

Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC)
Meeting No. 289
May 12, 2023

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
Mayer Sasson	Consolidated Edison Co. of NY, Inc – Member
Deirdre Altobell	Consolidated Edison Co. of NY, Inc – Alternate Member
Christopher Fry	NYP&A – Member
Tim Lynch	NYSEG and RG&E – Member - Webex
Curt Dahl, P.E.	PSEGLI - Member
Mike Mager	Couch White - (Large Customer Sector) – Member
Richard Bratton	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
Cori Tackman	NYSRC Treasurer
Herb Schrayshuen	NYSRC Secretary
Brian Shanahan	National Grid, USA – ICS Chair - Webex
Phil Fedora	Northeast Power Coordinating Council Inc.
Gary Jordan	ICS Consultant
Wes Yeomans	NYSRC Consultant
Matt Koenig	Consolidated Edison - Webex
Leka Gjonaj	NYS Department of Public Service
Josh Boles	New York Independent System Operator - Webex
Tim Duffy	New York Independent System Operator - Webex
Yvonne Huang	New York Independent System Operator - Webex
Aaron Markham	New York Independent System Operator - Webex
Rana Mukerji	New York Independent System Operator
Robb Pike	New York Independent System Operator
Matt Schuler	New York Independent System Operator - Webex
Chris Sharp	New York Independent System Operator
Zach Smith	New York Independent System Operator
Matt Cinadr	E Cubed - Webex
Erin Hogan	DOS – Utility Intervention Unit - Webex
Tim Lundin	LS Power - Webex
John Norris	RTO Insider
Alex Novicki	Avangrid

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

- 1. Introduction** – C. Wentlent, EC Chair, called the NYSRC Executive Committee Meeting No. 289 to order at 9:30 a.m. on May 12, 2023. An initial quorum of 13 Members and Alternate Members of the NYSRC EC was established. C. Wentlent welcomed Alex Novicki from Avangrid and John Norris from RTO Insider.
 - 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. Report on the April 14, 2023 Closed Session** – C. Wentlent reported that at the last closed session the EC discussed the 2023 budget, the 2024 budget and the status of the website change over update.
 - 14. Requests for Closed Session Agenda Items** – None were requested.
 - 15. 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 #288 (April 14, 2023) – Attachment #2.1** – H. Schrayshuen presented attachment #2.1 which included all comments received as of Wednesday May 10, 2023. R. Clayton made a motion to approve the minutes of Meeting #288 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 #288 posted on the NYSRC website.
 - 22. Open Action Items Report** – Attachment #2.3 – H. Schrayshuen presented attachment #2.3 which provided the status of both the open standing and meeting generated action items.

- 3. Organizational Issues**
 - 31. Treasurer’s Report – C. Tackman**
 - 3.1.1. Summary of Receipts & Disbursements - Cash Receipts and Disbursements – Attachment #3.1.1** – C. Tackman presented attachment #3.1.1 - Statement of Cash Receipts and Disbursements for April 2023, noting the end-of-month balance cash is \$171,855.82 which includes \$60,000.00 of pre-payments.
 - 32. 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 number #276 held on May 3, 2023. B. Shanahan stated that the ICS continued to review the IRM Assumptions Matrix. B. Shanahan stated that the NYISO is continuing to review the 10-minute operating reserve assumption that were established in 2022. He noted in his report that after discussion, the ICS favored using a 400 MW 10-minute operating reserve assumption for the 2023 IRM Study.
 - 4.1.3 Load Forecast Uncertainty, LFU, Phase 3 Results – Attachment #4.1.3** - B. Shanahan stated that ICS reviewed the Load Forecast Uncertainty Whitepaper. ICS will focus on two areas, Variable scaling, Monthly vs Hourly LFU Multiplier and LFU BTM Solar Impacts. B. Shanahan stated that ICS will follow up with the EC in the 3rd quarter of 2023.

4.1.4 Policy 5 revision – Rounding Procedure – Attachment #4.1.4 – EC

Approval Item – B. Shanahan presented the need for and the proposed changes to Policy 5 developed by the ICS. The proposed changes clarify the rounding procedure used in the IRM Study. S. Whitley made a motion to approve the ICS proposed changes to Policy 5. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance, 13-0.

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

which is a summary of RRS meeting #277 held on May 4, 2023. R Clayton stated that the next RRS meeting will be held on June 1, 2023.

