

Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 256
August 14, 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
Deidre Altobell	Consolidated Edison Co. of NY, Inc – Alternate Member
Mark Domino, P.E.	National Grid, USA – Member
Tim Lynch	NYSEG and RG&E – Member
Rick Brophy	NYSEG and RG&E – Alternate 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
Charles Alonge	New York Independent System Operator
Josh Boles	New York Independent System Operator
Maeve Conway	New York Independent System Operator
Nate Gilbraith	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*
Matt Koenig	Consolidated Edison Co. of NY, Inc
Howard Kosel	Consolidated Edison Co. of NY, Inc
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Matt Cinadr	E Cubed, LLC
William Lamanna	North American Electric Reliability Corporation
Dan Mahoney	NYPA
Patti Caletka	NYPA
James Kaine	NYPA
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. 256 to order at 9:30 a.m. on August 17, 2020. An initial quorum of 13 Members and Alternate Members of the NYSRC EC was established.
 11. **Identification of Visitors** – Visitors on the phone were identified.
 12. **Requests for Additional Open Session Agenda Items** – No additional agenda items were requested.
 13. **Request for Executive Session Agenda Items** – M. Sasson stated that there would be an Executive Session.
 14. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts of interest via phone and via email.

2. **Meeting Minutes/Action Items List – H. Schrayshuen**
 21. **Approval of Minutes for Meeting #255 (July 2020) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the July 17, 2020 meeting, which included all comments received as of August 7, 2020. R. Clayton made one editorial change to section #4.1. S. Whitley made a motion to approve the minutes of Meeting #255 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 #255 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 July 2020, noting the end of month balance of \$201,927.67. The end of month balance includes a member prepayment of \$55,000.00. A. Adamson stated that there is a projected budget overrun of \$24,000.00.
 - 3.1.2. **Discussion regarding the Projected 2020 Budget Overrun – M. Sasson** – M. Sasson noted that there are three in-person meetings budgeted for 2020. C. Dahl and M. Domino stated that their companies have issued a moratorium on travel until 2021. M. Sasson echoed that sentiment and stated that the remaining NYSRC EC 2020 meetings will be virtual meetings. H. Schrayshuen stated that he will cancel the remaining reservations at Wolferts Roost and also that there needs to be some research into virtual platforms and Policy 5 changes that may be needed to implement IRM voting virtually. M. Sasson tasked H. Schrayshuen to review the voting process and to look at voting process changes which might be needed. (AI-256-1)
 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 discussed the changes from the prior draft of the 2021 meetings schedule. For the November 2021 Meeting, H. Schrayshuen stated that the NYISO reported that Friday November 5, 2021 will not work for its schedule. H. Schrayshuen proposed a new meeting date of Wednesday November 10, 2021. H. Schrayshuen also reported that ICS plans to

hold virtual meetings for at least the first three months of 2021. R. Clayton stated RRS and RCMS decided that they will hold all meetings in 2021 virtually and those meetings will start at 9:30am. H. Schrayshuen will update the meeting schedule with the planned changes for presentation and approval at the next EC meeting. (AI-256-2). H. Schrayshuen also asked the EC Members to review the EC Roster and report whether there are any changes needed. (AI-256-3)

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 #234 on August 5, 2020. In addition to reviewing the Load Forecast Uncertainty White Paper scope, Final Preliminary Base Case Assumptions Matrix and the List of Sensitivity cases for the IRM study. (Attachments 4.1.1, 4.1.2, 4.1.3) R. Chan also stated that the preliminary parametric study is almost complete, and that the ICS website has been updated to consolidate the IRM Model Presentation from the past three years in one location.

4.1.1. Load Forecast Uncertainty White Paper Scope - Attachment #4.1.1 – R. Chan reviewed the proposed scope of the LFU white paper. The NYISO Load Forecasting Group will be leading the efforts and expects to complete them in December 2020 and will bring recommendations to ICS in January 2021. ICS will help develop next steps. C. Dahl asked if load forecast uncertainty in all areas of the state are being considered and if a common method for evaluating LFU will be developed. C. Alonge stated that all areas of the state will be reviewed. M. Domino made a motion to approve the LFU White Paper Scope. The motion was seconded by C. Dahl and unanimously approved by the EC members in attendance (13 - 0)

4.1.2. 2021-2022 Preliminary Base Case Assumptions - R. Chan – Attachment #4.1.2 – R. Chan stated the matrix has been updated per the request of the EC, most of the assumption impacts are minimal (less than .5%), the LFU impact is moderate hence the previously approved white paper scope. ICS also updated the summer maintenance recommendation as well as the EOP and SCR assumptions.

