

**Draft Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 232**  
**August 10, 2018**  
**Albany Country Club**  
**300 Wormer Road, Voorheesville, NY 12186**

**Members and Alternates**

**In Attendance:**

|                         |   |
|-------------------------|---|
| Roger Clayton, P.E.     | Unaffiliated Member – EC Chair, RRS Chair, RCMS Chair             |
| <del>Howard Kosel</del> | <del>Consolidated Edison Co. of NY, Inc. – Alternate Member</del> |
| George Loehr            | Unaffiliated Member   |
| George Smith, P.E.      | Unaffiliated Member   |
| Bruce Ellsworth, P.E.   | Unaffiliated Member   |
| Erin Doane              | Central Hudson Gas & Electric – Member                            |
| <del>Curt Dahl</del>    | <del>PSEGLI – Member</del>  |
| <del>Howard Kosel</del> | <del>Consolidated Edison Co. of NY, Inc. – Proxy – Phone</del>    |
| Tim Lynch               | NYSEG and RG&E – Member   |
| Bart Franey             | National Grid, USA – Member – Phone                               |
| Xia Jiang               | New York Power Authority – Member - Proxy – Phone                 |
| <del>Curt Dahl</del>    | <del>PSEGLI – Member- Phone</del>                                 |
| Mike Mager              | Large Consumer – Member   |
| Matt Schwall            | Wholesale Seller – Member   |
| Mark Younger            | Wholesale Seller – Alternate Member                               |
| Chris Wentlent          | Municipal & Electric Cooperative Sector – Member – Phone          |

**Other Attendees:**

|                  |  |
|------------------|--|
| Paul Gioia, Esq. | Whiteman, Osterman & Hanna, LLP – NYSRC Counsel        |
| Al Adamson       | NYSRC Treasurer and Consultant                         |
| Mariann Wilczek  | PSEGLI – ICS Chair & EC Proxy for PSEGLI               |
| Leka Gjonaj      | NYS Department of Public Service                       |
| Carl Patka       | New York Independent System Operator (NYISO)           |
| Emilie Nelson    | New York Independent System Operator (NYISO)           |
| Wes Yeomans      | New York Independent System Operator (NYISO)           |
| Josh Boles       | New York Independent System Operator (NYISO) - Phone   |
| Zack Smith       | New York Independent System Operator (NYISO)           |
| Chris Hall       | New York State Energy Research and Development – Phone |
| Rana Mukerji     | New York Independent System Operator (NYISO)           |
| Herb Schrayshuen | NYSRC EC Secretary                                     |
| Erin Hogan       | Utility Intervention Unit - Department of State        |
| Jim D'Andre      | Helix Ravenswood – Phone                               |

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

**1. Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 232 to order at 9:30 a.m. on August 10, 2018. A quorum of 13 Members and Alternate Members of the NYSRC EC was established.

- 1.1. **Visitors** – The attendees on the phone and visitors were identified.
- 1.2. **Requests for Additional Agenda Items** – R. Clayton asked for one additional agenda item, #3.2.2 – 2019 NYSRC EC Schedule.
- 1.3. **Prior Executive Session Topics** – There was one topic discussed in the prior Executive Session. R. Clayton reported that there was discussion and approval of the compensation guidelines for 2018-2019.
- 1.4. **Request for Executive Session Agenda Items** - There were no requests for an Executive Session.
- 1.5. **Declarations of Potential “Conflict of Interest”** – There were no declarations of potential conflicts of interest reported by the unaffiliated EC members. R. Clayton ~~mentioned~~~~did mention~~ that he was asked to be an advisor by NYSERDA on a previous study looking at T&D reliability in New York. R. Clayton asked the EC members if they saw any conflict of interest with his participation. There were no objections to R. Clayton advising NYSERDA.

## 2. Meeting Minutes/Action Items List

- 2.1. **Approval of Minutes for Meeting No. 231 (July 13, 2018)** – H. Schrayshuen introduced the revised draft minutes of the July 13, 2018 EC Meeting (Attachment #2.1) which included all comments received prior to the due date for comments. There were no additional changes to the minutes. B. Ellsworth made a motion to approve the minutes of Meeting #231. The motion was seconded by G. Smith and unanimously approved by the EC members in attendance (13 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #231 posted on the NYSRC website.
- 2.2. **Review of Outstanding Action Items List** – H. Schrayshuen presented the Action Item List – Attachment #2.2. AI #231-1 and AI #231-2 were completed in the current meeting. AI #231-3 ~~and 2 was completed.~~ AI #231-4 ~~3~~ remained open.

