

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 255
July 17, 2020
Conference Call

Members and Alternates in Attendance:

Roger Clayton, P.E.	Unaffiliated Member–EC Chair, RRS Chair, RCMS Chair
Mayer Sasson	Consolidated Edison Co. of NY, Inc–EC Vice Chair
Rich Bolbrock, P.E.	Unaffiliated Member
Bruce Ellsworth, P.E.	Unaffiliated Member
Steve Whitley	Unaffiliated Member
Frank Pace	Central Hudson Gas & Electric–Member
Deirdre Altobell	Consolidated Edison Co. of NY, Inc–Alternate Member*
Mark Domino, P.E.	National Grid, USA–Member*
Bart Franey	National Grid, USA–Alternate 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
Matt Schwall	Independent Power Producers of NY - Wholesale Sellers Sector – Member
Mark Younger	Hudson Energy Economics – Wholesale Sellers Sector – Alternate Member
Chris Wentlent	Municipal & Electric Cooperative Sector – 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
Liz Grisaru	NYS Department of Public Service*
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
Kathryn Hanagan	New York Independent System Operator
Rana Mukerji	New York Independent System Operator
Carl Patka	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
Norman Mah	Consolidated Edison Co. of NY, Inc
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Henry Chao	Quanta
Jim D’Andrea	Ravenswood Holdings, LLC
Erin Hogan	DOS-Utility Intervention Unit
Scott Leuthauser	Hydro Quebec
Dan Mahoney	NYPA

Mike Ruppert JEM
MaryAnn Wilczek PSEGLI
Cori Tackman Power Advisors, LLC
“*” Denotes part-time participation in the meeting

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 255 to order at 10:00a.m. on July 17, 2020. A 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** – An additional agenda item (#12.3) regarding the status of the PSC proceeding on transmission by L. Grisaru of the NY DPS was added.
 13. **Request for Executive Session Agenda Items** – No Executive Session agenda items were requested.
 14. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts of interest.
 15. **Chairman’s Minute** – R. Clayton stated that this was his last meeting as NYSRC Executive Committee Chair. R. Clayton thanked the EC Members, Sub Committee Members, and the NYISO staff for all of their support. R. Clayton also thanked P. Gioia and A. Adamson for their support and he welcomed M. Sasson as incoming Chair offering his support. M. Sasson, as incoming NYSRC EC Chair, thanked Roger for his leadership during the past two years.

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

21. Approval of Minutes for Meeting #254 (June 2020) – Attachment #2.1 – H. Schrayshuen introduced the revised draft minutes of the June 12, 2020 EC meeting which included all comments received as of July 10, 2020. H. Schrayshuen reviewed an additional change to the minutes that was submitted on July 16, 2020. A. Adamson and R. Clayton made additional changes. R. Bolbrock made a motion to approve the minutes of Meeting #254 with the proposed changes. 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 #254 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 attendee’s input. R. Clayton reported on action item #254-1 related to the Effective Load Carrying Capability (ELCC) study stating that there have been several conference calls with the NYISO and selected members of the EC on the subject. Regarding the study, M. Younger noted the work done in the NYSRC High Renewables Whitepaper identifying the characteristics of diminishing returns toward reliability as renewable penetrations increased. He noted that this issue has been discussed in several other publications e.g., NREL, The Brattle Group, and the NYISO. He suggested that the NYSRC should consider what is involve in performing the ELCC study that was requested. J. Boles stated that he will discuss the next steps with the EC at the August 2020 meeting. J. D’Andrea also stated that PJM is conducting an ELCC study.

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 presented Attachment #3.1.1 – Statement of Cash

Receipts and Disbursements for June 2020, noting the end of month balance of \$186,266.91 which includes a \$55,000.00 prepayment from one member. A. Adamson discussed the changes to the Treasurer's report that were requested at the June EC meeting. M. Sasson stated that for the first time the NYSRC is looking at a budget overrun. M. Sasson stated that being over halfway through the year, he believes that adjustments can be made to reduce the projected \$24,000 overrun. R. Clayton requested an action item to review the current budget and develop additional action items to reduce the overrun. (AI-255-1)

3.1.2. Third Quarter Call for Funds – A. Adamson – A. Adamson stated even though it was discussed, a vote should occur to approve the Third Quarter Call for Funds discussed at the last EC meeting and requested a vote. M. Sasson made a motion to approve the Third Quarter Call for Funds set at \$25,000.00 with a due date of July 1, 2020. The motion was seconded by S. Whitley and was unanimously approved by the EC members in attendance (13-0).

