

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 250
February 7, 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
George Smith, P.E.	Unaffiliated Member
Frank Pace	Central Hudson Gas & Electric – Member
Mark Domino, P.E.	National Grid, USA – Member
Tim Lynch	NYSEG and RG&E – 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
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 & Electric – ICS Chair
Greg Drake	NYSRC ICS Consultant
Phil Fedora	Northeast Power Coordinating Council, Inc.
Diane Burman	NYS Public Service Commission
Leka Gjonaj	NYS Department of Public Service
Josh Boles	New York Independent System Operator
Mike DeSocio	New York Independent System Operator*
Carl Patka	New York Independent System Operator*
Robert Pike	New York Independent System Operator*
Zach Smith	New York Independent System Operator*
Wes Yeomans	New York Independent System Operator *
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Matt Cinadr	ECubed
Ken Galarneau	Key Capture Energy
Scott Leuthauser	Hydro Quebec

“*” Denotes part-time participation in the meeting

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 250 to order at 9:30 a.m. on February 7, 2020. A quorum of 12 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** – H. Schrayshuen requested that the Code of Conduct process be added to the Executive Session agenda.
 14. **Report on Executive Committee meeting of January 10, 2020** – R. Clayton stated that in the previous EC Executive Session, the selection committee initiated the task of filling the new Unaffiliated Member opening. Additionally, the EC discussed the scope of work for the Resource Adequacy Metric Working Group.
 15. **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 No. 249 (January 2020) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the December 6, 2019, which included all comments received as of February 5, 2020. R. Clayton made a change to item 4.3.1; P. Gioia made changes to section 1.4, 3.4, and 4.3.1. P. Fedora made an editorial change to 7.1. M. Domino made a motion to approve the minutes of Meeting #249 including the proposed changes. The motion was seconded by G. Smith and unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #249 posted on the NYSRC website.
 22. **Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen reviewed the action item list.
3. **Organizational Issues**
 31. **Summary of Receipts & Disbursements – A. Adamson** – A. Adamson stated that all but one member has paid the Call for Funds for the first quarter.
 - 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 January 2020, noting the end of month balance of \$91,309.94. this balance includes all first quarter call funds received. As of February 7, 2020, one member has not paid the 1st quarter for funds payments. A reminder has been sent to the outstanding member. The 2019 audit is in progress. R. Clayton asked how the actual expenses compared to the budgeted expenses. A. Adamson stated the January expenses were in line with the budget but he forecasts that the budget will be tight for 2020.
 32. **Review and update EC Roster – H. Schrayshuen** – H. Schrayshuen stated he has made the submitted changes to the NYSRC EC Roster. The updated EC Roster is posted on the website. H. Schrayshuen will submit changes as needed throughout the year.
 33. **2020 Code of Conduct Review – H. Schrayshuen** – H. Schrayshuen stated that he received all the Code of Conduct disclosures for the EC Members and Alternates. Code of Conduct disclosures were not received from some administrative staff and ICS members but will be obtained in the near future.
 34. **Other Organizational Issues** – None to report
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 #228 on January 28, 2020. R. Chan stated that during the meeting, the ICS reviewed and approved the Milestone schedule and she

requested EC approval of the Milestone Schedule presented in Attachment #4.1 Part A. The attachment shows one change to last year's schedule. ICS is requesting that the TOs review the preliminary transmission topology earlier in the process in order for the NYISO to add the information into the preliminary base case. F. Pace made a motion for the EC to approve the 2021 ICS Milestone Schedule. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (12-0).

R. Chan reviewed the scope and projected completion dates to the whitepapers listed in Attachment #4.1. During discussing it was decided to strike the second proposed whitepaper, Resource Adequacy with Substantial Quantities of Non-Dispatchable Resources. Instead the NYISO will continue to work on the four recommendations presented in the High Renewable Resource Modeling White Paper. ICS will review the NYISO's recommendation and bring its findings to ICS and ICS will update the EC. (AI-250-1). R. Chan stated that ICS will provide a more detailed scope to the External Area Whitepaper during the March or April timeframe. (AI-250-2). G. Smith asked if the Load Forecast Uncertainty would incorporate roof top solar. R. Chan responded that this paper would consist of reviewing the past data and the impact of the IRM, the intent is not to talk about causality of the data. G. Smith suggested that roof top solar is a cause of the Load Forecast Uncertainty and whether that topic could be added to this whitepaper. It was decided that this proposed whitepaper would look at the data and the correlation of the solar production to the IRM.. There would be a recommendation section to this whitepaper which could include trying to discover the cause of the Uncertainty. M. Mager made a motion to approve the proposed whitepaper list. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (12-0).

