

**Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 242**  
**June 14, 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 – Member – Vice Chair
George Loehr	Unaffiliated Member - Phone
Bruce Ellsworth, P.E.	Unaffiliated Member
George Smith, P.E.	Unaffiliated Member
Frank Pace	Central Hudson Gas & Electric – Alternate Member
Mark Domino, P.E.	National Grid, USA – Alternate Member
Rick Brophy	NYSEG and RG&E - Member - Phone
Bruce Fardanesh	New York Power Authority- Member
Curt Dahl, P.E.	PSEG-LI– Member - Phone
Matt Schwall	Independent Power Producers of NY- Wholesale Sellers Sector– Member
Mike Mager	Couch White - Large Consumer Sector – 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
Phil Fedora	Northeast Power Coordinating Council, Inc.
Diane Burman	NYS Department of Public Service – Phone
Vijay Puran	NYS Department of Public Service
Rick Gonzales	New York Independent System Operator (NYISO)-Phone
Carl Patka	New York Independent System Operator (NYISO)
Zack Smith	New York Independent System Operator (NYISO)
Josh Boles	New York Independent System Operator (NYISO)
Wes Yeomans	New York Independent System Operator (NYISO)
Mike DeSocio	New York Independent System Operator (NYISO)
Cori Tackman	Power Advisors, LLC
Rich Bolbrock, P.E.	
Alan Michaels	New York Power Authority
Andrew Antinari	New York Power Authority
Mariann Wilczek	PSEG-LI-Phone
Erin Hogan	New York Department of State – Utility Intervention Unit

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\*” Denotes part-time participation in the meeting

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 242 to order at 9:30 a.m. on June 14, 2019. A quorum of 13 Members and Alternate Members of the NYSRC EC was established.
  - 1.1. **Identification of visitors** – The attendees on the phone and visitors were identified.
  - 1.2. **Requests for Additional Open Session Agenda Items** – R Clayton stated that he has one additional agenda item #10.3 to discuss the NPCC A10 Revision.
  - 1.3. **Request for Executive Session Agenda Items** – An executive session is scheduled to discuss possible future R&D projects and compensation for the upcoming year. No additional executive session items were requested.
  - 1.4. **Report on Executive Session meeting of May 10, 2019** – R. Clayton stated that in the previous EC Executive session there was discussion on compensation, R&D, and Rich Bolbrock was elected to fill the unaffiliated member position starting August 1, 2019.
  - 1.5. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts identified.
  
2. **Meeting Minutes/Action Items List – H Schrayshuen**
  - 2.1. **Approval of Minutes for Meeting No. 241 (May 2019) – Attachment #2.1 C.** Tackman presented on behalf of H. Schrayshuen and introduced the revised draft minutes of the May 10, 2019, meeting which included all comments received as of June 11, 2019. P Gioia requested one editorial change in section 5.1. M. Mager made a motion to approve the minutes of Meeting #241 including the suggested 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 #241 posted on the NYSRC website.
  - 2.2. **Review of Outstanding Action Items List – Attachment #2.2** – C. Tackman reported on behalf of H. Schrayshuen. C. Tackman reviewed and updated Attachment #2.2 based on the EC member comments.
  
3. **Organizational Issues**
  - 3.1. **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 May 2019, noting the end of month balance of \$189,199.50 which includes \$80,000 of prepayment from one member.
    - 3.1.2. **Third Quarter 2019 Call for Funds** - A. Adamson noted that taking into consideration the cash on hand and estimated expenses the 3<sup>rd</sup> quarter call for funds will be \$25,000 per TO.
  - 3.2. **Other Organizational Issues –**
    - 3.2.1. **Election of Officers** – P Gioia stated that he will send a letter to the unaffiliated members confirming their willingness to serve for an additional term. He will also send a letter the TOs to confirm their representatives and alternates. All responses will go to the EC Secretary before the July meeting on July 12, 2019. **(AI-242-1)**
  
4. **Installed Capacity Subcommittee (ICS) Status Report/Issues – H. Kosel, ICS Chair**
  - 4.1. **ICS Chair Report – Attachment #4.1** – H. Kosel reviewed attachment #4.1 –

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Summary of ICS meeting #220 on June 5, 2019. There was a presentation from the NYISO on SCR performance. The SCR performance declined slightly from the 2019 IRM. The NYISO will finalize the SCR MW values for the 2020 IRM after the July 2019 registration period. ICS is continuing to work on the Preliminary Assumptions Matrix and the 2020 IRM Sensitivities.