3.1.3. Proposed 2021 Budget – A. Adamson - Attachment #3.1.3 – A. Adamson presented the 2021 Budget. The proposed NYSRC budget for 2021 is \$696,000.00. R. Clayton stated that a primary goal was to set the budget comparatively flat relative to the 2020 budget. A. Adamson noted that a new budget line, "Other Unaffiliated Member Meeting Fees," was added to help separate certain meeting fees to assist future accounting efforts. M. Sasson made a motion to approve the 2021 budget as presented. The motion was seconded by R. Clayton and unanimously approved by the EC members in attendance (13-0).

3.1.4. Proposed 2021 Funding Mechanism – A. Adamson – Attachment #3.1.4 – A. Adamson stated that the funding mechanism is consistent to that approved for 2020. The membership fee will stay at \$5,000.00 per member and all expenses in excess of \$45,000.00 will be split evenly among the six Transmission Owners. Item number 3 on the 2021 Funding Mechanism document will read as follows:

"The 2021 NYSRC budget will be set at \$696,000.00, as approved by the NYSRC Executive Committee at its July 17, 2020 meeting."

There was general discussion regarding the possibility of raising the basic membership fee from the present \$5,000 for each member. After discussion, M. Sasson offered that the membership fee should remain the same for 2021 due to the current global pandemic and other uncertainties. R. Bolbrock made a motion to approve the 2021 Funding Mechanism as presented. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance (13-0). R. Clayton thanked A. Adamson for his effort in creating the budget along with everyone that provided input.

32 Other Organizational Issues

3.2.1. Draft 2021 Schedule of NYSRC Meetings – H. Schrayshuen – H. Schrayshuen reviewed the Draft 2021 Schedule of NYSRC Meetings. M. Domino questioned the proposed Friday November 12, 2020 meeting date following the November 11 Veteran's day holiday. R. Clayton requested that comments on the draft schedule as well as other November date proposals be sent to H. Schrayshuen. R. Bolbrock asked if the proposed meeting locations were reflected in the 2021 budget. R. Clayton confirmed that the budget included the planned WebEx and in-person meetings for 50% of the 2021 meetings. There was a brief discussion on the

preference for in-person meetings and the potential for scheduling more than six in-person EC meetings after 2021. Hybrid meetings were also discussed. M. Sasson reminded EC members that this level of 2021 in-person meetings was agreed to as an assumption for the 2021 budget. The discussion regarding meeting locations was tabled to a future date.

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

- 41. ICS Chair Report – Attachment #4.1** – R. Chan reviewed attachment #4.1 – Summary of ICS meeting #233 on June 23, 2020. R. Chan stated that during its meeting ICS finalized the 2021 Final Preliminary Base Case Assumptions Matrix and 2021 IRM Topology. R. Chan also gave a status update on the 2021 IRM Study and stated that ICS is working on finalizing the Sensitivity cases to bring to the EC in August. R. Chan provided a follow up to the Loaf Forecast Uncertainty (LFU) issue noting that LFU was increasing in all areas except Zone K, stating the change to the assumption resulted from using 2019 data vs. 2018 data as the basis. ICS is concerned with the LFU increase for the second year in a row and is working on developing a whitepaper to help identify the driving factors for the increases. The ICS will start work on the whitepaper in January 2021.

