

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC)
Meeting No. 284
December 9, 2022
Wolferts Roost Country Club/Webex

Members and Alternates in Attendance:

Chris Wentlent	Municipal & Electric Cooperative Sector – Member - Chair
Mark Domino, P.E.	National Grid, USA – Member – EC Vice Chair
Richard 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
Damien Interrante	Central Hudson Gas & Electric – Alternate Member - Webex
Mayer Sasson	Consolidated Edison Co. of NY, Inc - Member
Deirdre Altobell	Consolidated Edison Co. of NY, Inc – Alternate Member
Bruce Fardanesh	NYP&A – Member
Tim Lynch	NYSEG and RG&E – Member
Curt Dahl	PSE&G – Member
Mike Mager	Couch White - (Large Customer Sector) – Member
Richard Bratton	Independent Power Producers of NY (Wholesale Sellers Sector) – Member- Webx
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 - Webex
Phil Fedora	Northeast Power Coordinating Council Inc.
Andrey Oks	Northeast Power Coordinating Council Inc.
Gary Jordan	ICS Consultant
John Adams	ICS Consultant - Webex
Matt Koenig	Consolidated Edison – Webex*
Diane Burman	NYS Public Service Commission*
Vijay Puran	NYS Department of Public Service - Webex
Josh Boles	New York Independent System Operator
Yvonne Huang	New York Independent System Operator
Rick Gonzales	New York Independent System Operator
Aaron Markham	New York Independent System Operator - Webex
Rana Mukerji	New York Independent System Operator
Robb Pike	New York Independent System Operator
Chris Sharp	New York Independent System Operator
Andrea Calo	Customized Energy Solutions – Webex
Grant Flagler	Consolidated Edison – Webex
Keith Galarneau	Ravenswood Generating
Howard Kosel	Consolidated Edison - Webex
Erin Hogan	DOS-Utility Intervention Unit
Scott Leuthauser	Hydro Quebec – Webex

Tim Lundin LS Power - Webex
Ed Schrom Consultant - Webex
Herb Schrayshuen Power Advisors, LLC – EC Secretary
Cori Tackman Power Advisors, LLC
“*” Denotes part-time participation in the meeting

1. Introduction – C. Wentlent, EC Chair, called the NYSRC Executive Committee Meeting No. 284 to order at 9:30 a.m. on December 9, 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 were requested.
- 13. Requests for Additional Closed Session Agenda Items** – None were requested.
- 14. Declarations of Potential “Conflicts of Interest”** – There were no new declared conflicts of interest.

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

- 21. Approval of Minutes for Meeting #283 (November 10, 2022) – Attachment #2.1** – H. Schrayshuen noted and presented a few editorial changes to the minutes of Meeting #283 received after the issuance of the draft minutes. He asked for additional comments to the presented minutes. No additional modifications were requested. R. Clayton made a motion to approve the minutes of Meeting #283 as presented. The motion was seconded by B. Ellsworth and unanimously approved by the EC members in attendance (13 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #283 posted on the NYSRC website.
- 22. Approval of Minutes for EC Meeting #283A (November 18, 2022) – Attachment #2.2** – H. Schrayshuen asked for additional comments to the presented minutes. No additional modifications were requested. M. Domino made a motion to approve the minutes of Meeting #283A as presented. The motion was seconded by R. Bolbrock and unanimously approved by the EC members in attendance (13 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #283A posted on the NYSRC website.
- 23. Composite Open Action Items Report - Attachment #2.2** – H. Schrayshuen reviewed and updated the action item list with the meeting attendees’ input. P. Gioia requested a format change which would make the list of action items completed available for review.