4.1.3. List of Sensitivity Cases for the IRM Study – R. Chan – Attachment #4.1.3 – EC Approval Item – R. Chan stated that numbers 1-5 are the standard sensitivities that are reviewed yearly. Sensitivity 6 was added to evaluate the effect of SCR duration limitations. Sensitivity 7 was added to evaluate use of alternative data or methods to account for externals. Sensitivity number 8 was added to revise the topology consistent with RNA model. Sensitivity 8 is for informational purposes as it will not affect the 2021 IRM. A Tan 45 study will be completed on sensitivity 6 and depending on time availability and possibly for sensitivity 7. M. Sasson asked if ICS has planned to include a “no solar capacity” sensitivity as it currently does with a no wind capacity sensitivity (#4). M. Younger stated that the only solar resources accounted for in the IRM study is grid connected solar which is currently under 100 MW. The current IRM process does not model behind the meter solar. J. Boles stated the NYISO is very comfortable with items sensitivities #1-7. Sensitivity #8 (Impact of planned public policy upgrades), is a last minute addition, and the NYISO needs more time to review and will more than likely come back with a more generic proposal that would show an impact to the IRM with transmission build outs and not look at individual

projects. M. Younger raised a concern that the NYISO planning group does model the projects but does not replicate the full NYSRC IRM study process. M. Sasson stated that ICS should follow up with M. Younger's concern and report back to the EC. J. Boles stated that he will come back with a report after this topic is discussed in ICS, for the next EC meeting. **(AI-256-4)**. M. Younger made a motion to approve the list of sensitivity cases for the 2021 IRM Study. The motion was seconded by S. Whitely and unanimously approved by the EC members in attendance. (13-0).

4.1.4. Report on Effective Load Carrying Capability Study Process – J. Boles – Attachment #4.2

– J. Boles presented a proposal as an alternative approach to the full Effective Load Carrying Capability (ELCC) study when looking at the reliability value of intermittent resources changes as penetration increases. The proposal is to model two additional cases and compare them with two previously conducted studies, which are the 2020 IRM PBC with no transmission constraints (“Base Case”), and the Base Case with an additional 4,000 MW each of on-shore wind, off-shore wind, and solar PV. One additional case is the Base Case with 2,000MW each of on-shore wind, off-shore wind, and solar PV, and the second case is the Base Case with 6,000MW each of on-shore wind, off-shore wind, and solar PV. The four studies will provide the IRM, URM, and amount of UCAP removed from the system. Due to time constraints, the studies will be conducted with no transmission constraints, using the sensitivity process and not the Tan 45 process. C. Dahl raised a concern that previous studies have not only shown the impact of renewables on the IRM, but also in areas with strong locational restraints, the de-rate factor increases when more renewable resources come online. C. Dahl suggested that instead of trying to keep the timeline within the 2020 IRM study completion date, the work could be pushed to 2021 to allow time for use of the full Tan 45 method and include transmission constraints. M. Younger agreed to a longer timeline to include the Tan 45 and transmission constraints with the build out that NYISO Planning is currently looking at. R. Bolbrock stated that the EC should allow the proposal to go forward, and if needed refine it more after the results are presented. H. Kosel stated that the purpose of the study was to determine what the capacity value of renewables are and, in his opinion, the capacity value could be studied without transmission constraints. H. Kosel stated that the High Renewable White Paper expressed the concern in two ways; (1) does the capacity value decrease when more renewables are added, and (2) does the location of new renewables matter. He noted that the proposal is just focusing on the capacity value with the locational considerations to be studied at a later date. J. Boles will report back on the Zonal Shift White Paper, which is where the local transmission constraints will be studied. R. Clayton asked for clarification on the cases and the additional MW being proposed. There was general discussion on the percentage of renewables in the cases.

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 #252, which took place on August 6, 2020. There are currently no PRRs under development, open for

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comment, or up for final approval.

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 reviewed attachment #5.3, which is an excerpt from the NERC 2019 Reliability Risk Priority Report with some additional risks identifies by the RRS. R. Clayton stated that after the RRS reviewed the risks, and three key areas to focus their efforts on for long term planning were identified. The three areas identified are Cyber Security, Extreme Natural Events/Transmission Adequacy, and Resource Adequacy/Power System Planning/Changing Resource Mix. M. Sasson asked whether the need for rules for DERs was another risk area and stated that RRS should take their time to review these three focus areas. R. Clayton stated that DER is a current ongoing action item. Currently, there are no standards for DER. The IEEE, NERC and NPCC have all released guidelines to follow, but standards have not been developed. H. Schrayshuen noted that NERC is working on modifying some standards to include inverter-based resources specific requirements.

54. Other RRS Issues – R. Clayton stated that RRS received a presentation from Consolidated Edison to discuss a change in their Thunderstorm Watch Procedure. It was determined that the change would have minimal impact to the system reliability. Roger Clayton stated that the Reliability Rules & Compliance Manual V45 will be posted on the website when it is completed.