4.1.1. 2021 Final Preliminary Base Case Assumptions Matrix and 2021 IRM Topology - Attachment #4.1.1 – R. Chan reviewed the 2021 Final Preliminary Base Case Assumptions Matrix and 2021 IRM Topology. G. Drake stated that item number 37, External Adjustments per Policy 5, should have a same language as the 2020 IRM study. G. Drake stated that he understands that this item is under constant review, but the treatment of the data will be the same for the 2021 IRM Study as it was in the 2020 IRM Study. N. Gilbraith stated he agrees with G. Drake’s suggestion. M. Sasson requested that once the Base Case Assumptions Matrix’s TBD items are updated that the Matrix should be presented again to the EC. N. Gilbraith confirmed that when the Matrix is updated it will be presented again to the EC. (AI-255-2) R. Bolbrock made a motion to approve the proposed 2021 Final Preliminary Base Case Assumptions Matrix and 2021 IRM Topology. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance. (13-0)

4.1.2. Unified Methodology & IRM Anchoring Method (TAN 45 Presentation) – N. Gilbraith – Attachment #4.1.2 – N. Gilbraith presented an overview of the TAN 45 Method used for the IRM study, N. Gilbraith identified that next steps include identifying potential changes in the Tan45 method that could impact the reliability contribution of renewables as identified in the NYSRC High Renewables Whitepaper.

- 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 #251, which took place on June 25, 2020. There are currently no PRRs under development or posted for comment.
- 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. PRRs for Final Approval**

5.3.1. PRR 128 Definition of the New York State Bulk Power System – Attachment #5.3.1- R. Clayton stated that PRR 128 is a glossary change to align the NYSRC EC definition with the NPCC revised method for identifying those facilities that constitute the bulk power system in the New York Control Area.. The glossary change acknowledges and adopts the NPCC A-10 document, which was approved by the NPCC members in May 2020. M. Sasson, noting that Con Edison had brought this issue to the NYSRC 5 years ago, which started the review process that is culminating today, made a motion to approve PRR #128 as a NYSRC reliability rule. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance. (13-0)

54. Other RRS Issues – R. Clayton stated RRS is continuing to develop a Long-Term Reliability Risk Priorities document. After receiving the notice that Indian Point #2 has shut down RRS indicated that it is time to remove exceptions 17 & 18 from the Reliability Rules and Compliance Manual in accordance with the original EC approval.

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 #245 held on June 25, 2020. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8: R1) for May 2020. The RCMS found the NYISO in full compliance for the List of NYS BPS Facilities (B.3:R1 to R3), 2020 Fault Current Assessment, 2020 Resource Adequacy Assessment (C.5:R1, R3), Equipment Owner Fault Current Assessment Actions (C.5:R2).

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 preliminary findings for the 2020 RNA were presented at the June ESPWG meeting. Those findings included a number of reliability needs. Z. Smith stated that a number of the Reliability Needs are due to the new generator retirements expected as a result of the NYSDEC Peaker Rule that will implement emission limitations in 2023 and 2025. Z. Smith stated more detail on the preliminary 2020 RNA results are in the meeting materials under the June 19, 2020 ESPWG meeting documents on the NYISO website. M. Sasson asked for clarification regarding the major driving factor of the new Reliability Needs identified is the new Peaker Rule. Z. Smith confirmed the Peaker rule as primary, but also stated that the needs are partially due to NYISO procedure improvements for the planning process. Z. Smith noted the next ESPWG meeting is July 23, 2020 and that additional updates will be discussed in the coming months. R. Clayton asked about next steps to finding solutions for the identified needs. Z. Smith noted the schedule for the RNA is as follows; continuing work through September 2020, final stakeholder review and approval in October, and NYISO Board of Directors approval November 2020. Z. Smith stated the TOs will be able to submit local transmission solutions throughout the rest of the process to address the Reliability Needs. Once the RNA is finalized the

TOs will have another opportunity to update their local plans, and if needed the NYISO will move forward with the planning process and issue a solicitation for solutions with an emphasis on market-based solutions. S. Whitley asked about the types of needs and Z. Smith stated there are transmission security and resource adequacy needs.