52. Potential Reliability Rule (PRR) Changes

5.2.1. PRR List – Attachment #5.2.1- R. Clayton reviewed attachment #5.2.1.

5.2.2. PRR 151 – Attachment #5.2.2 – For information only.

5.2.3. PRR 151# - Summary of Comments – Attachment #5.2.3 – R. Clayton stated that the comment period for PRR 151 is closed. R. Clayton stated that the IBR Working Group commenced in April of 2022 and all the WG meetings were open meetings. H. Schrayshuen stated that the emails that were sent regarding the PRR open comment period through the NYSRC interested parties list and the NYISO Technical Informational Exchange covered over 500 contacts. C. Wentlent noted that the NYSRC held three informational meetings on PRR 151, which had over 170 participants between the three sessions.. Nine parties submitted comments and RRS is in the process of reviewing the comments. R. Clayton stated that after comments are reviewed and the issues addressed, the RRS will present proposed PRR 151 changes to the EC with a recommendation whether the PRR should be reposted for an additional round of comments. R. Bolbrock asked R. Clayton if RRS has enough resources necessary to complete the tight timeline necessary for implementation. R. Clayton confirmed that RRS has the resources needed but in 2024 more IBR related technical resources will be needed to continue the IBR rule making effort.

5.2.4. PRR NYISO Class Year 2023 Participants List- Attachment #5.2.4 – R.

Clayton reviewed attachment #5.2.4 which includes 13,000 MW of IBR projects that could interconnect to the system, which highlights the need for an interconnection standard for IBR technology. It was noted that currently installed on the system there are 2,424 MW of land-based wind, 4,467 MW of behind the meter solar, 114 MW front of the meter solar, and 20 MW of energy storage resources.

53. EW WG Report – C. Dahl – C. Dahl stated that the Extreme Weather Working Group met on April 28, 2023. C. Dahl stated that the working group is developing a White Paper regarding Off Shore Wind Data Review Findings for use in future IRM studies.

5.3.1. Wind Lull Analysis – Attachment #5.3.1 – R. Clayton presented attachment #5.3.1, which subdivided the data collected over the past 21 years into 5-year segments and identified how many times wind lulls occurred over that 5-year period. A Wind Lull event is defined as occurring when the net capacity is less than 0.1 of nameplate for 24 hours, 48 hours and 72 hours, respectively. It was noted that during these events that the New York power system will also not be

able to rely on its neighboring power systems for support due to the lack of diversity. It was suggested that the data analysis be shared with other neighboring regional entities.

54. NERC/NPCC Standards Tracking – W. Yeomans

5.4.1. NERC Standard Tracking Report – Attachment #5.3.1 – W.

Yeomans presented attachment #5.3.1 stating that the BAL-003 comment period will commence on June 1, 2023.

55. Other RRS Issues – None to report

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

61. RCMS Status Report – R. Clayton stated there was no RCMS meeting in May and that RCMS will meet next on June 1, 2023.

7. NYISO Status Reports/Issues – C. Wentlent thanked the NYISO for their coordination on the IBR informational meeting and their detailed comments on PPR 151.

71. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 – Z. Smith presented attachment #7.1. Z. Smith stated that the 2023-2032 Comprehensive Reliability Plan, CRP, process has commenced. Due to the fact that the Reliability Needs Assessment identified low margins not actual reliability needs the CRP will focus on potential risks and concerns. The 2023 Q2 Short Term Assessment of Reliability (STAR) processed has started and will be published mid-July. It is expected that the updated Gold Book, which will be published at the end of April and used in the Q2 STAR will likely identify a reliability need. Z. Smith stated NYISO released the proposed ranking and recommendation selection for the Long Island Public Policy project.

72. NYISO Markets Report – R. Mukerji – Attachment #7.2 – R. Pike presented attachment #7.2. R. Pike stated that the NYISO continues working on the Capacity Aggregation Market Design. The NYISO has started their review of the ICAP Demand Curve, this is done every 4-5 years and is a year in a half project. R. Mukerji stated that FERC accepted the NYISO's recent filing for FERC Order 2222 and expects to implement any remaining rules necessary to fully comply with FERC Order 2222 by the end of 2026.

73. NYISO Operating Reports – A. Markham

7.3.1. NYISO Operations Report, April 2023 (short form) – Attachment #7.3.1 – A. Markham presented attachment #7.3.2. A. Markham stated that the peak load was 18,915 MW which occurred on April 14, 2023. There were 24.7 hours of thunderstorm alert and 17.3 hours of NERC TLR level 3 curtailments in April. The NYISO will start reporting the minimum load for the month. The minimum load for April was 11,742MW which occurred on April 9, 2023. It was noted that the upward ramp from the minimum load was 4,000 MW over the subsequent 5 hours. It was also noted that the minimum load breakout was 9,400 MW from Dual Fuel, Gas, Nuclear, and Hydro with 2,342 MW from intermittent . renewable sources or imports. A. Markham stated that the new Princetown 345 kV substation was placed in serviced on April 20, 2023 and the new transmission lines from New Scotland to Princetown were placed in service on May 2, 2023. The new Knickerbocker 345 kV substation was placed in service on April 28 and the new Knickerbocker transmission line to Pleasant Valley was placed was in-service on May 6, 2023.