4.1.1. High Renewable Resource Modeling White Paper – Attachment #4.1 Part B – EC Approval Item – R. Chan – R. Chan presented the attachment. R. Chan stated that all of the comments received have been addressed. The whitepaper was recirculated to ICS for review. After further EC discussion, it was decided that another round of revision was needed. The NYISO will address the concerns presented by P. Gioia and P. Gioia will review the revision. After the revision is reviewed by both NYSRC and NYISO counsel, the paper will be redistributed to the by February 13, 2020 to ICS and EC with an email ballot deadline of February 20, 2020. The EC will then be asked to complete an email ballot to approve this whitepaper. (AI-250-3)

42. Revision for the IRM Voting Process Second Draft – P. Gioia – Attachment #4.2 – EC Approval Item – P. Gioia stated that he made the changes previously discussed. The changes include, language stating that the Base Case IRM does not have to be voted on if it does not pull enough votes in the Straw Poll Vote. Another change is that differences from the Base Case can be changed by a .1% instead of the previous .2%. Finally language was added to state that if the NYSRC does not select a new IRM, the previous IRM will remain in effect for the upcoming capacity year. C. Wentlent made a motion to adopt the changes to the voting procedures as discussed. The motion was seconded by M. Mager and unanimously approved by the EC members in attendance (12-0). This motion is effective immediately and will be added the Policy 5 update list. R. Chan stated that G. Drake is reviewing Policy 5 to see if other updates are necessary. A.

Adamson stated that in June the ICS plans to bring all the Policy 5 revisions to the EC for approval.

43. Other ICS Issues –

4.3.1. Report on NYSRC Consultants Meeting – Attachment #4.3.1 – R.

Clayton – R. Clayton stated that there was a meeting on January 23, 2020 with R. Clayton, R. Chan, J. Adams, G. Drake, and A. Adamson, for the purposes of: (1) acquainting Greg Drake with NYSRC policies, procedures, and committee responsibilities, (2) identifying the areas the NYSRC Consultants presently support, (3) discussing and exchanging thoughts and ideas on current NYSRC issues and, (4) from the outcome of the discussion, provide recommendations to the NYSRC EC Chair.

R. Clayton reviewed the following recommendations that were discussed during the meeting: (1) To assure the NYSRC and EC objectives, the NYSRC Consultants should prepare ICS white papers and other reports jointly with NYISO staff as appropriate; (2) The ICS scope should be revised to include long term as well next year IRM and resource adequacy issues; (3) The NYSRC should consider hosting a workshop on renewable resource issues, including modeling, in which representatives from other systems would be asked to present papers; (4) As an alternate to Recommendation 3, the NYSRC and NYISO should engage other systems, through conferences or other means to discuss the challenges of modeling renewable resources and other renewable resource issues; (5) ICS should consider revising the “special sensitivity” procedure for IRM studies. This is to determine which sensitivities are to be Tan 45 vs non Tan 45; (6) The EC should consider preparing reliability issues tracking matrix; (7) The NYSRC website should be reviewed for any appropriate improvements. (8) The EC should continuously monitor the changing NYCA resource mix to determine if reliability rules remain adequate; and (9) Provide LOEE results as part of 2021 IRM Study.

R. Clayton asked for feedback on the recommendations. Z. Smith responded to recommendation number 2 that under the new rule that was adopted the NYISO currently has to report back to the EC on the ESPWG scope of work that looks at long term planning process through its stakeholder process. Z. Smith asked the NYSRC to revisit recommendation 2, since a reporting process is already in place. R. Clayton stated the recommendation number 5 should become an ICS action item. R. Clayton also stated that any comments on recommendation number 7 should be provided to him.

R. Clayton opened the floor to discussion on recommendation number 9. A. Adamson stated that it was his understanding that the MARS was able to provide data on LOEE and would like to get that data as part of the 2021 IRM Study to assist the newly formed Resource Adequacy Working Group and for examining alternate metrics. J. Boles stated that he would take an action item to determine what data is being requested and report back. (AI-250-4)

R. Clayton stated this meeting was a productive call and helpful to aligning

everyone's ideas and goal for ICS. Greg Drake stated that he appreciated the meeting and agreed that it was very helpful.

