

Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC)
Meeting No. 272
December 10, 2021
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
Deirdre Altobell	Consolidated Edison Co. of NY, Inc – Alternate Member*
Mark Domino, P.E.	National Grid, USA – Member
Bruce Fardanesh	NYPA – 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.	Whiteman, Osterman & Hanna, LLP – NYSRC Counsel
Al Adamson	NYSRC Treasurer and Consultant
John Adams	NYSRC ICS Consultant
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*
Nichole Bouchez	New York Independent System Operator*
Kevin DePugh	New York Independent System Operator*
Mike DeSocio	New York Independent System Operator*
Nate Gilbraith	New York Independent System Operator*
Rick Gonzales	New York Independent System Operator
Yvonne Huang	New York Independent System Operator
Aaron Markham	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
Alan Ackerman	Customized Energy Solutions
Rick Brophy	NYSEG and RG&E
Andrea Calo	Customized Energy Solutions

Joseph Coscia	Potomac Economics*
John Cordi	New York Power Authority*
James Kane	New York Power Authority*
Grant Flagler	Consolidated Edison Energy*
Keith Galarneau	Ravenswood Generating
Karl Hofer	Consolidated Edison Energy
Damian Interrante	Central Hudson Gas and Electric
Ed Schrom	Consultant
Julie Yedowitz	Couch white, LLP *
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. 272 to order at 9:30 a.m. on December 10, 2021. 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 November 10, 2021** – C. Wentlent thanked Doug Chapman of the NYISO for his thorough presentation on cyber security.
- 15. Declarations of Potential “Conflicts of Interest”** – S. Whitley discussed a project he was requested to participate in. It was determined the EC would discuss the project in its closed executive session. There were no other potential conflicts of interest.

2. Meeting Minutes/Action Items List – H. Schrayshuen

- 21. Approval of Minutes for Meeting #271 (November 2021) – Attachment #2.1**
– H. Schrayshuen introduced the revised draft minutes of the November 10, 2021, meeting which included all comments received as of December 3, 2021. No other changes were proposed. R. Clayton made a motion to approve the minutes of Meeting #271 as presented. 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 #271 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. H. Schrayshuen stated that reviewing annual standing action items will be a recurring agenda item.

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 November 2021, noting the end of month balance of \$188,520.34 which includes \$30,000.00 of prepayments. A. Adamson stated the end of year expenses are expected to be around \$27,000 below budget.
- 3.1.2. 2022 Cash Flow – Attachment #3.1.2 - A.** Adamson presented attachment #3.1.2

projecting the monthly cash flow for 2022.

3.1.3. 1st Quarter 2022 Call for Funds – Based on his projected 2022 cash flow, A. Adamson recommended an annual membership fee of \$5,000.00 per member plus \$25,000.00 from each TO for the first quarter call for funds for 2022. R. Clayton made a motion to approve the call for funds for the first quarter of 2022 as recommended. The motion was seconded by M. Domino and unanimously approved by the EC member in attendance. (13-0). M. Sasson stated that he would like to discuss the non-TO Members annual membership fee at a future closed executive session of the EC.

3.1.4. NYSRC Policy 3-10 – Attachment #3.1.4 – A. Adamson presented attachment #3.1.4 which recommends changes be made to New York Stated Reliability Council Policy No.3-9, Accounting Procedure. S. Whitley made a motion to approve the changes proposed in the policy. The motion was seconded by C. Wentlent and unanimously approved by the EC members in attendance. (13-0). A. Adamson will finalize and arrange for posting of the new NYSRC Policy No. 3-10.

32. Other Organizational Issues – None were reported.

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

4.1. ICS Chair Report – B. Shanahan - Attachment #4.1 – B. Shanahan reviewed attachment #4.1 – Summary of ICS meeting #254 & #255 on November 17, 2021, and December 3, 2021.