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 #246 held on August 6, 2020. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8: R1) for June and July 2020. The RCMS found the NYISO in full compliance for the Con Ed Operating Procedures and Reserves (G.1:R7), Con Ed Loss of Gas Supply Procedures and Actions (G.2:R2), Generator Owner Procedures for Testing Dual Fuel Capability of MOB Combined Cycle Units (G.2:R.5), and Generator Owner Dual Fuel Capability Testing of Combined Cycle Units (G.2:R6).

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

71. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 – Z. Smith reported that the NYISO initiated its first quarterly Short-Term Assessment of Reliability on July 15, 2020. The report is scheduled to be issued mid-October 2020. The NYISO Board of Directors has approved the 2019 CARIS Phase 1 Report. The next phase for CARIS is to update the databases for consideration of any proposed transmission projects. The NYISO initiated the 2020-2021 Public Policy cycle on August 3, 2020; proposals for transmission needs driven by public policy requirements are due October 2, 2020, and the proposed needs will subsequently be filed with the PSC. Z. Smith also stated that on July 30, 2020 the Long Island Power Authority Board of Trustees identified a transmission need due to public policy to assist with the flow of power off Long Island and has filed such a need in PSC Case

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E-18-0623. If the Public Service Commission agrees, an order would be issued soliciting solutions for that need and the NYISO would be involved with the in the planning process if approved. Z. Smith noted that priority transmission project submittals from NYPA were submitted to the PSC directly under the new state legislation and not through the NYISO Public Policy cycle. C. Patka also stated that any transmission project is subject to the NYISO interconnection process. R. Clayton asked for an update on the Champlain Hudson Power Express project. Z. Smith stated that the project is in this current class year, and the NYISO is expecting to complete the process. Following that, the project will be faced with the cost allocation decisions. The current version of the Champlain-Hudsons Power Express project is a two-terminal line from Quebec to New York City with the potential to accommodate a multi-terminal configuration. The multi-terminal line concept is not part of the current project design. R. Clayton stated that it would be a missed opportunity not to consider a multi-terminal line with a terminal in the Capital Region.

72. NYISO Markets Report – R. Mukerji - Attachment #7.2 – R. Mukerji reviewed attachment #7.2, stating that the Reserves for Resource Flexibility tariff change proposal received a successful vote at the Business Issues Committee and will be presented to the Management Committee. The Ancillary Services Shortage Pricing project is also going through the NYISO Committee process and will be presented to the Business Issues Committee in October. The FERC approved NYISO DER Market design is now in the implementation phase. The DER Market design was projected to be fully implemented by the end of 2021 but might slip into 2022. The Consultant’s final report and the NYISO’s initial report on the demand curve recommendations were published on August 5, 2020. Finalizing the report and NYISO Board discussion are expected in October.

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

W. Yeomans made the following comments on the NYCA Summer 2020 Hot Weather Operations: The NY 2020 Summer Peak Load is currently at 30,660 MW which occurred on Monday, July 27 with temperatures over 95 F in NYC and is within 95% of the 50-50 Summer 2020 forecast peak of 32,296 MW. NY has had no problems or issues associated with meeting operating criteria during hot weather operations. This is the first summer without Indian Point Unit 2 (1,000 MW nuclear) in Southeastern NY and two retired coal units in upstate NY, Somerset (670 MW) and Cayuga Station (160 MW). The new Cricket Valley (1,000 MW) combined cycle facility is commercial and operating in Southeastern NY. NY has now experienced at least five heat waves (temperatures over 90 F for three or more consecutive days) with much hotter weather conditions in upstate during early July and much hotter weather conditions downstate in late July. The statewide average load reduction attributable to Covid-19 impacts is around 2% with lower New York City commercial customer loads, yet higher residential air conditioning loads. Peak load impact during heat wave conditions is around 0%. New York has experienced two tropical storms: Tropical Storm Fay on July 11 and Tropical Storm Isaias on August 4. Tropical Storm Isaias was primarily a high wind event (not rain or flooding) and resulted in 840,000 customer outages. The NYISO Operations Department will deliver a full report on hot weather operations in September.

W. Yeomans presented an update on the steps the NYISO is taking to mitigate COVID-19 risk. The NYISO is continuing utilizing one control room for day 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 July there was Peak Load of 30,660 MW on July 27, 2020. There were 29.93 hours of Thunderstorm Alerts and no hours of NERC TLR level 3 curtailment.

8. Distributed Energy Resources (DER) – M. Koenig- M. Koenig stated that there is a NERC SPIDER Group meeting September 2nd and 3rd. The NERC calendar has the sign-up instructions for those who would like to attend.

