

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC)
Meeting No. 273
January 14, 2022
Conference Call

Members and Alternates in Attendance:

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 – RRS Chair, RCMS Chair
Bruce Ellsworth, P.E.	Unaffiliated Member
Steve Whitley	Unaffiliated Member
Mike Ridolfino	Central Hudson Gas & Electric – Member
Damian Interrante	Central Hudson Gas & Electric – Alternate Member
Mark Domino, P.E.	National Grid, USA – Member
Bruce Fardanesh	NYP&A – Member
Mohammed Hussain, P.E.	NYP&A – Alternate Member
Tim Lynch	NYSEG and RG&E – Member
Patti Caletka	NYSEG and RG&E – Alternate Member*
Curt Dahl P.E.	PSEGLI-Member
Mike Mager	Couch White-(Large Customer Sector) – Member
Leonard Ashley	Independent Power Producers of NY (Wholesale Sellers Sector) – Member
Mark Younger	Hudson Energy Economics (Wholesale Sellers Sector) - Alternate Member

Other Attendees:

Paul Gioia Esq.	Whitman, Osterman & Hanna, LLP – NYSRC Counsel
Al Adamson	NYSRC Treasurer and Consultant
Phil Fedora	Northeast Power Coordinating Council Inc.
Brian Shanahan	National Grid, USA – ICS Chair
Matt Koenig	Consolidated Edison*
Diane Burman	NYS Department of Public Service*
Vijay Puran	NYS Department of Public Service*
Josh Boles	New York Independent System Operator*
Rick Gonzales	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*
Herb Schrayshuen	Power Advisors, LLC – EC Secretary
Andrea Calo	Customized Energy Solutions
Erin Hogan	DOS-Utility Intervention Unit
Scott Leuthauser	Hydro Quebec
Ed Schrom	Consultant
Cori Tackman	Power Advisors, LLC

“*” Denotes part-time participation in the meeting

- 1. Introduction** – M. Sasson, EC Chair, called the NYSRC Executive Committee Meeting No. 273 to order at 9:30 a.m. on January 14, 2022. An initial quorum of 13 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** – None requested.
 - 13. Requests for Executive Session Agenda Items** – None requested.
 - 14. Report on Executive Session December 10, 2021** – The topics of discussion in the December 10, 2021, closed session were on technical support for ICS, the NYSRC Business Continuity Plan and potential conflicts of interest.
 - 15. Declarations of Potential “Conflicts of Interest”** – There were no on new potential conflicts of interest.
- 2. Meeting Minutes/Action Items List – H. Schrayshuen**
 - 21. Approval of Minutes for Meeting #272 (December 2021) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the December 10, 2022, meeting which included all comments received as of January 7, 2022. M. Sasson made one editorial change. S. Whitey made a motion to approve the minutes of Meeting #272 with the proposed change. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance (13 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #272 posted on the NYSRC website.
 - 22. Review of Outstanding Meeting Related Action Items List – Attachment #2.2** – H. Schrayshuen reviewed and updated the action item list with the meeting attendees’ input.
 - 23. Review of Standing NYSRC Action Items – Attachment #2.3 - H.** Schrayshuen presented attachment #2.3 providing a schedule of standing action items for 2022. One change was made to the delivery date for the independent audit of NYSRC’s 2021 financial results to March 2022.
- 3. Organizational Issues**
 - 3.1. 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 December 2021, noting the end of month balance of \$219,902.67 which includes \$100,000.00 of prepayments. A. Adamson stated the end of year expenses were \$53,500.00 below budget. A. Adamson stated that the 2021 Financial Audit should be completed by the March EC meeting. M. Sasson stated that the auditor’s annual information request letter will need to be sent electronically.
 - 3.2. Other Organizational Issues –**
 - 3.2.1. Report on NYSRC Goals Status – R. Clayton – Attachment #3.2.1** – R. Clayton reported on attachment #3.2.1. R. Clayton stated that Goal D needs to be assigned and suggested that P. Gioia take the lead. P. Gioia agreed to be the lead on Goal D and set a new goal date to March 2022. **(AI-273-1)** H. Schrayshuen and R. Clayton will revise the NYSRC 2022 Goals to ensure that the labeling is consistent throughout the document. **(AI-273-2)**
 - 3.2.2. 2022 Code of Conduct Review and disclosures – H. Schrayshuen – H.** Schrayshuen stated that the Code of Conduct and related disclosure documents have been sent out to the Executive Committee and Subcommittee members. H.