4.1.1. Review of the 2022-2023 IRM Technical Study Report Base Case – NYCA Installed Capacity Requirement – May 2022 to April 2023 – Attachment #4.1.1 - Parametric Results - Attachment #4.1.1 – EC Approval Item - B. Shanahan stated that after ICS meeting #253, the NYISO posted a notice of material changed to the IRM calculation stemming from new information regarding the return to service date for the failed equipment serving the Neptune Cable. C. Dahl stated that PSEG-LI was notified there was a supply chain issue with respect to acquiring the steel to build the new transformer. As of December 10, 2021, the steel has been acquired and is being shipped to the US for assembly. He also noted that PSEGLI has a second transformer on order from an independent supplier on track for June 2022 delivery. The delay pushed the return to service date out into August 2022. B. Shanahan stated that because of this return to service date change, the NYISO ran a special IRM study sensitivity with the assumption that the derated import limit for the Neptune cable would apply to the entire summer. The result of this sensitivity increased the base case IRM to 19.6%, a 0.5% increase. Due to this change the NYISO and ICS recommended that the NYSRC EC adopt this special sensitivity “Partial outage of Neptune UDR Tan 45” as the new Final Base Case for the 2022 IRM Study. M. Younger and C. Wentlent stated that they agree with the proposed change. R. Pike reaffirmed the NYISO stated they support the effort to adopt the Special Sensitivity as the new Final Base Case due to the substantial material change. M. Mager stated that he agrees with the proposed change and noted that it is a good example where the assumptions change procedure provides the opportunity to adjust the base case. C. Wentlent made a motion to set the special sensitivity “Partial outage of Neptune UDR Tan 45” as the new Final Base Case at 19.6%. The motion was seconded by S. Whitley and unanimously approved by EC members in attendance. (13-0).

4.1.2. Table 6-1 and 7-1 on of the revised IRM Technical Study Report and Appendices – Attachment #4.1.2 – John Adams – J. Adams reviewed

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attachment #4.1.2. R. Clayton asked about the derivation of the other metrics on table 7-1. J. Adams stated that the LOLH and EUE were determined by proportional change from the former base case. A. Adamson stated that the Australia's application of the EUE metric for its resource adequacy criterion is less stringent than resource adequacy criteria typically used in North America. R. Clayton stated that as more renewables are added to the system, the LOLH and EUE metrics will become more useful. C. Dahl asked if the original base case with the Neptune UDR in service can be added as an additional sensitivity. It was confirmed that sensitivity #9 would be added to show the previous final base case as a sensitivity case. A. Adamson stated that he still has concern with the number of voltage reduction calls for the base case in the report and asked for additional language to discuss how EOP modelling issues will be examined in 2022. M. Sasson made a motion to approve the new base case report with the 19.6% Final Base Case IRM, subject to the proposed IRM report changes and a review by the EC Chair, Vice Chair, ICS Chair, ICS Consultant, and NYISO Counsel. The motion was seconded by M. Domino and unanimously approved by EC members in attendance. (13-0)

4.1.3. Review of Remote Balloting Mechanism and Balloting for Approval of IRM

– **Attachment #4.1.3** - H. Schrayshuen and P. Gioia reviewed the virtual IRM voting procedure with the NYSRC EC members. M. Sasson took a voting member roll call. The Straw Poll vote resulted in only two possible IRM results. After four rounds of ballots produced 10 votes in favor of the 2022 IRM being set at 19.6%.

4.1.4. Approval of resolution for 2021-2022 IRM – Draft Resolution – Attachment #4.1.3

– H. Schrayshuen IRM Resolution, Attachment #4.1.3 NYSRC Exec. Comm. Meeting No.272 completed as shown below:

NOW THEREO BE IT RESOLVED, that in consideration of the factors described above, the NYSRC finds that an IRM requirement at 19.6%, which equates to an ICR of 1.196 times the forecasted NYCA 2022 peak load, will satisfy the criteria for resource adequacy set forth in the NYSRC's Reliability Rule A.1; and hereby sets the NYCA IRM requirement for the May 1, 2022, to April 30, 2023, Capability Year at 19.6%.

S. Whitley moved to approve the resolution. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance (13-0).

M. Sasson and the EC members thanked B. Shanahan, Greg Drake, John Adams, NYISO and all of ICS members for their efforts in preparing the 2022 IRM Study Report.

42 Other ICS Issues – B. Shanahan stated that ICS did receive responses on the public appeals survey and that all but one TO stated they did not issue a public appeal for load reduction in the summer of 2021. One TO stated they are analyzing the results of their public appeal.

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

5.1. RRS Status Report – Attachment #5.1 - R. Clayton presented attachment #5.1 summarizing RRS meeting #262 held on November 30, 2021. R. Clayton stated that there is a PRR under development, PRR 149 – “Clarification of LOLE Metric

and Application of Other Resource Adequacy Metrics.” The next RRS meeting is scheduled for January 6, 2022.