Z. Smith also reported that the CARIS report is scheduled for NYISO Board of Directors review and approval at its next meeting. The final report will be posted when approved and there will be a summary presentation brought to the EC at a future date. Z. Smith noted that the Western Project's Article VII certificate was approved. He also noted that the next Public Policy Process cycle will begin August 2020 with a solicitation of ideas on what projects might be driven by Public Policy Requirements, that are then filed with the PSC for a determination of Public Policy Transmission Needs. C. Wentlent asked how the new NYPA-submitted projects factor into the planning process. Z. Smith stated the NYISO is waiting for more detail and that any changes to the bulk power system are subject to the interconnection study process. He said the NYISO would turn to its inclusion rules to address how projects are added to base cases in planning studies.

- 72. NYISO Markets Report – R. Mukerji - Attachment #7.2** – R. Mukerji reviewed attachment #7.2. R. Mukerji stated that the market design for the Tailored Availability Metric has been filed with the FERC. He noted that market rules for the Ancillary Services Shortage Pricing market design are in the design phase. To assist in the market design changes, the NYISO worked with The Brattle Group to model economic system expansions to look at the potential 2030/2040 systems. Energy Storage Resource market design is in the implementation phase.

7.2.1. Reliability and Market Considerations for a Grid in Transition – Attachment #7.2.1 – R. Mukerji – R. Mukerji delivered a summary of the presentation that The Brattle Group provided to the DPS Technical Conference on July 10, 2020. R. Bolbrock asked about the source of the cost data. R. Mukerji stated that The Brattle Group looked at public current pricing and cost estimates. R. Clayton asked whether the increasing IRM was taken into consideration in the study. R. Mukerji confirmed that it was. S. Whitley asked about the concerns in the industry regarding system dynamic stability in systems with high levels of intermittent resources being injected into the system. Both R. Mukerji and Z. Smith stated that those are continuing concerns and that the NYISO Markets and Planning Groups are working closely together to ensure system stability.

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

W. Yeomans stated that there was a heatwave in Western NY and that Tropical Depression Fay came through the downstate region in the beginning of July. Neither weather event caused a reliability issue. During the month of June there was Peak Load of 26,980 MW on June 22, 2020. There were 6 hours of Thunderstorm Alerts and no hours of NERC TLR level 3 curtailment. Overall load continues to be low throughout the state because of COVID-19.

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

8.1. DER Report – M. Koenig - Attachment #8.1 – M. Koenig reported on attachment #8.1, highlighting the NERC Inverter-Based Resource Performance Task Force (NERC IRPTF) activity. All the links to documents mentioned are in the attachment. The NERC IRPTF released a whitepaper titled BPS-Connected Inverter

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Based Resource Priorities and a webinar on the previously mentioned BPS Connected Inverter-Based Resource Modeling and Studies was also released. Lastly NERC IRPTF held a 2-day WebEx conference on a variety of topics regarding inverter-based resource performance and control. M. Koenig also highlighted that the draft NPCC DER Guidance Document, titled: Distributed Energy Resources (DER) Considerations to Optimize and Enhance System Resilience and Reliability, is posted on the NPCC website for review and comment. He also reported that the NERC SPIDER Working Group's next meeting is September 2-3, 2020. P. Fedora made a clarification to the report on the NPCC Business Plan and Budget. The 21% is allocated for NPCC Reliability Assessment and Performance Analysis (RAPA) activity, not just DER activities. R. Clayton stated that he appreciates the level of detail that M. Koenig presented.

9. Environmental Status Report/Issues – C. Wentlent – C. Wentlent stated the NYSRC/DEC conference call was July 16, 2020 and the meeting minutes are still in progress.

10. Resource Adequacy Working Group – C. Wentlent –

10.1. Report on the PSC Resource Adequacy Technical Conference July 10, 2020 – Attachment #10.1 – C. Wentlent - C. Wentlent stated the attachment is a summary of the Friday July 10, 2020 of the DPS Resource Adequacy Technical Conference. C. Wentlent stated that it was noted in the presentation that any resource adequacy structure considered must meet the 1 day in 10- years LOLE criterion. The presentation that was given to the Technical Conference is a live link in attachment #10.1.