Schrayshuen thanked everyone who had sent their forms back and asked for the remaining forms to be returned before the February EC meeting.

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 #256 on January 5, 2022. B. Shanahan stated that the ICS did review the ICS Scope as required by the 2022 Goal Document, but it is not in the ICS package this month. A report on this topic will be given at the February EC meeting. B. Shanahan stated that ICS reviewed PRR 149 and one comment was sent to the RRS for review.

4.1.1. NYSRC ICS Query on 2021 Public Appeal Load Reduction – Attachment #4.1.1 – B. Shanahan stated that one TO reported that it implemented a public appeal for load reduction. PSEG-LI presented its analysis at the ICS meeting documenting that 74 MW of load reduction occurred because of the public appeal. ICS accepted the analysis and confirmed the 80MW used in the IRM calculation is consistent with that result. P. Gioia suggest that the ICS to consider asking the TOs whether the TOs have a procedure to use public appeals as a load reduction tool and if they do, whether they have a mechanism to measure the resulting load reduction. (AI-273-3)

4.1.2. High Renewable Phase 3 Draft Study Scope – Attachment #4.1.2 – B. Shanahan reviewed the draft study scope and asked the EC for its input on the scope. After discussion it was determined that NYISO would review the feasibility of an analysis that would add electricity storage to the study and remove the gas-fired peaking generation as projected in the NYISO forecast. J. Boles stated that the NYISO will report back to the ICS at the February meeting on this topic. M. Younger suggested considering the potential guidance and to keep the language in the report less technical.

R. Clayton stated that the Climate Action Council Action Draft Scoping Plan has several noteworthy results in the appendices implying a 2050 IRM of over 200%. This is discussed further under Agenda Item #5.5.

42. Other ICS Issues – None to report.

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

51. RRS Status Report – Attachment #5.1 - R. Clayton presented attachment #5.1 summarizing RRS meeting #263 held on January 6, 2022. R. Clayton stated that PRR 149 is being considered for further review. R. Clayton stated RRS reviewed the NYISO’s 2021-2030 CRP with respect to “Road to 2040” reliability challenges and the possible need for new reliability rules. The next RRS meeting is scheduled for February 3, 2022.

52. List of Potential Reliability Rule (“PRR”) Changes – Attachment #5.2 – R. Clayton reviewed the List of Potential Reliability Rule Changes.

53. New Glossary Definition – Emergency Transfer Limit – Attachment #5.3 – R. Clayton stated that currently there is no definition for Emergency Transfer Limit. R. Clayton stated that RRS is seeking EC approval of the definition proposed in attachment #5.3. After discussion, there was a clarification of the proposed language. R. Clayton made a motion to approve the Emergency Transfer Limit as modified. The motion was seconded by M. Domino and unanimously approved by the EC. (13-0). The definition will be added to the NYSRC Rules Glossary of

terms in the NYSRC Reliability Rules & Compliance Manual in the next revision.

- 54. 2022 NYSRC Goals & Actions, Goal B.1 – Actions to preserve NYCA reliability under extreme weather and extreme system conditions, Action 1A – Final Draft White Paper (for EC Discussion) – Attachment #5.4** - R. Clayton reviewed attachment #5.4. M. Sasson asked if there is consideration to increase the load forecast confidence level of 50/50. He noted that Consolidated Edison is required to plan for 67/33 confidence level. Z. Smith stated that currently the NYISO is only authorized to act in emergency situations based on of 50/50 projections of load and the NYISO is concerned that with the changing generation fleet ensuring Transmission Security the NYISO will require a more conservative approach. Z. Smith stated that while the NYISO does perform assessments regularly per the tariff it does not has the authority to proactively act in certain cases and plans to explore that issue more. E. Hogan suggestion that the NYISO evaluate if the potential extreme weather events discussed could be local or would need to be NYCA wide. Due to the size of the state weather can be very different between local areas. Z. Smith suggested creating a priority list to determine which issues need an urgent examination and which issues can be dealt with a little bit later. R. Clayton will take the comments back to RRS.
- 55. Other RRS Issues** – R. Clayton stated that the RRS is working on the assigned 2022 Goals. R. Clayton stated that RRS will have a white paper scope for new and modified reliability rules. R. Clayton also stated that RRS has reviewed the Resource Adequacy Working Groups draft “Resource Adequacy Metrics and their Applications.” RRS supports extending LOLE based reliability assessments to include the Loss of Load Hours (LOLH) and Expected Unserved Energy (EUE) metrics.

