

Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 257
September 11, 2020
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 – 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
Tim Lynch	NYSEG and RG&E – Member
Bruce Fardanesh	NYPA – Member
Curt Dahl, P.E.	PSEG-LI– Member*
Mike Mager	Couch White-Large Customer 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
Ruby Chan	Central Hudson Gas and Electric – ICS Chair
Greg Drake	NYRSC ICS Consultant
Phil Fedora	Northeast Power Coordinating Council, Inc.
Diane Burman	NYS Department of Public Service
Vijay Puran	NYS Department of Public Service
Josh Boles	New York Independent System Operator*
Jason Frazier	New York Independent System Operator*
Nate Gilbraith	New York Independent System Operator
Rick Gonzales	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*
Matt Koenig	Consolidated Edison Co. of NY, Inc
Howard Kosel	Consolidated Edison Co. of NY, Inc
Norman Mah	Consolidated Edison Co. of NY, Inc
Mohammed Hossain	New York Power Authority
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Matt Cinadr	E Cubed, LLC
William Lamanna	North American Electric Reliability Corporation
Ed Schrom	Observer
George Smith	Observer
James Kaine	New York Power Authority
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. 257 to order at 9:30 a.m. on September 11, 2020. An initial quorum of 12 Members and Alternate Members of the NYSRC EC was established. M. Sasson recognized September 11 and the events that occurred on this date 19 years ago.
 11. **Identification of Visitors** – Visitors on the phone were identified.
 12. **Requests for Additional Open Session Agenda Items** – No additional open meeting agenda items were requested.
 13. **Request for Executive Session Agenda Items** – M. Sasson stated that there would not be an executive session.
 14. **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 #256 (August 2020) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the August 14, 2020 meeting, which included all comments received as of September 4, 2020. R. Clayton made a motion to approve the minutes of Meeting #256. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #256 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.

3. Organizational Issues

31. Summary of Receipts & Disbursements – A. Adamson

3.1.1. Statement of Cash Receipts and Disbursements – A. Adamson -

Attachment #3.1.1 - A. Adamson stated that the 3rd quarter call for funds has been completed. A. Adamson presented Attachment #3.1.1 – Statement of Cash Receipts and Disbursements for August 2020, noting the end of month balance of \$166,179.52. The end of month balance includes a member prepayment of \$55,000.00. A. Adamson stated that the projected budget overrun has decreased. The current overrun projection is \$5,000.00. R. Bolbrock joined the call during this discussion item.

3.1.2. Call for funds – Fourth Quarter 2020 – EC Approval Item – A.

Adamson – A. Adamson recommends that the EC approve a \$25,000.00 call for funds for the fourth quarter 2020 with payment due December 1, 2020. S. Whitley made a motion to approve the 4th quarter call for funds for 2020. The motion was seconded by M. Domino and was unanimously approved by the EC members in attendance (13 - 0). P. Gioia stated that he did look back at the NYSRC rules and confirmed that in Policy 3-8 section 2.0 it states the NYSRC EC shall authorize the call for funds requests.

32. Other Organizational Issues –

3.2.1. Revised Draft 2021 Schedule of NYSRC Meetings – H. Schrayshuen –

Attachment #3.2.1 – EC Approval Item – H. Schrayshuen presented attachment #3.2.1 discussed the changes from the prior draft of the 2021 meetings schedule. The November meeting will be Wednesday November 9, 2020. R. Bolbrock made a motion to approve the 2021 NYSRC Meetings. The motion was seconded by M.

Domino and was unanimously approved by the EC members in attendance (13 - 0). R. Chan stated that ICS meetings will begin at 10:00am.

- 3.2.2. Report on IRM Approval Changes to Accommodate Remote Balloting – H. Schrayshuen – Attachment #3.2.2** – H. Schrayshuen and C. Tackman presented attachment #3.2.2. After discussion it was decided that the EC will test virtual voting platform capability in WebEx and Survey Monkey prior to the October meeting. (AI-257-1)

