

**Draft Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 246**  
**October 10, 2019**  
**Wolferts Roost Country Club**  
**120 Van Rensselaer Blvd, Albany, NY 12204**

**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
Mike Ridolfino	Central Hudson Gas & Electric – Alternate Member
Mark Domino, P.E.	National Grid, USA – Member – Phone
Tim Lynch	NYSEG and RG&E – Member
Rick Brophy	NYSEG and RG&E – Alternate Member – Phone
Bruce Fardanesh	NYP&A – Alternate Member
Curt Dahl, P.E.	PSEG-LI – Member
Mark Younger	Hudson Energy Economics - Wholesale Seller - 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 – Phone
Howard Kosel	Consolidated Edison Co. of NY, Inc – ICS Chair – Proxy for M Sasson
Phil Fedora	Northeast Power Coordinating Council, Inc.
Vijay Puran	NYS Department of Public Service
Carl Patka	New York Independent System Operator
Rick Gonzales	New York Independent System Operator
Rana Mukerji	New York Independent System Operator
Josh Boles	New York Independent System Operator
Zach Smith	New York Independent System Operator
Robert Pike	New York Independent System Operator
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Cori Tackman	Power Advisors, LLC
Scott Leuthauser	Hydro Quebec – Phone

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

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 246 to order at 9:36 a.m. on October 10, 2019. A quorum of 12 Members and Alternate Members of the NYSRC EC was established. There was a telecommunications error in the beginning of the meeting. H. Schrayshuen stated that he would take the action item to get the issue fixed for the next set of meetings. (AI-246-1)
  11. **Identification of Visitors** – Visitors in the room and on the phone were identified.
  12. **Requests for Additional Open Session Agenda Items** – R. Clayton noted that there is a Multiple Interveners ~~Meeting-meeting~~ in the afternoon and requested a meeting update from C. Wentlent and M. Younger. M. Younger recommended requesting meeting material from M. Mager. (AI-246-2)
  13. **Request for Executive Session Agenda Items** – R. Clayton stated there is an executive session scheduled, with three agenda items. No additional agenda items were requested.
  14. **Report on Executive Committee meeting of September 13, 2019** – R. Clayton stated that in the previous EC Executive Session there was a discussion on the PSC Resource Adequacy Order – Case #19-E-0530. The discussion is ongoing.
  15. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts identified.

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

21. **Approval of Minutes for Meeting No. 245 (September 2019) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the September 13, 2019, which included all comments received as of October 4, 2019. P. Gioia advised that the report on the previous Executive Session Meetings, section 1.4, in the open meeting minutes should only identify the topic and the outcome. P. Gioia proposed changes to section 9.1. R. Bolbrock made a motion to approve the minutes of Meeting #245 including the proposed changes. The motion was seconded by G. Smith ~~and was~~ unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #245 posted on the NYSRC website.
22. **Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen reviewed and updated Attachment #2.2 based on the EC member comments. Z. Smith reported on AI-244-1. It was determined there is not enough information to attempt to determine the magnitude of load changes resulting from public appeals. His report closes AI-244-1. P. Gioia stated that AI-237-9 is complete. C. Patka stated that AI-245-2 is also complete.

## 3. Organizational Issues

### 31. Summary of Receipts & Disbursements

#### 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 September 2019, noting the end of month balance of \$112,393.12 includes a \$55,000.00 prepayment. Since September 30 and the meeting date, the 4<sup>th</sup> quarter call for funds has been completed by all transmission owners.

32. **Other Organizational Issues** – H. Schrayshuen reminded the attendees that November EC Meeting is Thursday November 7, 2019 at Wolferts Ro~~ast~~ and the location for the December 6, 2019 EC Meeting is now the NYISO.