- 4.1.1. Hydro Quebec Wheel Modeling and Cedars Update** – H. Kosel stated the NYISO performed an analysis, modeling the HQ wheel (300 MW export from HQ to ISO-NE), combing the HQ and Cedars area into one bubble and the incremental 80 MW of EDRs from HQ. The HQ wheel produced a .6% increase to the IRM, combining HQ and Cedars increases the IRM-.1% and the incremental 80 MW of HQ EDRs lowers the IRM -.1%. The NYISO recommends and the ICS agrees to model the HQ wheel and combine Cedars and HQ for the 2020 IRM study. After discussion it was decided that this item did not require EC approval due to the upcoming preliminary Base Case assumption matrix approval scheduled for next meeting.
- 4.1.2. Policy 5 Revision – Attachment #4.1.2 – EC Approval Item** – H. Kosel presented Attachment #4.1.2 outlining the proposed Policy 5 changes. C. Wentlent made a motion to approve the Policy 5 revisions as presented. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance (13 - 0).
- 4.2. Other ICS Issues** – R. Clayton asked for confirmation that the Public Appeals numbers issue is a standing action item on the ICS open item action list to be reviewed annually. H. Kosel confirmed that the action item relative to public appeals is being carried forward. R. Clayton also stated he attended the NPCC Reliability Coordinating Committee (RCC) meeting and there was discussion on a long-term MARS based study looking at Loss of Load Hours out to 2024, and requested some discussion on whether this was something that ICS or the Reliability Council should be thinking of participating in as well. P. Fedora outlined the current status of the NPCC Long-Range Energy Security study. Results are planned to be presented to the NPCC RCC in December 2019. Z. Smith stated that the NYISO is providing input for the NPCC study. Z. Smith stated that the study sounds like it is comparable to the Transmission Security Study looking at extreme conditions and extreme contingencies but is then applied to the NPCC Long-Range Adequacy Overview study. The NYISO submits data for the Area Resource Adequacy review for NPCC annually which might be a useful tool to share with the NYSRC for its purposes. Z. Smith stated there is a rule to compare resource levels looking out three years and comparing those levels to the current IRM and LCRs but the Area Resource Adequacy report could possibly be a more relevant report and tool to use, since it is a forward looking LOLE analysis. W. Yeomans reminded the meeting participants about the upcoming 2024 Fuel and Energy Security Study due later this year. Z. Smith also stated the RNA looks at the future stability performance of the system. R. Clayton asked whether the NYSRC should take on a more forward looking study for resource adequacy. R. Bolbrock stated that in the past there was discussion modifying the ICS methodology to provide an indication of where the IRM is heading in the future. R. Clayton requested Z. Smith present a white paper to ICS to help identify the potential scope of the elements of a forward looking study. M. Younger suggested a hybrid report combining the New York State’s Renewable

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Plan and the Zones at Risk report. (AI-242-2)

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

- 5.1. RRS Status Report Discussion Issues – Attachment #5.1-** R. Clayton reported on attachment #5.1 providing a summary of RSS meeting #238 which took place on June 6, 2019. There are currently 3 PRRs under development. PRR 128 is tabled pending the NPCC A-10 revision completion which is now out for comment in the NPCC open process. For PRR 142B – B.2, RRS is monitoring the RAS/SPS definition development and is gathering information regarding N-1-1 SPS/RAS interactions in other control areas. 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. The study currently has a completion deadline of third quarter of 2019. There are no PRRs open for comment or final approval. There are currently two topics open for discussion. The first topic is that RRS will continue to monitor ICS activity concerning the impact of Energy Limited Resources (ELR) on NYCA reliability to determine if a rule is needed. The second topic concerns the TO Public Appeals estimates for the IRM calculation. ICS will review the public appeals numbers submitted by the TOs on an annual basis and the RRS has determined a rule is not needed at this time.
- 5.2. List of Potential Reliability Rule Changes – Attachment #5.2 –** R. Clayton stated that the table is up to date.
- 5.3. Other RRS Issues –** R. Clayton noted that RRS is monitoring DER activity at NYISO/TO, NPCC and NERC. There was discussion on the need for a rule on Sub-synchronous Resonance (SSR) considering the recent application of series capacitors in NYCA. R. Clayton stated that he looked at the NYISO's Tariff on Interconnection Study Requirements and did not see a reference to SSR. He did note however it is mentioned in the NYISO Transmission Expansion Interconnection Manual as a special study which would be completed per the request of the TO and at the time it is covered and a rule is not needed. C. Dahl noted that the NYISO stated that there is no requirement to perform an SSR Study and felt that leaving the request up to the TOs is not sufficient. Z. Smith stated that there are checks and balances in the current process and he feels that a SSR study would be done if needed. C. Dahl stated there are certain power delivery technologies where the analysis should be done and there are other technologies where it is not needed. Z. Smith stated the wording in the manual may be too soft and does not give an adequate portrayal of the current practice. RRS will start to develop language to firm up the wording for the NYSRC Reliability Rules and Compliance Manual. (RRS action item)