4. Installed Capacity Subcommittee (ICS) Status Report/Issues – R. Chan, ICS Chair

- 4.1. ICS Chair Report – Attachment #4.1** – R. Chan reviewed attachment #4.1 – Summary of ICS meeting #236 on August 17, 2020 and ICS Meeting #237 September 2, 2020. It was noted that there will be a mid-month conference call on September 16th to review the Tan 45 results for the preliminary sensitivity cases. At the September 29th meeting, ICS will approve the fall load forecast and the Final 2021 IRM Base Case Assumption Matrix.
- 4.1.1. ICS Preliminary Study Results - Attachment #4.1.1 – EC Approval Item**
R. Chan presented attachment #4.1.1 showing the preliminary parametric results. In comparison from the 2020 preliminary parametric results, the biggest driver for the increase in IRM is the Load Forecast Uncertainty (LFU). The increase in IRM due to LFU will be studied in the planned LFU white paper. It was noted that Indian Point 3 has a significant impact on transmission limit on the UPNY/ConEd line. It was noted that looking at the system as a whole gives a more realistic scenario than looking at the removal of the single unit. A. Adamson stated the footnote ** is intended to identify to the reader that the IRM presented is not based on the Tan45 method. N. Gilbraith stated that the footnote was there due to past confusion and that the LCRs in the parametric study should not be used to make market decisions. P. Gioia noted his concern regarding our understanding of the actual impacts of an increase in the IRM. It was noted that the parametric study provides only a general idea whether the model is showing what is expected. If there was a shift in a different area than predicted, ICS and NYISO would investigate. With the parametric study complete, the numbers are normalized and the Tan45 is completed later. It was noted that Table #4.1.1 is not part of the final IRM report. It was confirmed that QA/QC review identified that certain topology updates were not originally captured in the topology for the parametric study. These updates were captured in the topology for the Preliminary Tan45 Base Case. NYISO reported that GE has signed off on the parametric study.
- 4.1.2. Preliminary 2021 Base IRM - R. Chan – Attachment #4.1.2 – EC Approval Item** - R. Chan stated that the Preliminary 2021 Base Case NYCA IRM is 20.1% with a NYC LCR of 82.7% and LI LCR of 97.3%. The NYISO noted that ConEd and LIPA will receive the database for their review around September 16, 2020. N. Gilbraith offered a suggestion that the ICS investigate the parameters that would contribute the fluctuation in LI LCR. The current Tan45 method does not implement a transmission security limit. M Younger stated that the transmission security limit is an issue that needs to be investigated and resolved. H. Kosel stated that he agrees the security limit is an issue and noted that there is not a simple fix within the current Tan45 method. M. Younger stated that the processes should be harmonized. M. Sasson stated ICS should investigate using the transmission security limit as a binding limit in the future. M. Sasson stated that the Preliminary IRM Base Case increase to 20.1% is significant and that the increase needs to be fully explained in the IRM Study Report. There was continued discussion of the LFU

parametric results. The NYISO re-estimates the MW of load change per degree of ambient temperature, but with the increase in weather uncertainty and the base load decreasing due to behind the meter resources such as solar, the LFU is going to increase. M. Younger suggested that the NYISO Load Forecasting Task Force prepare a short summary of their process. M. Sasson agreed that the suggested summary would be helpful. Z. Smith stated that the NYISO will provide language regarding the LFU process to ICS for inclusion in the IRM Report. R. Bolbrock made a motion to approve the 2021 Parametric Study, attachment #4.1.1, and the Preliminary Base IRM, attachment #4.1.2. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance. M. Sasson thanked the NYISO, M. Younger and H. Kosel for their input during the discussion. S. Whitley stated that the LFU driven IRM increase due to the decreasing load needs to be explored and clearly explained in the IRM Study Report.

4.1.3. Table 6-1 for Preliminary Base Case – R. Chan– Attachment #4.1.3 – R. Chan stated this table was provided to show the EC the format for the Preliminary Base Case in the final report.

42. Other ICS Issues – None to report.

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

51. RRS Status Report Discussion Issues – Attachment #5.1- R. Clayton reported on attachment #5.1, providing a summary of RRS meeting #253, which took place on September 3, 2020. There are currently no PRRs under development, open for comment, or up for final approval. R. Clayton stated the Reliability Rules & Compliance Manual version 45 has been uploaded on the website.

52. List of Potential Reliability Rule Changes – Attachment #5.2 – R. Clayton stated that the table in Attachment #5.2 is up to date.

53. Consideration of Long-Term Risk Factors - Attachment #5.3 - R. Clayton presented attachment #5.3 stating that the risk factors associated with the highlighted risks are resource adequacy and performance, bulk power system planning, and changing resource mix.

54. Review of California’s August 14/15 Firm Loading Shedding Events – Attachment #5.4.1, #5.4.2, #5.4.3, #5.4.4 – R. Clayton reviewed the attachments covering the California event that occurred in August 2020. Afterwards, there was a discussion on potential lessons learned from the event. It was noted by S. Whitley and M. Younger that California does not have a capacity market, and that they do not have planning methods that are sophisticated enough to ensure reliability. It was also noted that California relies heavily on neighboring power systems. P. Gioia stated his concern as to whether government leaders will acknowledge there are significant issues with a high percentage of renewable resources despite their strong support for large increases in renewables and sees that as a potential concern for New York. R. Gonzalez stated that as the NYISO learns more about the root causes of the California load shedding events, that knowledge should help strengthen NYISO reliability practices which already contain a number of differences from what is done in California. M. Mager requested that the final/official report on the California event be circulated. H. Schrayshuen suggested that the NYISO should also look at its Eastern Interconnection neighboring systems resource mix and asked whether those situations could compromise the NYCA. R. Gonzales stated that the NYISO will continue to be cautious, especially in the warmer months. C. Wentlent stated that