## 4. Installed Capacity Subcommittee (ICS) Status Report/Issues – H. Kosel, ICS Chair

41. **ICS Chair Report – Attachment #4.1** – H. Kosel reviewed attachment #4.1 – Summary of ICS meeting #224 on September 4, 2019. H. Kosel stated the NYISO

presented and ~~the~~ ICS reviewed and approved the updated fall load forecast to be used for the 2020-~~2021~~ IRM study. Con Edison and PSEG-LI discussed their findings when reviewing the preliminary base case. Neither TO found any major issues. There was a discussion between the TO's on an import limit from NYC to LI, but after further review it was determined that the import limit used in the study is appropriate. The NYISO presented results of the LCR Optimization using the 2020-~~2021~~ Preliminary IRM of 18.6%. H. Kosel brought the 2020 IRM Sensitivity Cases table to the EC's attention. These will be requested for approval at a future EC meeting. It was noted that the Long Island public appeal number is imbedded in the base case and will not be used in separate sensitivity analysis. C. Dahl suggested that language to discuss sensitivities #1 and #5 be added to the report. A. Adamson stated that there already is language in the working draft.

42. **IRM Final Assumptions Matrix - Attachment #4.2 – EC Approval Item** – H. Kosel discussed attachment #4.2. H. Kosel presented the 2020 IRM Final Assumptions Matrix. M. Sasson made a motion to approve the 2020 IRM Final Assumptions Matrix. The motion was seconded by B. Ellsworth and unanimously approved by the EC members in attendance (12 - 0).

43. **Other ICS Issues** – R. Clayton stated that he ~~had been~~ a discussion with P. Fedora on the origin of the one ~~day~~-in-ten ~~years resource adequacy~~ ~~criteria~~. He stated that P. Fedora sent an email on the history and R. Clayton will distributed the history to the group. A. Adamson suggested that a published article ~~be distributed~~ on the ~~criteria~~ also ~~be distributed~~. A. Adamson will forward the article to R. Clayton for distribution ~~on to the EC~~. (AI-246-3). R. Clayton stated that P. Fedora passed along a link to the IEEE LOLE Best Practices Working Group which he will forward on. R. Clayton stated NERC has scheduled a meeting December 11-13 ~~entitled on~~ "Probabilistic Process Forum". H. Schrayshuen noted that this is an annual meeting and last year the notice went to ICS membership. R. Bolbrock asked if NERC still publishes books on the different ~~r~~Resource ~~a~~Adequacy calculations methods throughout NERC jurisdiction. P Fedora stated that they are not published ~~in~~ hardcopy anymore but ~~that~~ he will distribute the links to documents outlining ~~the different~~ approaches currently used (AI-246-4).

## 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 October 3, 2019. There are currently 6 PRRs under development. PRR 128 is tabled pending the NPCC A-10 revision completion. PRR 142B – B.2, the proposer of this ~~draft~~ rule is in agreement that no action is needed. The request has been withdrawn. PRR 143, Loss of Gas Supply, has been tabled until the NYISO finalizes the 2024 Fuel and Energy Security Study, which may provide more information for development of the PRR. PRR 145 – Review of Resource Adequacy, Long Term, is currently in development. This PRR would change the NYSRC ~~Rule A3 rule~~ to provide a ten-year ~~IRM~~ outlook on resource adequacy and how it may impact the IRM. PRR 146 – B.2 Transmission Planning Assessments, the RRS is looking at special studies (e.g., dynamics) for generator or energy storage unit interconnections. RRS is currently working on a draft PRR. PRR 147-B.1. – R Clayton stated that there is currently nothing in the Reliability Rules referring to Inverter Base Resources and that the RRS is working on verbiage to reference the NPCC DER ~~Guide~~ Guidance Document. RRS is also waiting on the NYISO requirements for aggregate distribution level ~~aggregate~~ interconnections. There are currently no PRRs posted for comment or final approval.

52. **List of Potential Reliability Rule Changes – Attachment #5.2** – R. Clayton stated

NYSRC Exec. Comm. Meeting No. 246  
Initial Draft: October 22, 2019  
Revised: ~~November 3, 2019~~ TBD  
Final: TBD

that the table is up to date.