R. Clayton requested the status of next steps regarding the metrics developed in the Resource Adequacy Methods whitepaper developed by the Resource Adequacy Working Group. C. Wentlent stated that there have been several conference calls with the NYISO to work through the recommendations in the whitepaper. A. Adamson and C. Wentlent will provide an overview of the whitepaper at the August 2020 ICS meeting. The Resource Adequacy Working Group will review the upcoming IRM data on the new metrics and will follow up with the EC at a future date. The objective is to better understand the EUE and LOLH metrics.

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 no on NERC Standards CIP-005-7, CIP-010-4, and CIP-013-2. Balloting for NERC Standards FAC-011-4, FAC-014-3, CIP-014-3, FAC-003-5, FAC-003-3, PRC-002-2, PRC-023-5, PRC-026-2, TOP-001-6, IRO-008-3, will begin July 24, 2020. A. Adamson will send out an email requesting voting recommendations.

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

12.1. NPCC Report – Attachment #12.1 - M. Sasson – M Sasson reviewed attachment #12.1, highlighting that the NPCC Board of Directors met on June 24, 2020. At the meeting a potential NERC Alert was discussed. The Level 2 Alert was actually issued on July 8 with responses due by August 21, 2020. Also, the NPCC Board of Directors approved the NPCC 2021 Final Budget and Business Plan. The NPCC Reliability Coordination Committee will have an opening for a Vice Chair. Also, it was discussed that all on-site audits will become off-site audits for the

remainder of 2020. The next meeting will be August 12, 2020.

122. NERC Report – P. Fedora – P. Fedora noted that NERC issued the second draft of their 2021 Business Plan and Budget. Comments are due by July 31, 2020. The NERC Member Representatives Committee (MRC) pre-meeting call is scheduled for July 22, 2020. The NERC Board of Trustees have asked for input on the Long-Term Strategic Plan of the Electricity Information Sharing and Analysis Center, which will be discussed at the August 20, 2020 NERC Board of Trustees Meeting. P. Fedora also mentioned that the upcoming IEEE Resource Adequacy Working Group meeting will be held virtually on August 6-7, 2020.

123. PSC Case 20-E-0197 Transmission Planning re CLCPA Proceeding – L. Grisaru – L. Grisaru stated that the Order came out on May 14, 2020. In the order there are some provisions requiring a power grid study, as well as the Commission initiating two proceedings to identify and advance transmissions projects to meet the CLCPA goals. The Order tasks the TOs and the Commission to develop a plan to identify projects that are necessary to implement the CLCPA targets. The Order does recognize work that is currently being done by the TO working groups and builds on them. The Commission is asking the TO working groups to continue to work on previously initiated studies with a request for an update due August 1, 2020. The Commission also asked TO working groups for plans for planning and accounting methods with cost analysis in reference to CLCPA. The Commission is looking to give recommendations in October 2020 and specific project proposals in November 2020. R. Clayton raised a concern on how market participants are going to respond due to the uncertainties, L. Grisaru stated that the results of the Bulk Power Study are going to be foundational, and that setting the stage for future projects and the planning for them is a continuing process. J. D’Andrea asked if the studies could layout as to where the studies are similar or different to the NYISO work. L. Grisaru said that the NYISO is a participant in the studies and there has been stakeholder outreach and there will more than likely be some upcoming technical conferences scheduled. S. Whitley asked if there is anything in the order on cost recovery. L. Grisaru stated that the Order tasks the TO Working Groups to make recommendations on cost recovery. M. Sasson asked for a progress report in December (AI-255-3). M. Sasson inquired regarding the priority projects for NYPA and how are they defined. It was noted that the priority project designation comes out of the statute. NYPA filed a petition to have some projects considered priority projects and the petition is still open for comment.

13. NAESB Activities – B. Ellsworth – B. Ellsworth reported NAESB will have a Board Meeting on July 30, 2020.

14. Visitor Comments – There were no visitor comments.

15. Adjournment of the EC Open Meeting

The Open Executive Committee Meeting #255 was adjourned at 1:12pm.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#256	August 14, 2020	WebEx	9:30 AM