## **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 #232 on June 6, 2019. R. Clayton reported that RCMS found the NYISO in full compliance or Real Time Operations of the NYS BPS (C8: R1) for April 2019. RCMS also found the NYISO in full compliance for

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2019 -2021 NYCA Resource Adequacy Review, Go Generation Net Dependable Capacity Tests, and Go Generation Reactive Power Capacity Tests.

- 6.2. **2019 Reliability Compliance Program – Attachment #6.2** – R. Clayton stated that the scorecard is up to date.
- 6.3. **Other RCMS Issues** – There was an outstanding item from the NYISO’s 2018 Intermediate ATR report (B.2:R1), including editorial revisions and following NPCCs’ RCC approval. NPCC RCC approved the report hence the RCMS pending approval status is now complete.

## 7. NYISO Status Reports/Issues

- 7.1. **NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1** – Z. Smith reported on attachment #7.1. The Comprehensive Reliability Plan has been approved by the Operating Committee and Management Committee in May and will be brought to the Board of Directors for approval in July. Z. Smith noted that the CARIS will be starting with a presentation at an ESPWG meeting on June 25, 2019.

- 7.2. **NYISO Markets Report – M. DeSocio - Attachment #7.2** – M. DeSocio reviewed attachment #7.2. M DeSocio stated that with April’s approval of the DER market design rules the NYISO is now working on converting those rules into procedures and software for modeling. He also noted that an Energy Storage Model to accommodate new resources is under development with a projected completion date of summer 2020.

- 7.2.1. **Presentation Regarding NYISO Grid in Transition Report – Attachment #7.2.1** – M. DeSocio reviewed attachment #7.2.1 which summarized a study on the resources are needed to ensure grid reliability in the future. After the presentation there was a general discussion. P Gioia asked if there was plan to update the report on an annual basis. M DeSocio stated that the total report took 18 months to complete so annual updates have not been scheduled. He stated that there is information in the report that would be updated as needed. R. Gonzales noted that in the full draft report, attachment #7.2.2, there are 10 areas of possible reliability gaps, listed on page 19 of the document. R Clayton requested to have the NYISO provide a presentation to the RRS on these gaps. (AI-242-3)

- 7.2.2. **Draft – Reliability and Market Considerations for a Grid in Transition – Attachment #7.2.2**

- 7.3. **NYISO Monthly Operations Report – W. Yeomans - Attachment #7.3** – W. Yeomans presented Attachment #7.3. For the month of May there was a Peak Load of 20,524MW on May 20, 2019. There were 6.9 hours of Thunder Storm Alerts and 0 hours of NERC TLR level 3 curtailments.

- 7.3.1. **Presentation Regarding NYISO 2019 Summer Capacity Assessment – Attachment #7.3.1** – W Yeomans reviewed attachment #7.3.1 providing an overview of the summer assessment.

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

- 8.1. **Report on DER Activities – Attachment #8.1** – G. Smith discussed attachment #8.1 – The NERC SPIDER WG will meet at COMED in Chicago, October 8 and 9. NERC issued a draft titled “Improvements to Interconnection Requirements for BPS-Connected Inverter based resources”, which is intended to serve as an interim guideline until IEEE 28000 is completed. G. Smith attended the DER forum of the

NPCC Regional Standards Committee meeting on May 16, 2019. All presentations are on the NPCC website. The New York ITWG met on May 15, 2019. There was focus on the Appendix K which focuses on, Energy Storage Systems, Guidance Document changes, and Tariff modification. R. Clayton mentioned there is a Power Modeling Conference sponsored by NERC in June 2019. R. Clayton asked if anyone from the TOs were attending the event. M Sasson stated that ConEd was attending and would provide meeting materials and notes. (AI-242-4).

**8.2. Other DER Issues – None to report**

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

**9.1. Minutes of Meeting with NYSRC/DEC May 9, 2019 – Attachment #9.1 – C**

Wentlent reviewed attachment #9.1 stating that NYS DEC continues to draft regulatory documents committing to the RGGI changes. The NYISO will be presenting their carbon pricing plan on June 20, 2019. The next meeting with the NYS DEC is scheduled July 25, 2019.