3. Organizational Issues

3.1. Treasurer’s Report - A. Adamson

- 3.1.1. Summary of Receipts & Disbursements - Cash Receipts and Disbursements – Attachment #3.1.1** – A. Adamson presented attachment #3.1.1 - Statement of Cash Receipts and Disbursements for November 2023, noting the end-of-month cash balance is \$188,864.05 which includes \$25,000.00 of pre-payments. A. Adamson also stated that the fourth quarter call for funds is completed. A. Adamson projected that the NYSRC will be \$14,000.00 above budget mainly due to the IBR project.
- 3.1.2. 2023 Cash Flow – Attachment #3.1.2** – A. Adamson presented attachment #3.1.2 projecting the monthly cash flow for 2023 stating the expected costs for the IBR consultant that were expected to be billed in 2022, will actually be billed in 2023.
- 3.1.3. First Quarter 2023 Call for Funds – Attachment #3.1.2** – Based on the projected 2023 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 2023. R. Clayton made a motion to approve the call for funds for the first quarter of 2023 as recommended. The motion was seconded by M. Mager and unanimously approved by the EC members in attendance. (13-0).

32. 2023 Conflict of Interest Disclosures – H. Schrayshuen – H. Schrayshuen reminded the EC that Conflict of Interest Disclosures and the NYSRC Code of Conduct will be distributed for members to review and complete. There was discussion regarding whether all of the members of the IBR Working Group and the Extreme Weather Working Group would be required to complete Conflict of Interest Disclosures. P. Gioia will discuss the topic with the working group Chairs. The Chairs of the committees will develop member/contributor rosters to facilitate the process. (AI-284-1)

33. Other Organizational Issues – None to report.

4. Installed Capacity Subcommittee (ICS) Status Report/Issues – G. Jordan, ICS Consultant

41. ICS Chair Report – B. Shanahan - Attachment #4.1 – B. Shanahan reviewed attachment #4.1 – Summary of ICS meeting number 271 held on December 1, 2022.

4.1.1. Draft Policy #5-16 – Attachment #4.1.1 – B. Shanahan reviewed attachment #4.1.1. M. Sasson stated that the past practice has been that if the NYSRC EC cannot attain 9 votes for an IRM approval, the previous year's IRM ~~from the prior year~~ will automatically be the IRM for the next year language is missing. After discussion it was resolved that if the NYSRC EC cannot reach the necessary votes needed for an approve IRM, 9, after a minimum of 5 rounds of voting, an EC member can make a motion to adopt the previous year's IRM. M. Mager made a motion to approve policy 5-16 with the modified voting procedure ~~language--language~~. The motion to approve Policy 5-16 as amended was seconded by M. Domino and unanimously approved by the EC members in attendance (13 - 0).

4.1.2. Final Base Case (FBC) Parametric Results

- **4.1.2.1 – Table 6-1 and Table 7-1 for the Final Base Case (FBC)** – G. Jordan reviewed attachment #4.1.2.1, with the modeling input correction that was previously disclosed. Table 6 shows the changes to the proposed 2023 FBC IRM in comparison to the previous year's IRM FBC and the current year IRM FBC. G. Jordan also reviewed Table 7-1 2023 FBC IRM Sensitivity Case Results. The M. Mager made motion to approve the Final Base Case of 19.9, as presented. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance. (13-0)
- **4.1.2.2 – IRM 2023-2024 Final Base Case Tan45** – G. Jordan reviewed attachment #4.1.2.2, which includes the IRM 2023-2024 Final Base Case Tan45 curves and the EOP detail in the format previously requested by the EC.
- **4.1.2.3 – 2023-2024 IRM Final Base Case Tan45 Points** – G. Jordan reviewed attachment #4.1.2.3 which included the 2023-2024 IRM FBC Tan45 point detail.

4.1.3. 2023 IRM Draft Study Report – Attachment - Attachment #4.1.3 – C.

Wentlent stated that the EC would review the 2023 IRM Draft Study Report and ICS Draft Study Report and Appendices separately and will vote on them for

approval together. B. Shanahan presented attachment #4.1.3. P. Gioia stated that he has editorial edits and would forward them to G. Jordan.

4.1.4. ICS Draft Study Appendices – Attachment #4.1.4 – J. Adams presented attachment #4.1.4. P. Gioia stated that he will send editorial changes over to J. Adams. R. Bolbrock made a motion to approve the 2023 IRM Draft Study Report and Appendices subject to NYSRC Counsel review. The motion was seconded by S. Whitely and unanimously approved by the EC members in attendance. (13-0)

4.1.5. Report on Public Appeals for Load Reduction Action Items – B. Shanahan stated that the NY Transmission Owners/Operators were surveyed and reported no Public Appeals for Load Reduction in 2022.