this event is a wake-up call, and he agrees it should be kept on the agenda to monitor California events, analysis, and reactions. C. Wentlent also stated that the Climate Action Council should be educated on the event. M. Sasson stated that RRS should continue to monitor the California event. W. Yeomans stated that the Governor of California had directed an investigation into the capacity shortfall. It was also noted that there will more than likely be a NERC investigation. (AI-257-2). It was also mentioned that California currently has a greater percentage of renewable generation in their resource mix than New York State, but the amount in California is currently a fraction of where New York State wants to go. It was also noted that California looked at replacing all of its fossil fuel generation with renewable generation regardless of whether the renewable generation was dispatchable or not. It should be noted that there might be a point where dispatchable generation cannot operate below certain levels consistent with system reliability criteria.

55. Other RRS Matters – None to report

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 #247 held on September 3, 2020. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8: R1) for August 2020. The RCMS found the NYISO in full compliance for Annual Voltage Reduction Tests (D.1 R10), NYISO Telecommunications with TOs (H.1: R1,2) Performance Data of Control Center Telecommunication Interfaces (H.1: R3), RIP SCR Performance Data Reporting (I.2: R5).

62. 2020 Reliability Compliance Program – R. Clayton - Attachment #6.3 – R. Clayton stated that the compliance scorecard is up to date.

63. Other RCMS Issues – None to report.

7. NYISO Status Reports/Issues

7.1. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 – Z. Smith reported that the draft of the RNA was discussed with stakeholders at the ESPWG meeting held on September 10, 2020 with a goal of NYISO Board of Directors approval in November 2020. Currently, the NYISO is performing a number of studies to look at high penetration of renewables. Z. Smith stated that the multiphase Climate Change Study is currently looking at how climate change could impact the system with load changes and extreme events. This is being done in conjunction with the state policy goal of being CO₂ emissions free in 2040. Z. Smith will present the study when completed to the NYSRC EC. (AI-257-3). The CARIS Phase I study is complete and the database updates are under way for Phase II. NYISO is taking the opportunity to do a through a review of the tariff for the economic planning process in ESPWG. NYISO is awaiting PSC action on a filing submitted by Long Island Power Authority Board of Trustees, which identified a transmission need due to public policy to assist with the flow of power off Long Island. LIPA made the filing in PSC Case No. E-18-0623. The NYISO also initiated the 2020-2021 Public Policy cycle on August 3, 2020. Proposed Public Policy Transmission Needs are due October 2, 2020.

7.1.1. Economic Planning Process 2019 CARIS Phase 1 Report – Jason Frasier - Attachment #7.1.1 – J. Frasier presented attachment #7.1.1 reviewing

NYSRC Exec. Comm. Meeting No.257

Initial Draft: September 24, 2020

Revised: October 7, 2020

Final: October 8, 2020

the 2019 CARIS Phase 1 Report, including the key findings. R. Clayton asked for comments on the increase in the IRM. Z. Smith stated that Planning is currently looking at it, but that it is beyond the scope of the CARIS Report. Z. Smith stated one reason for the study was to look at potential constraints on the system and then integrate that information into the 70x30 scenario in the RNA to help assess the impact of those constraints on resource adequacy. Z. Smith stated that NYISO Planning is also looking into dynamic stability of the system and plans to have that aspect included in the Comprehensive Reliability Planning Study in 2021.

72. NYISO Markets Report – R. Mukerji – Attachment #7.2 - R. Mukerji reviewed attachment #7.2, stating that work is continuing on future market designs. The proposal for Ancillary Services Shortage Pricing has evolved to also include a mechanism where the NYISO would procure supplemental reserves to assist with managing net load forecast uncertainty as more renewable resources are added to the grid. This proposal will be reviewed by the NYISO Committees. The NYISO Management Committee approved the proposal previously discussed for Reserves for Resource Flexibility. The NYISO Business Issues Committee and Management Committee approved the proposal previously discussed for Reserves for Resource Flexibility. The proposal will be presented for approval to the NYISO Board of Directors. The FERC approved the NYISO DER market design which is now in the implementation phase. The DER market design is projected to be fully implemented by the end of 2022. The NYISO implemented the Energy Storage Resource participation model on August 26, 2020. The Consultant's final report and the NYISO's initial report on the demand curve recommendations were published on August 5, 2020. The NYISO's final report including its demand curve recommendation was published on September 9, 2020. P. Fedora asked for an update on the FERC Ruling on the NYISO Mitigation Process. Previously, FERC approved how NYISO treats renewable conventional resource retirements and backfilling with renewables resources that are not subject to buyer side mitigation. FERC did not agree with the NYISO plan to place renewable resources in front of the queue because all resource types should be treated the same.