## 3. Organizational Issues

### 3.1. Summary of Receipts & Disbursements

- 3.1.1. **Statement of Cash Receipts and disbursements** – A. Adamson presented Attachment #3.1.1 - Statement of Cash Receipts and Disbursements for July 2018, noting the end of month balance of \$202,141.01. A. Adamson also stated he was going to check on the Meeting Fees number which seemed to be in error. R. Clayton reminded everyone to please copy C. Campoli when submitting invoices. There were no additional questions or comments on the report.
- 3.1.2. **Funding Mechanism** -- Attachment #3.1.2 – A. Adamson reviewed Attachment #3.1.2. G. Loehr made a motion to approve the proposed ~~F~~Funding mechanism. The motion was seconded by G. Smith and unanimously approved by the EC members in attendance (13 - 0).

### 3.2. Other Organization issues

- 3.2.1. **Review of Satisfaction surveys regarding Colonie Country Club Meeting** – H. Schrayshuen reviewed the survey results. After a brief of discussion, it was decided that there is no need to change venues, and H. Schrayshuen was asked to look into some hotels in the area that could serve as a backup location. (AI #232-1)
- 3.2.2. **2019 NYSRC EC Schedule** – G. Loehr – One change was made to the proposed schedule. The Proposed November 8, 2019 meeting was changed to November 7 in honor of Veteran’s Day. After some discussion it was decided that the schedule would stay as changed. A. Adamson will develop the sub-committee and master schedule for review at the next EC meeting. (AI #232-2)

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

4.1. **ICS Chair Report** – Attachment #4.1 – M. Wilczek reviewed Attachment #4.1 – M. Wilczek briefed the EC on the Parametric Study. There is a scheduled ICS call on August 21, 2018 to discuss the remaining parametric results. There was a discussion regarding whether to use NYCA or New York Balancing Authority (NYBA) as the platform for the LOLE calculation. GE and the NYISO recommended that NYBA be used to identify the locations for measuring resource adequacy. The ICS recommends that NYBA be used as the platform for the LOLE determination. The discussion will be noted in the Final IRM report.

There was a discussion regarding CPV Valley Energy Facility air emissions permit status. E. Nelson reported that on August 1, CPV received a letter from the NYS DEC stating that the Air State Facility Permit Renewal could not be implemented due to an incomplete application and that project has not either applied for or received a permit under Title 5 of the Clean Air Act. The current permit expired on July 31, 2018 and the DEC informed CPV that the facility could not operate. The NYISO is currently working through all the information determine on how this would impact operations. The NYISO did recommend to the EC to add a “CPV out of service” scenario to the IRM sensitivities list.

M. Wilczek reviewed the IRM Sensitivity Case List in Attachment #4.1. Currently Sensitivity 8, Removing B and C lines from Service involves an additional request to run a Tan 45 analysis as well as the sStandard parametric sSensitivity analysis. Per the discussion on CPV Valley, the EC decided to add an extra sensitivity on CPV Valley due to current permit status. The EC discussed having a have a Tan 45 analysis performed on this case also. NYISO stated that as long as resources are available to run a Tan 45 this could be done; if resources were not available then the NYISO will communicate with ICS. M. Younger suggested if resources were available and there was an additional need to choose either sensitivity 8 or 12 for the Tan 45 study that they decision be made by the ICS after that sStandard parametric sSensitivity was completed to see which one could have more impact to the system. G. Smith made a motion to approve the Sensitivity list with the addition of CPV. The motion was second by B. Ellsworth and unanimously approved by the EC members in attendance (13-0).

#### 4.2. Other ICS Issues – None to report

#### 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 the status of the RRS activity and the status report. There is currently one+ PRR under development but on hold. PRR 128 is being held until the completion of the NPCC A10 Project. There are no PRRS open for comment or up for approval. There was one topic up for discussion, “Inverter Technology Providing Reserves”. With the FERC approval of the NYISO tariff change on May 30, 2018. The RRS discussed whether any NYSRC Rules and Compliance Manual changes were needed. The RRS recommended that there is no need to change any wording of NYSRC rule E.1 (R3.1) or associated Glossary terms. The rationale was that if calling you called out the term “Inverter Based<sup>2</sup>” raises the issue of what other technologies would have to be defined. In this case the current generic wording was concluded by the RRS to be the best approach.

RRS also discussed whether the RR&CM Application List on the NYISO website should be classified as CEII. RRS sent a request to the NYISO to advise and is currently waiting to hear back.

