

**Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 244**  
**August 9, 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
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 – Alternate Member
Rick Brophy	NYSEG and RG&E – Member - Phone
Bruce Fardanesh	New York Power Authority- Member
Curt Dahl, P.E.	PSEG-LI– 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
Andrey Oks	Northeast Power Coordinating Council, Inc.
Commissioner Burman	NYS Department of Public Service
Leka Gjonaj	NYS Department of Public Service
Rich Dewey	New York Independent System Operator
Carl Patka	New York Independent System Operator
Rob Pike	New York Independent System Operator - Phone *
Zach Smith	New York Independent System Operator
Josh Boles	New York Independent System Operator
Wes Yeomans	New York Independent System Operator *
Schuyler Matteson	NYSERDA*
Sue Gold	NYSERDA*
Dan Taft	Consolidated Edison Co of NY, Inc
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Cori Tackman	Power Advisors, LLC
Gerry Cauley	Siemens
MaryAnn Wilczek	PSEG-LI
Jim D’Andrea	LS Power Development, LLC
Henry Chao	Quanta Technology

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

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 244 to order at 9:30 a.m. on August 9, 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. R. Dewey, CEO of the NYISO, introduced himself. He highlighted the close and important relationship between the New York State Reliability Council and the NYISO.
  - 1.2. **Requests for Additional Open Session Agenda Items** – R. Clayton stated there is one change to the agenda, with agenda item #4.3 added to address the PSC Order Instituting a Proceeding and Soliciting Comments on Resource Adequacy Matters - Case 19-E-0530 issued on August 8, 2019.
  - 1.3. **Request for Executive Session Agenda Items** – An executive session is scheduled to continue discussions on NYSERDA Program Opportunity Notice – “Electric Power Transmission & Distribution High Performing Grid”, Climate Action Council, and there will be a presentation from Consolidated Edison. No additional executive session items were requested.
  - 1.4. **Report on Executive Committee meeting of July 12, 2019** – R. Clayton stated that in the previous EC Executive Session there was discussion on the NYSERDA Program Opportunity Notice #4070 and that discussion is ongoing.
  - 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. 243 (July 2019) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the July 12, 2019 meeting, which included all comments received as of August 2, 2019. P Gioia made the following changes, under section 3.1.3 to add language that the EC unanimously approved the 2020 Funding Mechanism and the 2020 Budget is approved as a single agenda item. Under section 3.2.2 add wording to state the NYISO does not currently post Unaffiliated Member Opening on their website but does distribute the notices to the Technical Information Exchange list, and made some editorial changes to section 9.1. B. Ellsworth made a motion to approve the minutes of Meeting #243 including the suggested 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 #243 posted on the NYSRC website.
- 2.2. **Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen 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 July 2019, noting the end of month balance of \$193,650.82 which includes a \$55,000.00 prepayment. A. Adamson noted that he will be unavailable for a few weeks starting August 19, 2019 and that in his absence B. Ellsworth will be authorized to sign checks.

### 3.2. Other Organizational Issues –

- 3.2.1. **2020 Schedule – Attachment #3.2.1 – A. Adamson** – A Adamson reviewed attachment #3.2.1 – showing the previously approved Executive Committee meeting schedule and adding the

schedules for the ICS, RSS and RCMS meetings. The ICS meeting location has been confirmed with the NYISO. It was noted that the February EC meeting would be a conference call consistent with prior years practice. A. Adamson will post the meeting schedule on the NYSRC website.

#### **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 – Summary of ICS meeting #222 on August 9, 2019. H. Kosel stated the NYISO has completed some parametric study cases and will be looking to finish the remaining cases before the September EC meeting. The NYISO also presented the final SCR Values for the 2020 IRM analysis. There is a 27 MW reduction in SCRs from the 2019 IRM analysis. The NYISO also presented the Load Forecast Uncertainty (LFU) Model for 2020 IRM analysis. The Load Forecast Uncertainty (LFU) was approved by the NYISO Load Forecasting Task Force (LFTF) on July 16, 2019. The LFU was updated with 2018 data, and it was noted that the distribution widens and the LFU increases relative to past results.