R. Clayton stated that NERC has a Standard Authorization Request (SAR) titled “Fuel Assurance with Energy Constrained Resources”. The NERC Board of Trustees (BoT) has requested Policy Input from NERC members on this SAR which includes solar, wind, and battery generation technologies. The BoT is asking for responses by January 26, 2022. P. Fedora stated the NPCC will be asking the NPCC Board of Directors to submit their comments also. There was some discussion on whether this SAR constitutes an overreach of NERC’s authority. It was decided that the NYSRC should draft a general response. R. Clayton will draft the response with M. Sasson, C. Wentlent, and P. Gioia to review. The draft Policy Input will be sent out to the EC members. **(AI-273-4)**

R. Clayton stated the Climate Action Council Action Plan scoping plan has several figures in Appendix G (Carbon Free Electric Supply) which are noteworthy. For example, Figure 32 shows NYCA Planning Reserve Margin in terms of Peak Load and Capacity which results in an apparent 2050 IRM of only 10.7%. It is unstated but it appears that the Figure 32 Capacity values are in terms of ELCC values. In fact, Figure 29 shows a much larger 2050 Installed Capacity which results in a 2050 IRM of 206%.

The CAC is accepting Comments Draft Scoping Plan. It was decided that P. Gioia, R. Clayton, and S. Whitley will develop draft comments on the CAC Draft Scoping Plan. The link to the Draft Scoping Plan will be distributed to the EC and the topic added to the next EC meeting agenda. **(AI-273-5)**

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

- 61. RCMS Status Report** – R. Clayton reported on attachment #6.1, a summary of the RCMS Meeting #261 held on January 6, 2022. He reported that the RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS for the months of November [C8:R1]. R. Clayton stated the NYSRC 2022 Compliance Program is pending NYISO review and will be presented to the EC for approval at the February EC meeting.
- 62. 2021 Reliability Compliance Program – Attachment #6.2** – Attached for informational purposes.
- 63. Other RCMS Issues** – None to report.

7. NYISO Status Reports/Issues

- 71. NYISO Comprehensive System Planning Process – Z. Smith** – Z. Smith stated that the NYISO posted the Short-Term Assessment of Reliability report (STAR) for the 4th quarter of 2021. There were no reliability needs identified but margins for maintaining reliability are becoming smaller. Z. Smith stated that the STAR has been expanded to add and update the “tipping point” analysis regarding reliability each quarter. This will help identify major drivers of the analysis. Z. Smith highlighted that this quarter’s STAR report identifies large new loads, particularly crypto currency mining facilities. Due to their speed of coming online, these large loads were not included in the 2021-2030 Comprehensive Reliability Plan. Z. Smith stated the most recent generation retirements were also not included in the Q4 2021 STAR report but will be included in the Q1 2022 STAR report. S. Leuthauser and S. Whitley complemented the NYISO’s STAR reliability assessment process.
- 72. NYISO Markets Report – R. Mukerji – Attachment #7.2** – R. Mukerji presented attachment #7.2 stating that the proposal for capacity accreditation and buyer side mitigation measures was approved by stakeholders in November 2021 and has been filed at FERC. The NYISO is waiting on FERC’s response. R. Mukerji stated that the NYISO completed its study on the feasibility of incorporating a dynamic reserve approach into its energy market software. The NYISO is also exploring an initiative in Constraint Specific Transmission Shortage Pricing. This initiative seeks to ensure that the cost of meeting transmission constraints is better reflected in the locational prices. The NYISO is also looking to improve Duct Firing Modeling for combined cycle fired generation with supplemental duct firing. R. Mukerji stated that currently there are no internal controllable lines (DC lines) in operation within the NYCA. The NYISO will be focusing on scheduling and pricing of internal controllable lines. There was discussion on the ability of the NYISO markets to financially encourage storage facilities. R. Mukerji indicated that storage pricing is nearing the point where it would be economically competitive. R. Mukerji noted that it may be time to consider black start from storage facilities. C. Wentlent asked whether future market design related to internal controllable lines would impact the ability to use the Gilboa storage facility the way it has been in the past.
- 73. NYISO Monthly Operations Report – W. Yeomans –**
 - 7.3.1. NYISO Operations Report, December 2021 (short form) – Attachment #7.3.1** - For information purpose only.
 - 7.3.2. NYISO Operations Report, December 2021 (long form) – Attachment #7.3.2** – W. Yeomans

presented the highlights page of attachment #7.3.2. W. Yeomans stated that the December peak load of 21,146 MW occurred on December 20, 2021. There were no hours of thunderstorm alerts and 42 hours of NERC TLR level 3 curtailments in December. W. Yeomans stated that NEETNY (NextEra) commissioned its New York Control Center to facilitate the operation of the company's Western Public Policy Project assets associated with the new Dysinger 345kV substation.