**53. Other RRS Issues – None**

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

**6.1. RCMS Status Report – Attachment #6.1** - R. Clayton reported on attachment #6.1, a summary of the RCMS Meeting #236 on October 3, 2019. R. Clayton reported that the RCMS found the NYISO in full compliance for Real Time Operations of the NYS Bulk Power System (C8: R1) for August 2019. RCMS also found the NYISO in full compliance for Generator Owner Generating Unit Outage Data Reporting (I.2: R2), Generating Unit Outage Statistics (I.2:R3), Market Participant Transmission Data Reporting (I.4: R3).

**6.2 2019 Reliability Compliance Program – Attachment #6.2** – R. Clayton stated that the compliance stated scorecard is up to date. A. Adamson stated that item, B.2:R1, NYCA 2018 Transmission Review, was recently added to the scorecard.

**6.3 Other RCMS Issues – None**

**7. NYISO Status Reports/Issues**

**7.1. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1** – Z. Smith reported that the ESPWG has finalized the base case assumptions for CARIS. The report will include a scenario for the 70x30 state policy renewable resource requirements. G. Smith asked about the usage of the DER\_A Model, and whether it is gaining traction. Z. Smith stated that the system model group has been working with the model, but there is hesitation to use it due to previous issues with the model. For CARIS, the DER\_A Model will not be used but it might be utilized in the future RNA. G. Smith stated that at the NERC SPIDER Spider Working Group, PJM G&E gave a presentation on a study that they commissioned with Argonne National Laboratory and working with EPRI to take a current 2021 case and adjusted it to projected 2031 DER penetration levels to test the model. Through testing PJM G&E concluded that the model is working well. Z. Smith stated that once the NYISO puts the DER\_A Model through its paces and establishes confidence with the model, it will discuss incorporating it into future work. R. Clayton stated that it would be useful to know what software Argonne National Laboratory is using and how much effort did it take it took to get the results. The use of the model will be an ongoing item for discussion.

**7.2. NYISO Markets Report – R. Mukerji - Attachment #7.2** – R. Mukerji reviewed attachment #7.2. R. Mukerji advised the EC to look at the report in Attachment #9.2 on carbon pricing. Over the summer the NYISO examined placing NYC in its own reserve zone. The NYISO is now considering creating reserve zones in NYC. The NYISO is looking at other ISOs/RTOs/ reserve zone procedures. In the Capacity Market, the NYISO is looking at how much to pay and in what hours of the day for wind and solar capacity. There are currently two filings waiting for FERC review on the proposed DER markets. The NYISO is currently working on the demand curve for capacity price.

**7.3. NYISO Monthly Operations Report – W. Yeomans - Attachment #7.3** – R. Gonzales reported on behalf of W. Yeomans. R. Gonzales presented attachment #7.3. For the month of September there was a Peak Load of 26,080 MW on September 11, 2019. There were 4 hours of Thunder Storm Alerts and 0 hours of NERC TLR level 3 curtailment. There was one Major Emergency was declared on 9/3/2019 in hour beginning 09:00 for the trip of the Marcy 345kV North Bus. No load was shed. This event was reviewed at RSS. R. Gonzales stated that the Summer

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Assessment and the Winter Preparedness Report would ~~probably~~ be available for the November EC meeting.

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

**81. Report on DER Activities – Attachment #8.1** – G. Smith stated that he attended the NERC SPIDER Working Group and that ~~the next subject the group will for the SPIDER working group to~~ address is Energy Storage. There is a guideline on performance and reliability model verification involving DER data collection, events data collection, aggregation, and DER forecasting as related to modeling. There was a paper on California’s experience with disaggregation. A presentation ~~was delivered~~ on developing a guideline on the Bulk Power System perspective on IEEE 1547-2018. ~~was delivered~~. The focus is on elements in that standard that have impact on the Bulk Power System. ISO-NE and PG&E have developed DER disturbance ride-through requirements. G. Smith did ask the NY-~~Interconnection Technical Working Group~~ for an update on ride-through requirements planned for New York.

