbursements for the years ended December 31, 2020 and 2019 in accordance with the cash basis of accounting.”

32. 2021 Code of Conduct Review Process – H. Schrayshuen– H. Schrayshuen stated all Code of Conduct forms apart from three ICS members and one EC member have been completed. Once all the forms are submitted, H. Schrayshuen will produce a single report of the submittals to send to P. Gioia, M. Sasson, and C. Wentlent for review.

33. NYSRC Policy for Distribution of Market Sensitive Documents – M. Sasson Attachment #3.3 – M. Sasson reviewed the attachment outlining the new process. P. Gioia made some editorial changes. R. Bolbrock made a motion to approve the new process as amended. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance. (12 - 0)

34. Other Organizational Issues – None to report.

4. Installed Capacity Subcommittee (ICS) Status Report/Issues – B. Shanahan, ICS Chair

41. ICS Chair Report – B. Shanahan - Attachment #4.1 – B. Shanahan reviewed attachment #4.1 – Summary of ICS meeting #243 on February 3, 2021. He reported that the ICS has prioritized the 2021 White Papers, approved the 2022-2023 Milestone Schedule, and discussed the assumptions matrix. The following is a list of planned whitepapers in 2021:

4.1.1. Examination of Transmission Security Limits in the IRM Study - Attachment #4.1.1 – Attachment for informational purposes.

4.1.2. Modeling Energy Limited Resources – Attachment #4.1.2 - Attachment for informational purposes.

4.1.3. Evaluate Improvements to Modeling SCR Duration Limits – Attachment #4.1.3 - Attachment for informational purposes.

4.1.4. Load Forecast Uncertainty Modeling – Attachment #4.1.4 - Attachment for informational purposes.

4.1.5. Review and Approval of ICS 2022-2023 Milestone Schedule - Attachment #4.1.5 - B. Shanahan reviewed attachment #4.1.5. C. Wentlent made a motion to approve the ICS 2022-2023 Milestone Schedule. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance, (13 – 0)

42. Presentation by Robert Catell, Advanced Energy Research & Technology Center and Pat Hogan/B. Cowens of Trinity Cyber – Attachment #4.2

Visitors R. Catell, B. Cowens and P. Hogan presented attachment #4.2 which outlined the energy research activities of the Advanced Energy Research & Technology Center and the cyber security product offerings of Trinity Cyber.

5. Reliability Rules (RRS) Status Report/Issues –R. Clayton, RRS Chair

51. R. Clayton stated that the RRS did not meet in February 2021.

Other RRS Matters – Although the RRS did not meet, R. Clayton reported he received a letter from Consolidated Edison regarding exception #8 to the Reliability Rules associated with the retirement of Indian Point #3 Special Protection System. The letter confirmed that under the system conditions that exist today, removal of exception #8 will not result in a reliability criterion violation. The RRS will review the submitted letter and report back to EC.

R. Clayton reported that he attended the NERC 2021 Reliability Leadership Summit on January 26 and 27m 2021. R. Clayton stated that at the Summit Pat Hoffman (Principal Deputy Assistant Secretary of the US DOE) stated that utilizing energy storage as a reliability asset is a separate function than is typically envisioned in market design.

R. Clayton stated that he attended the NPCC DER Forum. He noted there was discussion of the implementation of IEEE 1547-2018 and the future IEEE P2800 testing standard.

R. Clayton noted that the initial report on the New York Power Grid Study was issued. by the DPS and NYSERDA and submitted to the PSC. R. Clayton will send a link to H. Schrayshuen to distribute the report. R. Clayton and M. Sasson will discuss NYSRC review of Appendix E “Zero Emissions Electric Grid in New York in 2040” with the aim of reaching out to PTI/NYSERDA with questions to further our understanding. It was noted that formal comments on the report are due on March 22, 2021.

The RRS 2020 Annual Report will be given at the March 2021 NYSRC EC Meeting.