- 52. List of Potential Reliability Rule (“PRR”) Changes – Attachment #5.2 – R.** Clayton reviewed the List of Potential Reliability Rule Changes.
- 53. Draft of PRR #149 for discussion – Attachment #5.3 – R.** Clayton reviewed PRR #149. M. Sasson suggested to have ICS review the draft. It was suggested that the definition of LOLH and EUE be clarified in the proposed PRR.
- 54. Other RRS Issues – R.** Clayton thanked B. Shanahan for his role as RCMS Secretary and B. Gordon for his role as RRS Secretary. R. Clayton announced M. Paszek will take over as Secretary for RRS and D. Head will be Secretary for RCMS. R. Clayton stated EPRI is exploring resource adequacy methodology options to including resource adequacy analysis programs. R. Clayton stated that NERC has a working group reviewing additional criteria and metrics. R. Clayton stated that NPCC Reliability Coordinating Committee goals for 2022 utilize LOLH and EUE to assess Resource Adequacy impacts and to assess the reliability in advance of aggregated DER/ELR and other variable energy resources deployments. R. Bolbrock added that maybe the representative from the NYISO could inform the NYSRC (specifically the Resource Adequacy Working Group) regarding the NPCC Task Force on Coordination of Planning working group activity.

- 5.4.1. Draft of Extreme Weather Whitepaper Scope for discussion – Attachment #5.4.1 - R.** Clayton presented the draft whitepaper scope titled “Proposed NYSRC Reliability Rule; Extreme Weather Event and Other Extreme System Condition Requirements”. M. Sasson requested that the scope should include language referencing other organizations and their activity related to extreme weather event mitigation. R. Clayton asked for comments to be sent to him for January review.

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 #260 held on November 30, 2021. He reported that the RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS for the months of October [C8:R1]. RCMS also found the NYISO in full compliance for LSE ICAP Obligations [A.2:R.2], Annual Actual and Forecast Load Data [I.3: R2, R3], and MP Transmission Data Reporting [I.4:R3].
- 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 Operating Committee, NYISO Management Committee and the NYISO Board of Directors approved the 2021-2030 Comprehensive Reliability Plan (CRP). The CRP is posted on the NYISO website. Z. Smith also stated that Eastern Interconnection Planning Collaborative, EIPC, issued a white paper on the integration of renewable resources in the Eastern Interconnection. The EIPC released a State of the Grid report, which restates the EIPC’s purpose and future activities. Z. Smith stated that he has been elected as Chair of the EIPC. S. Whitely asked if the EIPC is focusing on how offshore wind would affect the

interconnection. Z. Smith stated that EIPC is looking at the renewable connections but not specifically focusing on Atlantic offshore wind. Z. Smith stated that at the next EIPC meeting DOE will be speaking on a study that they are spearheading with NREL on offshore wind. The NYISO is expecting that study will have synergy with current proposed NYISO studies. The NYISO is assisting in developing that study. EIPC will be following that study as well. C. Wentlent asked if the RTOs are looking at wind lulls in multiple areas. Z. Smith stated that the EIPC white paper does touch on the concern of multiple wind lulls. R. Clayton stated that he has been in contact with Z. Smith and his team to discuss potential reliability rules that may be needed as the generation fleet changes. M. Sasson and S. Whitley congratulated Z. Smith on becoming Chair of the EIPC. M. Sasson also stated that he is concerned about the many simultaneously moving parts as we move to a decarbonized grid. If the transition does not go right, then grid reliability could be compromised. Z. Smith stated that he agrees, and the Reliability Needs Assessment will start in April 2022 and will be carefully scrutinizing previous assumptions to help identify reliability needs.

72. NYISO Markets Report – R. Mukerji – Attachment #7.2 – N. Bouchez reported on behalf of R. Mukerji. N. Bouchez stated that the proposal for capacity accreditation and buyer side mitigation measures were approved by stakeholders in November 2021. The proposal will be filed at FERC mid-December. N. Bouchez stated that the NYISO completed its study on the feasibility of incorporating a dynamic reserve approach into its energy market software. The NYISO will present the findings and next steps at the of the study at the Installed Capacity Working Group/Marketing Issues Working Group (ICAP/MWIG) meetings in December. N. Bouchez stated that the NYISO responded to an additional FERC data request regarding its Order 2222 filing.