7.3.2. NYISO Operations Report, April 2023 (long form) – Attachment #7.3.2 – Report was not available for the meeting.

7.3.3. NYISO 2023 Summer Capacity Assessment - Attachment #7.3.3 – A. Markham presented attachment #7.3.3 providing an overview of the coming summer's expected operating conditions.

8. Decarbonization & DER – M. Koenig-

8I. Decarbonization & DER Report – M. Koenig - Attachment #8.1 – M. Koenig reported on attachment #8.1 which includes links to the referenced documents. The report references information on a NERC Cross-Sector Collaboration: Addressing the Potential Challenges from Electric Vehicle Grid Impacts, a CBS 60 Minutes Report: Out of Thin Air – Direct Air Carbon Capture, a New York Times Article: Is It a Lake or a Better? New Kind of Hydropower Is Spreading Fast, and the latest NYISO Blogs, 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 NYSRC/DEC met on May 11, 2023. C. Wentlent stated that the New York State budget negotiation were completed. One area included in the final budget was establishment of Cap and Invest accounts for distribution of auction revenues when the final Cap and Invest program is designed and approved. . The NYS DEC has been designated as the lead organization, with NYSERDA providing support. The Cap and Invest draft regulation is expected at the end of 2023; with likely finalizing the rule and completing implementation requirements in Calendar Year 2024. The budget also included a natural gas ban for all new construction starting with new buildings seven stories and below in 2026 and all buildings in 2028. Finally, C. Wentlent noted the New York budget adopted the New York State Build Public Renewables Act which expands NYPA’s role to develop renewable energy and contains a commitment to shut down the NYPA owned Fossil generation by 2030. Legislatively, there is proposed legislation named the Peaker Justice Legislation which is intended to create a blueprint to shut the Peaker units down by 2030. The legislation has language related to reliability studies and NYPSC approval of reliability needs. C. Wentlent also noted that the EPA released proposed power plant emissions rules which propose new CO2 requirements for coal and higher capacity factor natural gas facilities. The rule was just released and will require more analysis to understand any reliability related concerns. .

10. State/NPCC/Federal Energy Commission Activities –

101. NPCC Report – M. Sasson stated that the NPCC Board of Directors met on May 3, 2023. M. Sasson stated that NERC Board Trustee Susan Keenan. M. Sasson stated that the NPCC 2024 Budget plan which has a proposed increase to accommodate the 2024 NPCC Business Plan. M. Sasson stated that the NPCC Board of Directors will meet in June in Boston. The day before the Boston meeting there will be an informational session to discuss strategic areas of interest. M. Sasson asked P. Fedora to report on additional NPCC activities. P. Fedora stated that the NPCC Board of Directors also reviewed the NPCC 2023 Summer Reliability Assessment. P. Fedora stated NPCC will hold a DER/VER Forum on May 25 and May 26. The focus will be on the NPCC DER/VER outreach.

102. NERC Report - P. Fedora – P Fedora stated that the NERC Member Representatives Committee, MRC, met on May 10, 2023. There was preview of the 2023 NERC Summer Assessment, the 2023 State of Reliability Report, and the Gas/Electric coordination activities with NASEB and NERC. The MRC discussed FERC activities and responded to the NERC BOT policy input request. The NERC Board of Trustees met on May 11. The NERC BOT announced Howard Gugel is now the VP of Compliance Assurance and Registration and Soo Jin Kim is now the VP of Engineering and Standards . The NERC BOT also approved the Texas Regional Entity revisions to its Regional Standards Development Process. There was an update on Cold Weather Standards and NERC issued a Level 3 Alert on Essential Actions to Industry for Cold Weather Preparation. NERC has planned a ten-part webinar series on IBR technology issues.

H. Schrayshuen stated that he will send out the link to the recent Senate Energy Committee hearing where FERC Commissioners responded to US Senator’s questions regarding electric reliability issues among other topics. R. Clayton stated that EPRI is planning a series of resource adequacy webcasts and suggests that someone representing the NYSRC should participate. P. Fedora stated that on May 9, NERC issued the framework on Cyber Transmission Planning.

11. NAESB Activities – B. Ellsworth – B. Ellsworth stated that on April 27 NASEB met and discussed whether a NERC/ERO type of organization is needed for the Gas Industry. The next NASEB meeting is scheduled for May 17, 2023.

12. Visitor Comments – None to report.

13. Adjournment of the EC Open Meeting – R. Bolbrock made a motion to close the open Executive Committee Meeting #289. The motion was seconded by M Domino. The meeting was adjourned at 12:37 p.m.

14. Future Meeting Schedule

Meeting	Date	Location	Time
#290	June 9, 2023	Wolferts Roost/Webex	9:30 AM