**4.2. 2020 IRM Study – Sensitivity Cases - Attachment #4.2 – EC Approval Item** – H. Kosel discussed attachment #4.2 stating that cases 1-5 are the historically sensitivity cases. Cases 6-11 are more specific for the current year. R. Bolbrock suggested that Public Appeals impact on load should be run as sensitivity case. M. Mager suggested that load reduction due to public appeals should be tracked better by all TOs and it would be helpful to know if there is a response to a public appeal. Z. Smith stated that he would take that suggestion back to the NYISO to see if there is a way to determine the magnitude of the impact of public appeals on the system. (AI-244-1).

H. Kosel stated that there is going to be another whitepaper analysis that is not on the list of sensitivities. The NYISO is going to perform an analysis that takes into account high renewable penetration. For this analysis 4,000 MW of offshore wind, 4,000 MW of onshore wind and 4,000 MW of solar separately, and then the 12,000 MW as a whole will be prepared. It was confirmed there will be a TAN 45 IRM determination performed on the 12,000 MW scenario. The reasons for doing this as a whitepaper and not including it in the regular sensitivity list is timing and relevance. It was explained that the 11 sensitivities are important for the base case development, since the current grid will not see an additional 12,000 MW in renewable sources in 2020-2021 capability period, the information that the analysis provided will not be a factor in setting the 2020-2021 IRM. J. Boles confirmed that at a minimum there will be a TAN 45 on the full combined case for the total 12,000MW. C. Dahl asked that the scope of this study be circulated to the group for input when it is developed. (AI-244-2).

M. Sasson moved to approve the proposed sensitivity case list numbers 1-11 as outlined in attachment #4.2. The motion was seconded by R. Bolbrock and unanimously approved by the EC members in attendance (13 - 0).

#### **4.3. Other ICS Issues – Discussion of PSC Resource Adequacy Order-Case #19-E-0530**

R. Clayton read the stated objective of the order:

*“The primary goal of the new proceeding is to consider whether capacity products are likely long-term effective solutions for the State’s resource adequacy*

*needs given the likely future generating resource mix.”*

R. Clayton stated that the PSC is looking for comments on seven questions and public comments are due November 8, 2019.

R Clayton opened the floor to comments: Commissioner Berman stated that the order speaks for itself. She encouraged the members of the EC to watch the recorded video of the briefing on the PSC order if they have not yet done so. She noted, as she did in the prior EC meeting, that the NYISO will have a difficult job ahead of it. H. Schrayshuen will distribute the link to the PSC open session video recording. (AI-244-3).

P Gioia stated that he sees this matter as a potential jurisdictional conflict between the PSC and FERC with the NYISO in the middle. P. Gioia stated the NYSRC role is not adequately described in the order and the NYSRC will have to explain the inaccuracies. P. Gioia stated it does not matter what form the generating resources come from as long as the NYISO continues to do an objective job quantifying the capacity value of the generating resources and ultimately that resource adequacy is not compromised.

C. Wentlent mentioned this order echoes the Climate Action Plan and that the stakeholder groups will be quite diverse and it is his opinion that the case needs to be monitored.

R. Dewey stated that some of the aspects of the current design of the capacity market have to evolve as the generating resources evolve. R. Dewey suggested that the NYSRC not limit a response to the 7 questions but to take the opportunity to describe the roles and duties that the NYSRC has.

M Sasson reminded everyone that coordination between the NYISO and the NYSRC is important and that the NYSRC bases some of its rules on NPCC Criteria including resource adequacy.

R Clayton suggested the formation of a Working Group to address the order. The proposed group will consist of R. Clayton, H. Kosel (as ICS Chair), C. Dahl, P. Gioia and A. Adamson. P. Gioia proposed that he prepare an outline of the basic points that should be made in the NYSRC response, again stressing that the NYSRC should explain their function and their relationship to other entities. It would be presented to the EC for comments. R. Clayton stated this order should be a standard agenda item.

C. Dahl mentioned an article that was distributed by the EC Secretary describing a several days outage due to lack of sun after the loss of a fuel-based plant on the island of Kauai. M. Younger stated that he reviewed the operations data NYISO provides for each month and he identified that in the past year there were a number of consecutive days where the wind capacity factor was less than 5%. In his opinion these stretches of low capacity factor combined with stretches of cloudy days could become the main source of a resource adequacy shortfall (LOLE) event in the future.