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 #246, which took place on January 30, 2019. There are three PRRs under development. PRR 128 is tabled pending completion of the NPCC A-10 revision. R. Clayton stated that RRS is seeking EC approval to post PRR 146 for comment. Lastly PRR 148 on Mitigation of Major Emergencies was submitted by the NYISO. RRS is currently working with the NYISO on this PRR. There are two PRRs up for comment, PRR 145 and PRR 147. Currently there are no comments received. R. Clayton stated that he brought a report from NERC to the RRS, entitled “2019 ERO Reliability Risk Priorities Report”. Some risks identified in that report are Cyber Security, System Planning, Loss of Situational Awareness, Changing Resource Mix, Bulk Power System Planning, Resource Adequacy, Human Performance and increasing complexity in control systems. RRS is going to consider these items as related to the NYCA.
- 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. Review and approval of PRR #146 for posting – Attachment #5.3 –** A. R. Clayton reviewed attachment #5.3. G. Smith asked if the DER_A model is referenced in PRR #146, R. Clayton stated that it is included per the PRR’s “Associated NERC & NPCC Standards, Criteria & Guidelines” G. Smith made a motion to post PRR 146 for comment. The motion was seconded by C. Dahl and unanimously approved by the EC members in attendance (12-0). P. Gioia suggested inviting Bob Catell from Advance Energy Research and Technology Center to the April EC meeting. M. Mager suggested a pre-meeting to discuss the scope of the discussion. P. Gioia will reach out to Bob Catell to setup a conference call. (AI-250-6)
- 54. Other RRS Issues –**
 - 5.4.1. 2019 Reliability Rules Subcommittee Report – Attachment #5.4.1 –** R. Clayton reviewed Attachment #5.4. R. Clayton thanked the NYISO staff for their assistance with the RRS. The report will be posted on the reports portion of the NYSRC website.

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 #240 on January 30, 2020. He reported that the RCMS found that the NYISO to be in full compliance for Real Time Operations of the NYS BPS (C8: R1) for December 2019.
- 62. 2019 Reliability Compliance Program Highlights Report – A. Adamson - Attachment #6.2 –** A. Adamson reviewed attachment #6.2 highlighting page 2 table 1 which summarizes the various compliance submissions. All submissions were found in full compliance.
- 63. 2020 Reliability Compliance Program – A. Adamson – Attachment #6.3 –** A.

Adamson – A. Adamson reviewed attachment #6.3. A. Adamson stated that NYISO has reviewed the program and is in agreement. M. Domino made a motion to approve the 2020 Reliability Compliance Program as discussed. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (12-0).

- 64. 2020 Reliability Compliance Program Summary – A. Adamson – Attachment #6.4** – A. Adamson – reviewed the summary for the 2020 Reliability Compliance Program.

- 65. 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 2020 Reliability Planning Process Cycle has started with the 2020 Reliability Needs Assessment (RNA). Z. Smith stated that the Peaker Rule compliance plans are due March 2, 2020 and will be taken into account in the 2020 RNA base case. There will also be a 70x30 scenario performed in the RNA looking at a very high renewable mix. To prepare for the 2020 RNA the NYISO has reviewed the TO's Local Transmission Plans and the Operating Committee approved changes to the Reliability Planning Process Plan. Z. Smith also noted the NYISO Management Committee and the NYISO Board of Directors have approved tariff changes to create a Short Term Reliability Planning Process and to amend the Reliability Planning Process to focus on years 4-10 of the study period. The NYISO will submit these tariff changes to FERC. G. Smith asked if stability analysis is included in the reliability process and Z. Smith confirmed that yes there will be some reference to stability analysis. R. Clayton asked if the NYISO will be utilizing the DER_ A Model. Z. Smith will report back. (AI-250-5)

Z. Smith stated that the 2019 Economic Planning Process (CARIS) process is still underway. The Base Case results were presented at the end of 2019 and they are now looking at the 70x30 scenario with a mix of resources to help process system constraints, conditions, possible overlaps and gaps. The NYISO is not saying the proposed scenario is what is required or what the system will look like but is just one scenario.

The AC Transmission Article VII was approved for Segment A and Segment B is being approved. Z. Smith stated that the develop agreements for Segments A and B are complete. C. Wentlent asked for a Western NY transmission project update and Z. Smith stated all the monthly updates show the project is on track.

- 72. NYISO Markets Report – M. DeSocio - Attachment #7.2** – M. DeSocio reviewed attachment #7.2 stating a study was completed Ancillary Services Shortage Pricing. The report recommended some market enhancements. Those enhancements are being drafted. The NYISO is exploring the need to increase the reserves procured due to the increases in load forecast uncertainty. M. DeSocio also stated that FERC accepted the initial DER market design proposal and the NYISO will continue to develop the proposals.
- 73. NYISO Monthly Operations Report – W. Yeomans - Attachment #7.3** – W. Yeomans presented attachment #7.3. W. Yeomans stated that the NYISO did successfully deploy an EMS and Business Management platform on February 4,

2020. For the month of January there was a Peak Load of 21,895 MW on January 20, 2019. There were no hours of Thunder Storm Alerts and six hours of NERC TLR level 3 curtailment. R. Clayton asked about the six emergency transfers referenced in the report. W. Yeomans provided examples of some scenarios that would cause an emergency transfers referenced in the report and how they typically would be rectified. He noted that most of the time the market adjusts to mitigate the emergency.