73. NYISO Monthly Operations Report – W. Yeomans – Attachment #7.3 –

W. Yeomans provided the following comments on the NYCA Summer 2020 Hot Weather Operations. Tropical Storm Isaias was primarily a high wind event (not rain or flooding) and resulted in 840,000 customer outages. The NYISO will continue to track tropical storm activity. The NYISO Operations Department will deliver a full report on Hot Weather Operations to the EC in October.

W. Yeomans presented an update on the steps the NYISO is taking to mitigate COVID-19 risk. The NYISO is continuing to utilize one control room for day shift and another control room for evening shifts to reduce operator contact. The NYISO general staff continues to operate remotely.

7.3.1. NYISO July Operations Report – Short Version - W. Yeomans - Attachment #7.3.1 – Attachment for informational purposes only.

7.3.2. NYISO Monthly Operations Report – Long Version – Attachment #7.3.2 – W. Yeomans reviewed attachment #7.3 stating that during the month of August there was Peak Load of 29,685 MW on August 10, 2020. There were 25 hours of Thunderstorm Alerts and no hours of NERC TLR level 3 curtailment.

8. Distributed Energy Resources (DER) – M. Koenig-

8.1. DER Report – M. Koenig - Attachment #8.1 – M. Koenig reported on attachment #8.1, highlighting presentation presented by the Joint Utilities (JU) of New York and EPRI both presented at New York State Interconnection Technical Working Group. As a follow up to a S. Whitley question whether the Distribution System Operator will have control over DER initiatives, M. Koenig stated there is no anticipation that the Distribution System operator would have control of DER output. The JU is looking to have statewide standardization and any local authority would be left to future decisions. As a follow-up to R. Clayton’s inquiry whether NERC or the JU have adopted the IEEE 1547-2018 standard version as more than a guideline, M. Koenig stated that material within IEEE-1547 will be adopted as the gold standard for minimum requirements.

9. Environmental Status Report/Issues – C. Wentlent – C. Wentlent stated the NYSRC/DEC meeting took place on September 10, 2020. The minutes of the meeting will be circulated and discussed for the October NYSRC meeting.

10. Resource Adequacy Working Group – C. Wentlent – No activity to report.

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 voted affirmative for standards FAC-001-4, FAC-014-3, CIP-014-3, FAC-003-5, FAC-003-3, PRC-002-2, PRC-023-5, PRC-026-2, TOP-001-6 and IRO-008-3. Balloting began for CIP-005-7, CIP-010-4, and CIP-013-2 on September 1, 2020 and will begin for CIP-004-7 and CIP-011-3 on September 11, 2020.

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

12.1. NPCC Report – Attachment #12.1 - M. Sasson – M Sasson presented the whitepaper on the NYSRC Resource Adequacy Working Group to NERC. M. Sasson also stated that the NPCC Board of Directors held their Strategic Planning Meeting and to set goals for 2021. There were a number of presentations made with goal suggestions, including one made on behalf of the NYSRC recommending that the Decarbonization of the Grid be approved as a new goal for NPCC.

12.2 NERC Report – P. Fedora – P. Fedora reported that the NERC Board of Trustees (BoT) Meeting and the Member Representatives Committee was held August 20, 2020. The NERC BoT elected a new trustee. The 2021 NERC and Regional Entity Budget and Business Plans were also approved. The updated E-ISAC Long-Term Strategy was accepted. The NERC Reliability and Security Technical Committee meeting is scheduled for Tuesday September 15, 2020.

12.3 Implementation of Presidential Order on Securing the US Bulk Power System – NYISO & TO input – C. Patka stated that he would forward comments that the NYISO RTO Council filed comments in respond the a request by the Department of Energy on supply chain management issues associated with the Presidential Order. F. Pace stated Central Hudson participated in EEI’s comments. Both sets of comments are being sent to the NYSRC Secretary to be forwarded to the EC Members.

13. NAESB Activities – B. Ellsworth – B. Ellsworth stated the NAESB quarterly bulletin was distributed to the NYSRC EC. A survey was sent out to NAESB members to request focused input. Some take-aways are continuation of standards development supporting distributed ledger technology, developing cyber security standards for both the gas wholesale and retail energy markets, developing standards to support integration

of battery storage in both the wholesale and retail energy markets, standards for imports. The NAESB Electric Registries was released.

14. Visitor Comments – There were no visitor comments.

15. Adjournment of the EC Open Meeting

The open Executive Committee Meeting #257 was adjourned at 1:34 p.m.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#258	October 8, 2020	WebEx	9:30 AM