73. NYISO Monthly Operations Report – W. Yeomans –

7.3.1. NYISO Operations Report, October 2021 (short form) – Attachment #7.3.1 - For information purposes only.

7.3.2. NYISO Operations Report, October 2021 (long form) – Attachment #7.3.2 – W. Yeomans presented the highlights page of attachment #7.3.2. W. Yeomans stated that the November peak load of 20,690 MW occurred on November 30, 2021. There were 3.35 hours of thunderstorm alerts and 0 hours of NERC TLR level 3 curtailment in November.

7.3.3. NYISO Winter Assessment Presentation – Attachment #7.3.3 – W. Yeomans reviewed attachment #7.3.3 outlining the NYISO’s expectations for the coming winter and noting the addition of a 1 in 99 chance load analysis to supplement the presentation and address operational planning for extreme weather.

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 Final Report on the February 2021 Cold Weather Outages, NERC Winter Reliability Assessment, National Offshore Wind Research & Development Consortium, NYISO Announcements, and the NYISO Interconnection Queue: Storage / Solar / Wind / CSRs (Co-located Storage). S. Whitley stated that he believes there is a need to obtain more thorough ideas on the storage components being proposed.

9. Environmental Status Report/Issues – C. Wentlent

9.1. NYSDEC-NYSRC November 18, 2021, Meeting Notes – Attachment #9.1 – C. Wentlent reviewed attachment #9.1. the Climate Action Council will meet December 20, 2021, to review

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and approve the scoping plan. The plan will be posted for public comment and there will be six public hearings in 2022. C. Wentlent stated that the NYSRC needs to look at the scoping plan to see what impact the NYSRC presentation earlier in the year had in its development and determine if the NYSRC needs to file comments. C. Wentlent stated that Virginia is reevaluating their participation in the RGGI program, and that Connecticut and Massachusetts are pausing their participation in the Transportation and Climate Initiative (TCI) program to consider other options. C. Wentlent stated the NYSDEC has posted Proposed Policy DAR-21: “The Climate Leadership and Community Protection Act and Air Permit Applications”, C. Wentlent suggested that he, M. Sasson and P Gioia have a meeting to review the proposed policy and determine if any comments are needed. Written comments are due February 7, 2022. (AI-272-1) The next meeting NYSDEC/NYSRC meeting is January 13, 2022.

10. Resource Adequacy Working Group – C. Wentlent – C. Wentlent stated he and A. Adamson have been working on the final report. The draft was submitted to the working group with a goal of providing a draft to the EC in January.

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 there is one standard posted for ballot, CIP-012.

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

12.1. NPCC Report – M. Sasson stated the NPCC Board of Directors met on December 1, 2021. The NPCC Board of Directors approved the Strategic Plan and reviewed 2021 Corporate Goals.

12.2. NPCC/NERC Report – P. Fedora - No report.

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

Yeomans – W. Yeomans stated that based on the survey results the ERATF will make a recommendation to the NERC Reliability Security Technical Committee in December 2021.

12.3. Implementation of Presidential Order on Securing the US Bulk Power Systems – NYISO & TO input – Administration/DOE 100-Day Plan – No report.

12.4. Federal Legislation – H. Schrayshuen and R. Clayton – Attachment #12.4 – C. Patka stated the House passed the National Defense Authorization bill which has several cyber security provisions. C. Patka stated the Transmission Security Pipeline Security initiative is being reviewed by the TSA, and that the Dept. of Commerce is exploring supply chain security requirements. H. Schrayshuen stated there is a proposed House Bill #6084, Energy Products Reliability Organization, focus on oil and gas pipelines. H. Schrayshuen to send out the copy of the proposed bill.

13. NAESB Activities – B. Ellsworth – B. Ellsworth stated that NAESB has been approached about further development of hydrogen standards and federal natural gas standards. The NAESB quarterly bulletin has been published.

14. Visitor Comments – None were offered.

15. Adjournment of the EC Open Meeting

The open Executive Committee Meeting #272 was adjourned at 3:14p.m.

16. Future Meeting Schedule

Meeting	Date	Location	Time
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#273	January 14, 2022	WebEx	9:30 AM
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