**9.2. NYSRC Filing in Support of NYISO comments on Peaker NOx proposed rule – Attachment #9.2 - R. Clayton brought attachment #9.2 to the EC’s attention stating the comments that were filed in support of the proposed Peaker rule. C. Patka confirmed that the NYISO also submitted comments which are posted on the NYISO website.**

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

**10.1. NERC Standard Tracking – A. Adamson – Attachment #10.1 – A Adamson stated that balloting for CIP-002-6 begins on July 8, 2019. He has sent an email requesting opinions.**

**10.2. NYSRC Guidelines on NERC Standard Balloting (Revision) – Attachment #9.2 – A. Adamson stated that at times he has been asked by an EC member to be a proxy for NERC Standards Balloting and suggested to revise the guidelines to include language for that situation. B. Ellsworth made a motion to accept the revision as written. The motion was seconded by M. Mager and was unanimously approved by the EC members in attendance (13 - 0). A. Adamson will have the revised guideline posted to the NYSRC website.**

**10.3. NPCC A10 Revision - M. Sasson – Attachment #10.3 – M. Sasson discussed attachment #10.3. Z. Smith stated that the new wording and definition of the term “Area” is consistent with how the NYISO has interpreted in the past. Z Smith also stated that they NYISO is concerned about how labor intensive some tests are and the reporting requirements but are in agreement with the technical aspect of the proposed revisions. Comment period for the proposed A-10 revision closes on July 1, 2019.**

**11. Reliability Initiative – G. Smith, G. Loehr –**

**11.1. Report on the status of the MDMS2 Project - Attachment #11.1 –G. Smith reviewed attachment #11.1. G. Smith stated the project is completed. The final face to face meeting was held at the NYISO on May 23, 2019. A presentation will be provided at the July 12, 2019 NYSRC EC meeting.**

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

**12.1. NPCC Report – P. Fedora stated that the NPCC Reliability Coordinating Committee met on May 29, 2019. The meeting included the approval of the 2018 New York**

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Intermediate Transmission Review, NPCC 2019 Corporate Goal presentations 1 regarding the Long-Range Energy Security study, the formation of a NPCC Physical Security Working Group and report on the progress made by registered entities to reduce their protection system misoperations. Randy Crissman, Chair of the NPCC Reliability Coordinating Committee, reported on NERC activities addressing electromagnetic pulse reliability concerns. An Electromagnetic Pulse Working Group has been established by the Electricity Subsector Coordinating Council as a response to the executive order on EMP; NERC is launching an Electromagnetic Pulse Task Force. The NPCC Board of Directors had a teleconference on June 6, 2019. The NPCC Spring Standards and Compliance Workshop, the NPCC DER Forum; and a revised draft of the NPCC 2020 Business Plan and Budget was discussed. The NPCC Board of Directors will meet June 26, 2019 to approve the NPCC 2020 Business Plan and Budget.

**12.2. NERC Report** – P. Fedora stated that the NERC Planning Committee met on June 4 - 5, 2019. Brian Evans Mongeon was reelected as Chair and Joe Sowell was elected the Vice Chair. The Planning Committee approved the NERC Electric Gas Working Group scope. Reviewers were selected to provide comments on a draft Standard Authorization Request for revisions to MOD-032-1 addressing Distributed Energy Resources modeling data. There was discussion on the ERO Stakeholder Engagement Team that is looking for a more effective and efficient NERC technical committee structure. Recommendations will be discussed at the August NERC Board of Trustees meeting. The NERC 2019 State of Reliability Report was approved on June 13, 2017 and is planned to be released June 17, 2019.

**13. NAESB Activities – B. Ellsworth** – B. Ellsworth stated that the NAESB Revenue Committee, Parliamentary Committees and Critical Infrastructure are all working on various tasks.

**14. Visitor Comments** – R. Clayton stated there will be a dinner for George Loehr on July 11, 2019 at Wolferts Roost. If you are interested in attending please RSVP to Roger Clayton.

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

The Executive Committee Meeting #242 was adjourned at 1:46 PM

**16. Future Meeting Schedule**

<b>Meeting</b>	<b>Date</b>	<b>Location</b>	<b>Time</b>
#243	July 12, 2019	Wolferts Roost Country Club 120 Van Rensselaer Blvd. Albany, NY 12204	9:30 AM