8I. DER Report – M. Koenig - Attachment #8.1 – M. Koenig reported on attachment #8.1, highlighting that the Joint Utilities (JU) of New York efforts. The JU published a new Distribution System Implementation Plans on the JU website as well as a Joint Utilities Quarterly Newsletter. S. Whitley asked whether the distribution operator will have control over DER initiatives. M. Koenig will follow up with an answer to S. Whitley’s question. **(AI-256-5)** R. Clayton inquired regarding the status of either NERC or the Joint Utilities adopting the IEEE 1547-2018 version as more than a guideline. M. Koenig will follow up. **(AI-256-6)**

9. Environmental Status Report/Issues – C. Wentlent

9I. Notes of NYSRC/NYS DEC Meeting of July 16, 2020 – C. Wentlent – Attachment #9.1 – C. Wentlent reviewed the attachment summary of the NYSRC/NYSDEC meeting conference call highlighting the NYS DEC webinar on the value of carbon. The NYSDEC is tasked with creating regulation guidance documents on the social price of carbon to be used by state agencies to assist with policy decision making. On July 21, NYSERDA and the NYPSC released RFPs for Off-Shore and Tier 1 renewable projects. Each agency has its own RFP process. For the Transportation Climate Initiative, the states are working through a final detail on the model rule and could have an MOU commitment near the end of 2020. NYSERDA and the DPS filed a white paper to address the CLCPA requirements and posted it for comments. Comments are due on August 31, 2020. On July 16, the PSC issued an order establishing an electric vehicle (EV) infrastructure roadmap to help promote the availability of EV chargers. The Joint Utilities’ programs on heat pump expansion was also approved. There are two projects filed by NYPA with the PSC as potential priority projects pursuant to the Accelerated Renewable Energy Growth and Community Benefit Act. The next meeting with the NYSDEC is scheduled for September 10, 2020.

10. Resource Adequacy Working Group – C. Wentlent – C. Wentlent stated that A. Adamson and he made a presentation at the August ICS meeting on the Resource Adequacy White Paper including the recommendations stated in the paper. C. Wentlent thanked R. Chan, J. Boles and N. Gilbraith for their coordination assistance. The RAWG will meet with the NYISO once the IRM is completed to review the study result LOLH and EUE metrics.

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

11I. 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 will begin for CIP-004-7 and CIP-011-3 on September 11, 2020. and for CIP-005-7, CIP-010-4, and CIP-013-2 on September 1, 2020.

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

121. NPCC Report – Attachment #12.1 - M. Sasson – M. Sasson stated that the NPCC Board of Directors met on Wednesday August 12, 2020. Some highlights from the meeting were: discussion on the NPCC second virtual Compliance Workshop on July 14, there was an information session on cyber security which highlighted cyber security concerns due to working remotely. Some concerns are employees are receiving triple the normal amount of emails, and there has been increased phishing email attacks. There are some security issues with remote devices being used for business without the current cyber protection. NPCC is still projecting a 9% budget underrun. NPCC is the only regional entity projecting a budget decrease for 2021.

122. NERC Report – P. Fedora – P. Fedora reported that the NERC Board of Trustees (BOT) Meeting and the Member Representatives Committee will be August 20, 2020. Meeting materials are on the NERC website. Some agenda highlights include: BOT approval of the NERC and Regional Entities 2021 Proposed Business Plans and Budgets, modifications to the NPCC Standard Processes Manual, and the E-ISAC Long-Term Strategic Plan. The NERC Reliability and Security Technical Committee (RSTC) will be giving a status report regarding its organizational efforts. NERC recently released: the 2020 NERC State of Reliability Report, FERC/NERC Guide to Identify Supply Chain Vendors, and a Guidance document regarding the Self-Logging Program.

123. Implementation of Presidential Order on Securing the US Bulk Power System – NYISO & TO input – C. Patka reminded the EC that the Department of Energy issued in the Federal Register a request for information from the industry regarding current Practices Related To Mitigation Of Vulnerabilities In Bulk-Power System Supply Chain equipment procurement. M. Sasson asked for a summary of the submitted requests from the TOs. **(AI-256- 7)**

13. NAESB Activities – B. Ellsworth – B. Ellsworth reported that NAESB recently announced that its Wholesale Electric Quadrant has published its latest version 003.3 of its standards in response, among other things, to FERC's Order 890. It includes 153 new NAESB standards and 229 revisions. It is available on the NAESB website. The NAESB Board of Directors will meet virtually on September 3, 2020 and the reports expected to become available will include digital standards, critical infrastructure, and cybersecurity. A standards development survey sent by NAESB to some 2000 contacts has been completed, and the results should become available at the Sept. 3 NAESB Board meeting.

14. Visitor Comments – There were no visitor comments.

15. Adjournment of the EC Open Meeting

The open Executive Committee Meeting #256 was adjourned at 12:05 p.m.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#257	September 11, 2020	WebEx	9:30 AM