- 5.2. **New/Revised Reliability Rules Outstanding** – Attachment #5.2 – R. Clayton reported that there are no updates to the report. R. Clayton stated he made a request to the TOs to take the opportunity to make PRR applications or suggestions whether minor or major they would be considered.
- 5.3 **Other RRS Issues** – There was discussion of the DER Workshop, which are detailed in agenda item 7.
6. **Reliability Compliance Monitoring Subcommittee (RCMS) Status Report** –R. Clayton, RCMS Chair
- 6.1. **2018 Reliability Compliance Program** – Attachment #6.1 - R. Clayton reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8; R1) for June 2018. RCMS also found the NYISO in full compliance with the Annual statewide voltage reduction tests (D.1:R10), Generating unit outage statistics (I.2:R3), SCR performance reporting (I.2:R4), RIP SCR performance data reporting (I.2:R5) and Annual actual and forecast load data (I.3:R2) requirements.
- 6.2. **RCMS Status Report** –Attachment #6.2 – Scorecard is up to date – no additional comments were made
- 6.3. **Other RCMS Issues** - RCMS tabled action on NYISO’s compliance certification statement regarding its LCR economic optimization methodology pending FERC’s tariff change determination. R Clayton mentioned that this methodology had a timeline. The LCR study is scheduled to start on October 9, 2018 and has to be completed by Feb 15, 2019. It is RCMS’s conclusion that if this matter not resolved before October, then the economic optimization method would not be applied for the upcoming year. RCMS asked for clarification from the NYISO. E. Nelson stated that the NYISO has stressed to FERC that they need to have a decision by October 8<sup>th</sup>, 2018. This topic will be discussed in more detail as that due date gets closer or a FERC decision is rendered.
7. **Distributed Energy Resources (DER)** – R. Clayton
- 7.1. **DER Workshop Plans** – The DER Workshop Agenda is progressing and is very full. The tentative schedule is for the full day workshop starting at 10am-12pm, lunch until 1pm, resuming from 1pm-3pm.
- 7.2. **Other DER Issues** – G. Smith – gave a presentation titled NERC Industry Recommendation Regarding Inverter Based Generation Connected to the BPS. Presentation slides are posted with the NYSRC meeting material under Agenda Item #7.2.
8. **Environmental Status Report/Issues** – **C. Wentlent** – C. Wentlent reported that the next NYS DEC call is August 16, 2018 at 9am. The ~~call's~~ agenda has been sent out. P. Gioia asked C. Wentlent to add the CPV permit status ~~to~~ on the agenda. C. Wentlent stated that he has mentioned that the NYSRC EC has discussed CPV, and asked the DEC to provide any insight that they might have. C. Wentlent will update EC with any new information. **(AI-232-3)**. NYSERDA has posted a schedule for a number of listening sessions on Electric Vehicles. The Governor’s office announced that New York power agencies and partners will conduct a study of successful offshore wind transmission models with a specific focus on largescale European projects to determine how key learnings can guide New York wind development. a study will be done to guide cost-effectiveness of off-shore wind. In addition, NYSERDA announced they will conduct public sessions on off-shore wind on September 26 and 27. NYS DPS and NYSE ~~RDDRA~~ have been hosting technical conferences on Energy Storage. The purpose of the conferences has been to discuss a white paper on Energy Storage- which ultimately will result in a public comment period and future order from the NYPSC.
9. **NERC/NPCC Standards Tracking** – **A. Adamson** - Attachment #9.1. A. Adamson reviewed Attachment #9.1. NYSRC voted yes on Modifications to CIP-012-1, Modifications to BAL-0002-3, and Revisions to the NERC Standards Process Manual.

**10. Reliability Initiative – G. Smith, G. Loehr** – Attachment #10.1 - G. Smith mentioned attachment #10.1. He noted MDMS1 simulations are being ported over to Quanta’s computing system to confirm results from ~~EnertNex~~~~nterNex~~. The MDMS Working Group discussed the MDMS2 contingency list. G. Smith did reach out to NPCC and they forwarded a list of PJ&M contingencies and ISO-New England contingencies that impact the NY system. –

**11. State/NPCC/Federal Activities – H Schrayshuen for P. Fedora**

- 11.1. NPCC Report** – H. Schrayshuen stated that the NPCC Board met on August 8th to discuss the NPCC Policy Input for the August 2018 NERC MRC/BOT meetings and Area updates regarding 2018 summer operations. The policy input will be distributed by H. Schrayshuen (**AI-232-4**). The NERC MRC meeting is August 15th. The agenda consists of discussions on, the policy input received; the status of the RISC Resilience Framework and NERC Enterprise Risk Assessment; the plan to address the recommendations from the 2017 NERC reliability assessments, and the Western Interconnection Gas – Electric Interface Study. NERC BOT meeting is scheduled for August 16th.
- 11.2. NPCC Board of Directors Report** – nothing further to report.