42. Review of Policy 5 Balloting Mechanism and Balloting for Approval of IRM- Attachment #4.2 – P. Gioia reviewed the IRM voting procedure with the NYSRC EC members. The Straw Poll vote resulted in only two possible IRM results. In the first round of voting, the EC approved the 2023 IRM to be set at 20.0%.

43. Approval of Resolution for 2022-2023 IRM – Attachment #4.3 - H. Schrayshuen IRM Resolution, Attachment #4.3 NYSRC Exec. Comm. Meeting No.284 was 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 20.0%, which equates to an ICR of 1.20 times the forecasted NYCA 2023 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, 2023, to April 30, 2024, Capability Year at 20.0%.

M. Domino moved to approve the resolution. The motion was seconded by B. Fardanesh and unanimously approved by the EC members in attendance (13-0). C. Wentlent stated that an announcement will be posted on the website. The NYSRC EC thanked the ICS, NYISO, and NYSRC Consultants for their efforts on the IRM Study.

44. 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 #273 held on November 30, 2022. R. Clayton stated that the next RRS meeting will be held on January 5, 2022.

52. Potential Reliability Rule (PRR) Changes

5.2.1. PRR List – Attachment #5.2.1

53. NERC/NPCC Standards Tracking – A. Adamson

5.3.1. NERC Standard Tracking Report – Attachment #5.3.1 – A.

Adamson presented attachment #5.3.1.

54. Other RRS Issues – R. Clayton stated that the Inverter Based Resource Working Group (IBR) has been meeting bi-weekly. At the last RRS meeting GE gave a joint presentation with the NYISO titled NYISO IBR Roadmap project. There was EC discussion and agreement that the NYSRC should comment on the FERC IBR and Transmission NOPRs.(AI-284-2). C. Dahl stated that the Extreme Weather Working Group will have their initial kickoff meeting on December 15, 2022. R. Clayton gave some highlights the NERC Odessa 2 report. H. Schrayshuen will distribute the report. (AI-284-3). R. Clayton stated that there is a FERC Technical Workshop on DER Modeling being held on December 14, 2022. R. Clayton also stated that NPCC Regional Coordinating Committee did endorse the NPCC draft Roadmap proposing revisions to

NPCC Directory #1. P. Fedora added that the NPCC Regional Standards Committee endorsed the NPCC Roadmap. M. Sasson stated that this document is ~~scheduled~~ for discussion at the NPCC Board of Directors meeting.

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 #270 held on November 30, 2022. R. Clayton reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS for October 2022 [C8:R1], LSE ICAP Obligations [A.2:R2], Annual Actual & Forecast Load Data [I.3:R2], MP Transmission Data Reporting [I.4:R.3].

62. 2022 Reliability Compliance Program Report – Attachment #6.2

63. Other RCMS Issues – A. Adamson stated that the draft 2023 has been distributed to the NYISO for comment.

7. NYISO Status Reports/Issues

71. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 – Report for information only.

72. NYISO Markets Report – R. Mukerji – Attachment #7.2 – R. Mukerji presented attachment #7.2 highlighting the Capacity Aggregation Market and Dynamic Resources. The NYISO is also exploring internal controllable line design. P. Gioia commented that it might be in the interest of the PSC and NYISO to apply the public policy process for the development of dispatchable emission free energy. R. Mukerji stated that the NYISO has discussed this topic with NYSERDA. S. Whitley asked if the capacity market should look at dispatchable emissions free resources. B. Fardanesh stated that NYPA has done a pilot program to use blended hydrogen in the test generating unit up to 40%, a report saying that using hydrogen in that manner is the least economical ~~was published~~. (AI-284-3)

73. NYISO Monthly Operations Report – A. Markham –

7.3.1. NYISO Operations Report, November 2022 (short form) – Attachment #7.3.1 – Report included for information only.

7.3.2. NYISO Operations Report, November 2022 (long form) – Attachment #7.3.2 – A. Markham presented attachment #7.3.2. A. Markham stated that the peak load was 20,385 MW which occurred on November 21, 2022. There were 0 hours of thunderstorm alert and 0 hours of NERC TLR level 3 curtailments in November.