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 NERCs December Newsletter, a presentation by Electranix on Voltage-Var Control issues, the NPCC DER Guidance Document, EPRI Presentations at NYS DPS ITWG 12/15 Meeting, the NYISO Blog, and the NYISO Interconnection Queue: Storage / Solar / Wind / CLR (Co-located Storage Resources).

9. Environmental Status Report/Issues – C. Wentlent – C. Wentlent stated that on January 5, 2022, the Governor delivered her first State of the State address which outlined numerous green initiatives. For example, the initiative of procuring 2 GW of additional offshore wind resources with the goal to power 1/3 of New York City load with renewable wind, solar and hydro resources doubling energy storage to 6 GW by 2030 and developing green hydrogen resources. DPS and NYSERDA were tasked with developing a blueprint to assist in the redevelopment of New York City's most polluting fossil fuel-based generation facilities. Other highlights of the address discussed the electrification of homes and expanding electric car infrastructure.

C. Wentlent stated the NYSDEC has announced a policy change, DAR-21, which incorporates how the Climate Act (CLCPA) impacts the permitting approvals for both new and existing emitting facilities. Comments are due February 7, 2022. C. Wentlent stated that the need for comments from the NYSRC is still under discussion.

The NYS Senate Energy Committee is considering Bill 5939-A which proposes new obligations and will limit the ability to permit new fossil fueled facilities. C. Wentlent will distribute the bill for review.

The NYSDEC/NYSRC meeting was held on January 13, 2022. The minutes will be distributed.

10. Resource Adequacy Working Group – C. Wentlent – C. Wentlent stated he and A. Adamson have been working on the metrics report. The draft was submitted to the working group and will be sent to the NYISO for review.

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

11.1. NERC Standard Tracking – A. Adamson – Attachment #11.1 – A. Adamson reviewed attachment #11.1 stating that he will be sending out an email requesting input on project 2020-04: Modifications to CIP-012 (Draft 2) and Project 2020-05: Modifications to FAC-001-04 and FAC 002-4 (Draft1). Balloting ends for project 2020-04 on January 24, 2022, and on January 31, 2022, for project 2020-05.

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

12.1. NPCC Report – M. Sasson stated the NPCC Board of Directors met December 1, 2021, to address administrative items. The NPCC Board of Directors approved the leadership of the NPCC Committees. P. Fedora stated the NPCC Board of Directors will meet on February 2, 2022.

12.2. NPCC/NERC Report – P. Fedora - P. Fedora stated that a hearing is scheduled on January

19, 2022, on HR 6084 to discuss infrastructure security and the need to establish an Energy Products Reliability Organization (EPRO) that would parallel for the gas pipelines systems the reliability related authorities that NERC implements for the Electric System. FERC would oversee the EPRO.

12.2.1. NERC Energy Reliability Assessment Task Force (ERATF) – P. Fedora & W.

Yeomans – P. Fedora stated the ERATF scheduled their next meeting to be held on January 25, 2021, and will hold a webinar on the Energy Assessment SAR proposal on February 16, 2022.

123. Implementation of Presidential Order on Securing the US Bulk Power Systems –

NYISO & TO input – Administration/DOE 100-Day Plan – C. Patka said that there are no new developments to report.

124. Federal Legislation – H. Schrayshuen and R. Clayton – Attachment #12.4 – C. Patka stated that there has been no movement on physical and cyber security legislation.

13. NAESB Activities – B. Ellsworth – B. Ellsworth stated that NAESB has decided to move ahead and offer its assistance to FERC and NERC to help with the development of hydrogen and natural gas standards.

14. Visitor Comments – None were offered.

15. Adjournment of the EC Open Meeting

The open Executive Committee Meeting #273 was adjourned at 1:50p.m.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#274	February 11, 2022	WebEx	9:30 AM