**12. NYISO Status Reports/Issues**

**12.1. NYISO Comprehensive System Planning Process** – Z. Smith - Attachment #12.1  
Z. Smith reviewed the highlights of attachment #12.1. RNA is underway, with a draft report ~~was~~ presented to a stakeholder working group. The NYISO finds no resource adequacy needs for the ten-year period. There was ~~one~~ transmission security concern on Long Island. ~~S and~~ subsequent to this finding PSEG LI presented an update that addressed the security need. A deactivation study was done for the Pilgrim facility on Long Island. The study identified two reliability needs on the LIPA 69kV system for 83MW ~~raising~~ to 88 MW in 2023. The NYISO sent out a solicitation for solutions on July 9<sup>th</sup> responses are due on September 7, 2018. Z. Smith stated that the NYISO will favor market-based solutions but if none are presented, NYISO will look to implement a at permanent solution from the transmission owner. If the permanent solution cannot be placed into service in time, the NYISO may also enter a Reliability Must Run (RMR) Agreement on a temporary basis. NYISO presented preliminary assumptions for the CARIS 2 process to the ESPWG. ~~As of~~ the time of the EC meeting there are no requests for specific transmission projects in the CARIS 2 process. NYISO has executed a Development Agreement with NextEra for its Empire State Line Proposal 1. The NYISO Board is currently considering recommendations made by NYISO staff and ~~considered~~ comments from ~~developers~~~~participants~~, for the AC Transmission Public Policy Transmission Need. On August 1, 2018 the NYISO initiated the 2018-2019 Public Policy Transmission Planning Process cycle, by soliciting for proposed transmission needs driven by Public Policy Requirements, which will be due in 60 days. P. Gioia asked about clarification on the revisions to the Reliability Planning Process Manual. C. Patka stated the revisions were done and were posted on the NYISO website. The revisions were references to the approved Generator Deactivation Process, cleanup of references to the Gap AP Solutions Process, an update to the NYISO project mMonitoring process and a few updates ~~were made~~ to the reliability bBased cCase cConclusion rules.Rule.

**12.2. NYISO Markets**– R. Mukerji - Attachment #12.2  
R. Mukerji reviewed the highlights of attachment #12.2. R. Mukerji stated the NYISO has filed the response to the FERC deficiency letter on the LCR methodology. FERC has 60 days to reply. In response to the Clean Energy Standard requiring future generation reliability needs to be comprised of 50% renewable generation by 2030~~the~~, the NYISO published a Master Plan, on its website, R. Mukerji

will send link to H. Schrayshuen to distribute the Master Plan- (AI-232-56). The Master Plan is a five year look at what needs to reforms need to occur within the market. Some initiatives going into 2019 include: Reserve Procurement for Resilience, More Granular Operating Reserves, Ancillary Shortage Pricing, Tailored Availability Metric, and External Capacity Performance and Obligations. To assist with integrating DER into the NYISO wholesale markets, the GE MARS Group is looking at a study on load carrying capability with shorter durations. The NYISO has a compliance obligation with FERC on how the NYISO models storage. NYISO is working on a more generalized model that reflects storage technological advancements and policy development. P Gioia made a comment on Attachment #12.2. He stated that the EC should have more of detail in the Implication to Reliability section on how reliability will be met with less carbon emitting sources and what risks the EC should be looking at to ensure reliability. (AI-232-65)

**12.3. NYISO Monthly Operations Report** – Wes Yeomans – Attachment #12.3

W. Yeomans reviewed the highlights of attachment #12.3. W. Yeomans reported for the month of July that there was a Peak Load of 31,293 MW on July 2. During the month of July there were 22 hours of thunderstorm alerts and there were 0 hours of NERC TLR Llevel 3 curtailments.

There was continuing discussion on AI-231-4, regarding oil burning for economic reasons. The related action item remains open and will be discussed further at the next EC meeting.

**13. NAESB Status Report – B. Ellsworth** – B. Ellsworth reported there is an upcoming NAESB meeting on September 5 and 6, 2018.

**14. Visitor Comments** – There were no visitor comments

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

Executive Committee Meeting #232 was adjourned at 12:22 P.M.

**16. Future Meeting Schedule**

| Meeting | Date               | Location            | Time    |
|---------|--------------------|---------------------|---------|
| #233    | September 14, 2018 | Albany Country Club | 9:30 AM |