6. Reliability Compliance Monitoring Subcommittee (RCMS) Status Report/Issues –R. Clayton, RCMS Chair

61. RCMS Status Report – Attachment #6.1 - R. Clayton reported on attachment #6.1, a summary of the RCMS Meeting #262 held on February 5, 2021. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS for the months of December 2020 and January 2021(C8:R1). RCMS also found the NYISO in full compliance for the 2020 NYCA Long-Term Resource Adequacy Assessment (A.3: R2).

62. 2020 Reliability Compliance Program Highlights Report – A. Adamson - Attachment #6.2 – A. Adamson reviewed attachment #6.2. A. Adamson stated that the RCMS found the NYISO to be in full compliance with all requirements reviewed in 2020.

63. 2021 Reliability Compliance Program – Attachment #6.3 – EC Approval Item – R. Clayton stated that the scorecard is up to date.

7. NYISO Status Reports/Issues

71. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 – Z. Smith reported the NYISO issued a solicitation for solutions in the short-term reliability process to address

the Q3 2020 reliability need identified in the NYISO's Short Term Assessment of Reliability Process (STAR). There has been discussion with Stakeholders and the NYISO is seeking comments on the next steps. The quarterly reliability studies are continuing with the 2020 Q4 STAR being issued in January 2021. There were no changes from the 2020 Q3 STAR. The 2021 Q1 STAR began January 15, 2021 and will be issued in April 2021.

The 2020 RNA did show long term reliability needs in the 2024–2030-time frame. The NYISO is in the process updating the base case and will give an update at the NYISO ESPWG meeting on February 23, 2021. The Phase 2 databases were approved. The NYISO submitted a filing to FERC regarding proposed changes in the Economic Planning Process. At recent PSC sessions the Western New York Project received regulatory approvals that permit the project to begin construction. Segment A of the AC transmission reinforcement has received all necessary state approvals and construction will begin in the Rotterdam area. Segment B has received an Article 7 siting certificate.

7.1.1. Presentation on EIPC Frequency Response Study – A. Murti – Attachment #7.1.1 A.

Murti presented the findings of the EIPC Frequency response study to the EC and addressed questions posed by the EC members in attendance.

7.1.2. Presentation on Reliability Needs Assessment – K. DePugh – Attachment #7.1.2 K.

DePugh presented the current state of the NYISO Reliability Needs Assessment to the EC and addressed questions posed by the EC members in attendance.

72. NYISO Markets Report – R. Mukerji – Attachment #7.2 - R. Mukerji

commented on the role of battery storage in the NYISO markets. He noted that DER activity and expanding capacity eligibility of DER assets increases the value of storage in the market. He reported that GE performed a study on effective load carrying capability on the reliability value of storage, and has established appropriate values for DER capacity. The Tailored Availability Metric also looks at the peak period window and places a value on those resources contributing to meeting LOLE requirements. The NYISO stated the whole capacity market is underpinned by how the resources are contributing to meeting LOLE requirements. The NYISO submitted their proposed market design for Hybrid Storage Resources to FERC and is working on expanding the concept of combining storage with intermittent resources.

73. NYISO Monthly Operations Report – W. Yeomans

7.3.1. NYISO Operations Report, January 2021 (short form) – Attachment #7.3.1 – Posted for informational purposes.

NYISO Operations Report, January 2021 (long form) – Attachment #7.3.2 -

W. Yeomans stated that the NYISO declared a Major Emergency on February 10, 2021. There was a bus fault at a 345kV substation as a result power flows exceeding 105% of the Central East Limit. Operators were able to reduce the power flow within 7-8 minutes. The NYISO will file the Major Emergency report with the RCMS for review. The January peak load of 22,500 MW occurred on 1/29/2021. There were 0 hours of thunderstorm alerts and 0 hours of NERC TLR level 3 curtailment. The NYISO is still actively keeping watch for potential impacts of the COVID-19 pandemic on its operations.

8. Decarbonization & DER – M. Koenig-

8.1. Decarbonization/DER Report – M. Koenig - Attachment #8.1 – M. Koenig reported on attachment #8.1 which includes links to the referenced documents. M. Koenig highlighted the NERC 2021 Reliability Leadership Summit, NERC Monthly Newsletter, IEEE Power and Energy Magazine article on Market

Designs. M. Koenig added a section to the report showing the New York Interconnection Queue for Energy Storage Projects. It was suggested that M. Koenig add solar and wind projects to his monthly report.