## **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 RRS meeting #240, which took place on August 1, 2019. There are currently 3 PRRs under development. PRR 128 is tabled pending the NPCC A-10 revision completion. A. Oks stated that the A-10 revision comments closed on July 1, 2019. Currently the NPCC Task Force of Coordinated Planning is responding to the 45 submitted comments. The A-10 revision will go through at least one more open posting process before moving forward. For PRR 142B – B.2, RRS is monitoring NPCC RAS/SPS activity and RRS is reaching out to parties to gather field experience on N-1-1. 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. W. Yeomans stated the study is still continuing and an update will be given to RRS when completed. There are no PRRs open for comment or final approval. There are currently three topics open for discussion. R. Clayton stated there is continuing discussion on the need for reliability rule or NYISO Manual revision to cover “Special Studies” for generator or energy storage unit interconnections. R. Clayton will work with Z. Smith to get input and develop some guidance on when the studies should be required. RRS also discussed a guideline referring to Inverter Based Resources/Distributed Energy Resources. R. Clayton stated that NPCC is developing a guideline on the topic. The purpose for a guideline and not a rule is that there are many actively moving parts with IEEE, NERC and NPCC all developing new information as more knowledge and experience is gained.

**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 stated that on 8/6/2019 there was a meeting to discuss reliability implications of “NYS Climate Leadership and Community Protection Act.” The NYISO currently performs a 3-year look ahead to recognize reliability needs. There was discussion regarding the feasibility of a 10-year look ahead with the one in ten criteria for LOLE. If a resource need is recognized, the NYISO would seek compensatory capacity through the markets. Z. Smith stated that the NYISO agrees with performing a multi-year IRM look ahead and would be a more useful tool.

**5.3.1. Presentation on DPS-NYSERDA Storage Assessment – Attachment #5.3.1 S Matteson (NYSERDA)** – S. Matteson gave a presentation on the recent study to determine whether battery storage could be an effective replacement for peaking generation downstate. C. Dahl mentioned that installing batteries to replace the capacity loss due to the Peaker Rules might not be feasible due economic constraints.

## **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 #234 on August 1, 2019. R. Clayton reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8: R1) for June 2019. RCMS also found the NYISO in full compliance for Annual Statewide Voltage Tests (D.1:R10), Con Ed Operating Procedures and Reserves (G.1:R7) Con Ed Loss of Gas Supply Procedures and Actions (G2:R2), Generator Owner Procedures for Testing Dual Fuel Capability of Minimum Oil Burn Combined Cycle Units (G.2:R5), and Load Forecasting (I.3:R2).

**6.2. 2019 Reliability Compliance Program – Attachment #6.2** – R. Clayton stated that

the scorecard is up to date.

**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 reviewed attachment #7.1. Z Smith stated that the Comprehensive Reliability Plan (CRP) report was approved by the NYISO Board of Directors in July 2019 and reiterated the RNA’s conclusions that there are no Reliability Needs. Z Smith also stated there are is further discussion to develop scenarios for the CARIS process. There will be a scenario to include the 70% renewable target by 2030.
- 7.2. NYISO Markets Report – R. Pike - Attachment #7.2 –** R. Pike reviewed attachment #7.2. R Pike stated the NYISO has filed and received approval from FERC for revisions to requirements for external capacity suppliers responding to a supplemental resource evaluation and that the NYISO is continuing efforts to define expectations for external resource deliverability and eligibility obligations.
- 7.3. NYISO Monthly Operations Report – W. Yeomans - Attachment #7.3 –** W. Yeomans presented Attachment #7.3. For the month of July there was a Peak Load of 30,397 MW on July 20, 2019. There were 25 hours of Thunder Storm Alerts and 3 hours of NERC TLR level 3 curtailment. W. Yeomans stated that the NYISO will distribute the full Operations Report when it is available.