**82. Other DER Issues** – R. Clayton stated the NPCC RSC announced a DER Forum will take place on October 17, 2019.

## 9. Environmental Status Report/Issues – C. Wentlent

– C. Wentlent stated the NYSRC/DEC meeting took place on September 19, 2019. There was discussion on the Part 227-3 rule, which is in its public comment period. The NYISO comments on the rule were attached as attachment #9.3. The Pennsylvania Governor has expressed interest in joining the RGGI program. There is a report on Carbon Pricing provided as attachment #9.2. The EC is advised to review the report. The next NYSRC/DEC call is scheduled for November 14, 2019 at 9:00am.

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

**101. NERC Standard Tracking – A. Adamson – Attachment #10.1** – A. Adamson stated an email was sent for input on the modifications to PRC-024-2. Voting will take place between October 24 and November 4, 2019.

## 11. Reliability Initiative – G. Smith

– G. Smith stated that the ~~n~~Non-CEII version of the Reliability Initiative Report is being reviewed. The CEII report is being consolidated. The CEII report will be placed on the NYISO secure website. When the final report is completed, this standing agenda item will removed from future meeting agendas.

## 12. State/NPCC/Federal Activities – P. Fedora

**121. NPCC Report – P. Fedora** – H. Schrayshuen presented on behalf of P. Fedora. H Schrayshuen stated ~~that the~~ NPCC conducted a Gas-Electric Inter-dependency Table Top Exercise ~~scheduled~~ on October 8, 2019 at the NYISO. The exercise involved a hypothetical system event with multi-Area and cross-sector consequences. The exercise was designed to inform and educate participants on the interconnected electric-natural gas systems interdependencies and to practice responses to a hypothetical event. The goal of the exercise is to provide an opportunity for gas and electric system operators to discuss their cross-sector communication and coordination practices and identify any improvements and/or enhancements. NYISO provided a tour of the control room following the exercise. R. Gonzalez stated the exercise was a tremendous success and thanked ~~the~~ NPCC for their efforts.

The NPCC Regional Standards Committee (RSC) has announced its third NPCC DER Forum - at NYPA's Robert Moses Niagara Hydroelectric Plant in Lewiston, NY. The Forum will commence on Day 2 of the next RSC meeting - October 17, 2019, 8:30 am – 2:00 pm. RSC members, NERC, FERC and presenters may attend in person; others are encouraged to participate via WebEx, due to space constraints at the meeting location.

The next NPCC Board meeting is a teleconference scheduled for October 30<sup>th</sup>.

**122. NERC Report – P. Fedora** – H. Schrayshuen presented on behalf of P. Fedora. H Schrayshuen stated The NERC Member Representatives Committee (MRC) will hold a Pre-Meeting and Informational Webinar Session (today, October 10, at 11:00 am) to preview the proposed agenda topics for the MRC, Board of Trustees (Board) and Board Committee meetings scheduled for November 5, 2019 in Atlanta, Georgia. During this call/webinar, NERC staff will also provide informational updates on ERO initiatives that are of interest to the MRC and other stakeholders. The agenda for this combined call/webinar includes discussion of :

1. Preliminary Agenda topics for the November 5, 2019 Board, Board Committees, and MRC Meetings;
2. Overview of Policy Input Letter;
  - a. Reliability and Security Technical Committee Proposal;
3. MRC Governance Guidelines; and,
4. Electromagnetic Pulse (EMP) Task Force Strategic Recommendations Report Update

October 18th NERC Webinar - Proposal for Restructuring NERC Technical Committees - This industry-wide webinar will cover detailed aspects of the restructuring proposal including the revised participation model of the RSTC and the timeline for transitioning to the RSTC. All interested stakeholders are invited to attend and participate.

**13. NAESB Activities – B. Ellsworth** – B. Ellsworth noted that NAESB is considering whether they need to be involved in the development of battery standards.

**14. Visitor Comments** – None

**15. Adjournment of the EC Open Meeting**

The Executive Committee Meeting #246 was adjourned at 11:25am.

**16. Future Meeting Schedule**

Meeting	Date	Location	Time
#247	November 7, 2019	Wolferts Roost Country Club 120 Van Rensselaer Blvd. Albany, NY 12204	9:30 AM