9. Environmental Status Report/Issues – C. Wentlent

9.1. Meeting Notes from the January 2014, 2021 NYSDEC/NYSRC Meeting –

Attachment #9.1 - C. Wentlent reported that the NYSRC/DEC met on January 14, 2021. The Climate Action Council (CAC) is continuing to work and the CAC Advisory Panels will submit their proposals to the CAC. The CAC has been tasked with developing a scope of activity necessary to achieve the Legislature’s policy mandate. After the discussion, the EC decided to form a working group to develop a plan to approach the CAC and to inform it regarding roles of the NYSRC in power system reliability matters. C. Wentlent will lead the working group. P. Gioia, M. Schwall, M. Mager, and R. Clayton volunteered to be on the working group. C. Wentlent will inform M. Sasson (who had left the meeting) regarding the discussion and next steps. C. Wentlent reported that a Utility Consultation Group formed to participate in the CAC proceedings. The group will review the working group recommendations and hopefully, provide comments to the Climate Action Council. C. Wentlent reported that New York state has created a new Office of Renewable Energy Siting (ORES) in the Department of State, and that regulations will be finalized in the March 2021 timeframe. Once opened all siting of renewable projects will go through that office and current Public Service Law Article 10 generation projects can transfer from the PSC to that process if the developer elects. The RGGI program will begin a formal program review in 2021. The next planned meeting with the NYS DEC is Thursday March 11, 2021.

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10. Resource Adequacy Working Group – C. Wentlent – C. Wentlent reported that the NYISO provided both Base Case metric results and the High Renewable Case Metric results. The working group had a phone call and the notes from the call will be summarized and presented to the EC at a future meeting with next step recommendations.

11. NERC/NPCC Standards Tracking – A. Adamson – Attachment#11.1

11.1. NERC Standard Tracking – A. Adamson – Attachment #11.1 – A. Adamson stated the NYSRC will be voting on CIP modifications in March.

12. State/NPCC/Federal Activities – M. Sasson/P. Fedora

12.1. NPCC Report – Attachment #12.1 - M. Sasson – M. Sasson stated that the NPCC Board of Directors met on January 27, 2021. At the meeting the NPCC Board of Directors approved the NPCC 2021 Strategic Reliability Focus Areas: Enhancing System Resilience and Assuring Energy Sufficiency, Reliably Integrating the Resources brought forward by Societal De-Carbonization Objectives (Variable Energy Resources (VER), Distributed Energy Resources (DER), and Addressing Cyber and Physical Security Threats. The NPCC Board of Directors are still in the process of selecting a new President and CEO. P. Fedora stated the NPCC 2021 Corporate Reliability Goals have been posted as well as the presentations from the recent NPCC DER forum.

12.2. NERC Report – P Fedora - P. Fedora reported that the NERC Board of Trustees February 4, 2021 meeting. There was discussion of future meeting structure after COVID-19 restrictions are lifted. NERC released a report regarding the Impacts of Battery Energy Storage Systems on the Bulk Power Systems, and the NERC 2020 Annual Report. H. Schrayshuen will distribute the

reports to the EC.

123. Implementation of the Presidential Order Securing the US Bulk Power Systems – NYISO & TO input – C. Patka stated that the current Presidential Administration has suspended the current order for 90 days to allow the incoming Secretary of Energy to review it. The NYISO does not expect a substantial impact on New York based on previous equipment delivery reviews.

13. NAESB Activities – B. Ellsworth – B. Ellsworth stated the NAESB annual meeting was held. Some topics NAESB is continuing to consider are cyber security and battery storage.

14. Adjournment of the EC Open Meeting

The open Executive Committee Meeting #262 was adjourned at 2:24p.m.

15. Future Meeting Schedule

| Meeting | Date | Location | Time |
|----------------|----------------|-----------------|-------------|
| #263 | March 12, 2021 | WebEx | 9:30 AM |