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

- 8.1. Report on DER Activities – Attachment #8.1 –** G. Smith discussed attachment #8.1 – G. Smith reported the NERC SPIDER Group met on July 25 -26. There was discussion on the MOD 032-1-SAR (Standard Authorization Request) due to some entities encountering data collection difficulty. Regardless, the group is moving forward with the SAR. There is a data collection guideline to provide guidance on what information needs to be collected for DER models as well as a modeling survey to get an idea of what is being modeled. NERC SPIDER is looking for comments on a guideline discussion dispatching DER off of Pmax. Comments are due August 16, 2019. There was a presentation from Ontario Hydro where it was noted that due to a fault at Darlington Generating station a large amount of DER was also lost. A solution to this was changing the settings on the larger DER units which will mitigate the impact of disturbances in the future. This change occurred at 67% of the installed DER base in operation.

At the NPCC DER subgroup meeting on August 8 there was a presentation from Duke Energy, noting that they have communication with 97% of the DER. H. Schrayshuen noted that Duke is vertically integrated and they have tight coordination between generation and distribution. This type of coordination might be difficult to achieve for the NYCA. R. Clayton also stated Duke is running out of feeders without DER to use for Under Frequency Load Shedding (UFLS) and is moving toward dynamic UFLS.

The New York Interconnection Technical Working Group (ITWG) meeting is scheduled for August 28, 2019 at NYSERDA.

- 8.2. Other DER Issues –.** No other issues

**9. Environmental Status Report/Issues – C. Wentlent – Attachment #9.1 –** C. Wentlent stated that the NYSRC/DEC call took place on July 25, 2019. There was discussion on the

Climate Leadership and Community Protection Act legislation. There was also discussion that the PSC Energy Storage Study was limited in scope and more work would have to be done. The next meeting with the NY DEC is September 19, 2019 and C. Wentlent will be reaching out with NYSERDA to join these meetings.

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

**10.1. NERC Standard Tracking – A. Adamson – Attachment #10.1** – A. Adamson stated he sent out the email requesting responses from the RRS and EC on TPL-007-4, and that voting will take place the first week of September.

**11. Reliability Initiative – G. Smith** – G. Smith stated that he has reviewed the final report and is waiting for comments from the TOs. There will be a non CEII summary report at a later date.

**12. State/NPCC/Federal Activities – A. Oks**

**12.1. NPCC Report** – A. Oks reported that the NPCC Board of Directors met August 7, 2019. The Board received a summary of the 2019 NPCC summer Area reliability, a presentation regarding the Con Edison July 13, 2019 outage, discussion of NERC Board of Trustees policy input, and discussion of topics for consideration for the September 4, 2019 Board Strategy Session.

NPCC Task Force on Coordination of Planning is meeting August 13-14, 2019 to discuss the revised A-10 draft for a 2<sup>nd</sup> NPCC Open Process review, and in a joint session with the NPCC Task Force on Coordination of Operation, a review of NPCC Directory No. 1 assessment, status of the SPS to RAS transition, and development of scenarios for the NPCC Long-Range Energy Security evaluation.

**12.2. NERC Report** – A. Oks reported the NERC Member Representatives Committee is meeting on August 14, 2019. Discussion items include responses to the NERC Board of Trustees' request for policy input (regarding the proposal for restructuring the NERC Technical Committees), and the status of the Standards Efficiency Review. The NERC Board of Trustees is meeting on August 15, 2019 to consider approval of the Supply Chain Section 1600 Rules of Procedure Data Request, , BAL-002-WECC-3 – Contingency Reserve, and review of the received policy input. Adoption of PRC-006-NPCC-2 – Automatic Underfrequency Load Shedding had been pulled from the BOT agenda due to an errata change which required NPCC Board approval before proceeding to the NERC BoT.

**13. NAESB Activities – B. Ellsworth** – B. Ellsworth stated that the NAESB participant Critical Infrastructure Committee met and is currently working on the data from Sandia. There is a Management Committee is meeting August 18-19 to prepare for the NAESB Board Meeting which is on September 4-5, 2019.

**14. Visitor Comments** – None

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

The Executive Committee Meeting #244 was adjourned at 12:05pm.

## 16. Future Meeting Schedule

<b>Meeting</b>	<b>Date</b>	<b>Location</b>	<b>Time</b>
#245	September 13, 2019	Wolferts Roost Country Club 120 Van Rensselaer Blvd. Albany, NY 12204	9:30 AM