8. Distributed Energy Resources (DER) – G. Smith

81. Report on DER Activities – Attachment #8.1 – G. Smith presented attachment #8.1 which highlighted an ERPI Paper from December 2019 on the Duke Energy Progress Distributed Energy Resources Case Study. H. Schrayshuen will distribute the full Duke report. After a brief discussion R. Clayton stated that one concern he had was how well simulation models will be able to model DER on a large scale. At the NY ITWG there was a presentation on grounding by EPRI, there was discussion of the Energy Storage System Roadmap (list of concerns), the Coordination Electric System Interconnection Review (CESIR) standard process, a study done by utilities, and the ISO NE initiative to develop standardized trip setting requirements for DER which includes behind the meter DER. G Smith stated that he believes that NY ITWG will take ownership of inverter trip setting specification.

82. Other DER Issues – None to report.

9. Environmental Status Report/Issues – C. Wentlent – Attachment #9.1 – C. Wentlent discussed attachment #9.1 which highlighted the NYSRC/DEC meeting that took place on January 17, 2020. C. Wentlent stated that the Climate Action Council (CAC) has been formed. The CAC needs to have a draft scoping plan by 2022, and a final scoping plan by 2023. There is a Transportation Climate Initiative which incorporated a joint effort from Northeast and Mid-Atlantic states in mid-December. The Initiative issued a joint memorandum of understanding which is currently out for comment. There was a ruling in January by the NYS PSC that changed how developers can bid renewable energy products into annual solicitations, by allowing them to bid an index price vs a Tier 1 REC price. The order makes the change effective for the 2020 REC auctions. The next conference call is scheduled for March 19, 2020. M. Sasson stated that NYC Mayor de Blasio signed an Executive Order ordering that there will be no more infrastructure built that will deliver fossil fuel in New York City. H. Schrayshuen stated that he will send out the link to the Executive Order. (AI 250-7). C. Wentlent stated that in the State of the State address the Governor plans to make the ban on fracking permanent, The Governor is also planning to form a working group to look into additional transmission needs and for state agencies to review the Article X generation siting process.

10. NERC/NPCC Standards Tracking – A. Adamson – Attachment#10.1

101. NERC Standard Tracking – A. Adamson – Attachment #10.1 – A. Adamson stated the following standards passed, FAC-002-3, IRO-010- 3, MOD-031-3, MOD-033-2, NUC-001-4, PRC-006-4, TOP-003-4. The NYSRC voted affirmative on the previous mentioned standards. The NYSRC voted no on the following standards CIP-004-7 and CIP-011-3. These standards did not pass and will be going back through the NERC Standards development process.

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

11.1. NPCC Report – M. Sasson – M. Sasson noted that the NPCC Board met on January 29, 2020. M. Sasson asked P. Fedora to report on the NPCC Board meeting. P. Fedora stated that the NPCC Board discussed and approved the 2020-2021 NPCC committee Work Plans and Scopes: the 2020 NPCC Corporate Reliability, and the 2019 NPCC Corporate Goal Attainment. He noted there was discussion of the Draft NPCC 2020-2023 Strategic Plan. P. Fedora also stated that the next NPCC sponsored DER Forum will be held Feb 13, 2020; the weblink to the meeting had been distributed. The NPCC Reliability Coordination Committee (RCC) will meet on February 27, 2020. The RCC is expected to vote on the revised NPCC Document A-10 Criteria for Full Member ballot. There will also be a presentation on the preliminary NPCC 2020 Summer Reliability Assessment. P. Fedora also stated that NPCC is in the process of redesigning its website. M. Sasson stated that there was discussion of an EPRI paper on electromagnetic pulse (EMP).

11.2. NERC Report – P. Fedora – P. Fedora reviewed the NERC policy input requested by the NERC Board of Trustees (BoT) for their February 5-6 meeting. The BoT meetings focused on the EMP Task Force Recommendation, the NERC 2020 Workplan Priorities and Critical Infrastructure Protection (CIP) Standards Modifications, and the formation of the NERC Reliability and Security Technical Committee (RSTC) membership, which was approved. For the RSTC there will be an organization meeting the first week in March and the committee will begin its work in June 2020. P. Fedora noted that the annual FERC Reliability Technical Conference is scheduled for Thursday June 25, 2020.

12. NAESB Activities – B. Ellsworth – B. Ellsworth reported that the next NAESB Advisory Council meeting is February 8, 2020.

13. Visitor Comments – Matt Cinadr noted that he making a commented on DER grounding with the PSC Staff working group during the ERPI grounding presentation at the NYITWG meeting.

14. Adjournment of the EC Open Meeting

The Open Executive Committee Meeting #250 was adjourned at 12:31pm.

15. Future Meeting Schedule

Meeting	Date	Location	Time
#251	March 13, 2020	Wolferts Roost Country Club 120 Van Rensselaer Boulevard Albany, NY 12204	9:30 AM