7.3.3. NYISO 2022-2023 – Winter Assessment & Winter Preparedness – Attachment #7.3.3 – A. Markham presented attachment #7.3.3 outlining the NYSIO efforts to prepare for Winter 2023-24.

8. Decarbonization & DER – M. Koenig-

81. 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 FERC proposals regarding Inverter-Based Resources to Improve Grid Reliability, NERC Warns Generation Resources Tight in Large Portion of North America this Winter, NERC Inverter-Based Resource Performance Subcommittee, the latest NYISO Blogs and Podcasts, and the NYISO Interconnection Queue: Storage / Solar / Wind / CLRs (Co-located Storage Resources).

9. Environmental Status Report/Issues – C. Wentlent – C. Wentlent stated that the CAC is currently on schedule to finalize the CAC Scoping Plan on December 19, 2022. Once the scoping plan is completed it will be passed on to New York State agencies for implementation. The scoping plan will

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Initial Draft: December 22, 2022

Revised: ~~January 8, 2023~~

Final: TBD

be reviewed on a periodic 5-year cycle. Next meeting between the NYSRC and the NYS DEC is January 19, 2023.

10. State/NPCC/Federal Energy Commission Activities –

101. NPCC Report – M. Sasson restated that the NPCC Board of Directors ~~isare-~~ focusing on the reliability risks posed by renewable IBRs. M. Sasson asked P Fedora to add additional detail. P. Fedora stated that NPCC is moving their offices to a smaller footprint in the same building in 2023. The NPCC Reliability Coordinating Committee met and endorsed-approved the winter 2023-234 NPCC Reliability Assessment as well at the 2022 NPCC Long-Term Adequacy Overview and Probabilistic Assessment. P Fedora stated that the 2023 NPCC meeting schedules are still being discussed. The NPCC RCC is planning to meet on December 16, 2022 to review the NPCC Regional recommendations for resource adequacy energy sufficiency assessments. some of the recommendations in an EPRI study.

102. NERC Report - P. Fedora – P Fedora stated the NERC Reliability and Security Technical Committee (RSTC) met on December 6-7, 2022 and approved all items on their agenda except for the EMT modeling guideline, which was postponed. P. Fedora stated eding that NERC released an announcement for the 2023 NERC Reliability Leadership Summit scheduled for ~~on~~ January 25, 2023. The event is used to inform the NERC Reliability Issues Steering Committee's report on the prospective risks to reliability in the coming years.

11. NAESB Activities – B. Ellsworth – B. Ellsworth stated that there was a NAESB Gas and Electric Forum (G-E Forum) on December 5, 2022. The next G-E Forum will be held on January 12, 2023. NAESB will be holding an information session for public information.

12. Visitor Comments – Commissioner Burman commended the NYSRC participants for their efforts supporting reliability and noted the importance of the work that is done. Commission Burman suggested that she would like to review the NERC Odessa 2 report.

13. Adjournment of the EC Open Meeting – C. Wentlent thanked B. Shanahan, G. Jordan, J. Adams, Y. Huang, and the NYISO and ICS teams for their efforts. C. Wentlent highlighted some focus areas for 2023 including, ICS modeling and the NYISO Resource Adequacy plan, the IBR and Extreme Weather working groups, CAC action, and A. Adamson's transition. C. Wentlent thanked the attendees for their diligence and efforts in keeping reliability in the spotlight with all of the upcoming industry transitions.

M. Domino made a motion to close the open Executive Committee Meeting #284 at 12:37pm. The motion was seconded by M. Sasson. The meeting was adjourned at 12:37 p.m.

14. Future Meeting Schedule

Meeting	Date	Location	Time
#285	January 13, 2023	Webex	9:30 AM PM