

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 218
June 9, 2017
Albany Country Club, Voorheesville, NY

Members and Alternates

In Attendance:

| | |
|------------------------|--|
| Curt Dahl, P.E. | PSEGLI – Member – Chair |
| Peter Altenburger | National Grid, USA– Member – Vice Chair |
| Bart Franey | National Grid, USA – Alternate Member -Phone |
| George Loehr | Unaffiliated Member |
| George Smith, P.E. | Unaffiliated Member |
| Richard Bolbrock, P.E. | Municipal & Electric Cooperative Sector – Member |
| Ray Kinney | NYSEG and RG&E –Member |
| Frank Pace | Central Hudson Gas & Electric – Member |
| Mayer Sasson | Consolidated Edison Co. of NY, Inc.– Member |
| Mike Mager | Couch White (Large Consumer) – Member |
| Lawrence Hochberg P.E. | New York Power Authority (NYPA) – Alternate Member-Phone |
| Matt Schwall | Independent Power Producers of NY - Member |
| Mark Younger | Hudson Energy Economics, LLC (Wholesale Sellers) – Alternate Member |

Other Attendees:

| | |
|------------------|--|
| Paul Gioia, Esq. | Whiteman, Osterman & Hanna, LLP – Counsel* |
| Al Adamson | NYSRC Treasurer and Consultant |
| Mariann Wilczek | PSEGLI – ICS Chair |
| Carl Patka, Esq. | New York Independent System Operator (NYISO) |
| Zach Smith | New York Independent System Operator (NYISO) |
| Rana Mukerji | New York Independent System Operator (NYISO) |
| Wes Yeomans | New York Independent System Operator (NYISO) |
| Emilie Nelson | New York Independent System Operator (NYISO)-Phone |
| Rick Gonzalez | New York Independent System Operator (NYISO) |
| Leka Gjonaj | NY Department of Public Service |
| Herb Schrayshuen | NYSRC EC Secretary |

Visitors- (Open Session):

| | |
|---------------|--|
| Philip Fedora | Northeast Power Coordinating Council Inc. - Phone |
| Joshua Boles | New York Independent System Operator (NYISO)-Phone |
| Cori Tackman | Power Advisors, LLC-Phone |
| Tim Lundin | New York Power Authority (NYPA) -Phone |

“*” Denotes part-time

1. **Introduction** – EC Chair C. Dahl called the NYSRC Executive Committee Meeting No. 218 to order at 9:30 a.m. on June 9, 2017. A quorum of eleven Members and/or Alternate Members (or representatives) of the NYSRC EC were in attendance.
 - 1.1. **Visitors** – The visitors and attendees on the phone were identified.
 - 1.2. **Requests for Additional Agenda Items** – None.
 - 1.3. **Executive Session Topics** – Two topics for the Executive Session were identified. The first was a further discussion in support of agenda item #8.2, the MDMS2 follow-on proposal and the second topic was for the EC to receive and consider the report of the Compensation Committee. A third topic relative to the selection of Chair and Vice Chair was added to the EC Executive Session topics during the course of discussion under agenda item #2.3 below.
 - 1.4. **Declarations of “Conflict of Interest”** – No new conflicts of interest were reported by the unaffiliated members of the EC in attendance.

2. **Meeting Minutes/Action Items List**
 - 2.1. **Approval of Minutes for Meeting No. 217 (May 12, 2017)** – H. Schrayshuen introduced the revised draft minutes of the May 13, 2017 EC Meeting (Attachment #2.1) which included all comments received. A tracked version showing the accumulated changes to the minutes since the issuance of the initial draft was also included pursuant to the request of the EC during the prior meeting. P Gioia and P. Fedora offered two additional corrections to the minutes which were noted and incorporated for approval. G. Smith moved for approval of the minutes as modified. The motion was seconded by M. Mager and then unanimously approved by the EC members in attendance (11 - 0 with no abstentions). The EC Secretary will arrange to have the final approved minutes posted on the NYSRC website and noticed to the NYISO tie list.
 - 2.2. **Review of Outstanding Action Items List** – H. Schrayshuen presented the Action Item List in Attachment #2.2 noting that several open actions items would be resolved in the course of the meeting. P. Gioia reported that **AI 213-10, 213-11 and 217-4** have been completed. Action Item changes are to be recorded as follows

| <u>Action Item #</u> | <u>Completed Action items</u> |
|----------------------|--|
| 213-10 | Renewal of Liability Policy. |
| 213-11 | Preparation of the Compensation Committee Report |
| 217-4 | Identify NYSRC records retained by P. Gioia in the offices of Whiteman, Osterman & Hanna |

- 2.3. **EC Secretary’s Report on EC member and alternate designations**
 - 2.3.1. H. Schrayshuen provided an overview of Attachment #2.3 identifying the EC member and alternate designations for the 2017-2019 term. Paul Gioia reported that all of the EC unaffiliated members have agreed to serve for the 2017-2019 term. A motion to approve the transmission owner representatives and the affiliated non-utility representatives as shown in Attachment #2.3 along with the current unaffiliated EC members for their respective roles in the 2017-2019 term was made by M. Mager. The motion was seconded by G. Loehr. The motion was approved unanimously by the EC members in attendance (11-0 with no abstentions). The topic of the selection of EC Chair and Vice Chair for the 2017-2019 term was added to the list of topics for the Executive Session. This decision completes **AI#213-12**.

- 2.4. **Status Report on the review of the NYSRC records management activities.**

2.4.1. No report was provided. *EC Secretary Note: This Agenda Item and related open Action Items #217-2 and #217-3 were held over for discussion during the July 14, 2017 EC meeting.*

3. Organizational Issues

3.1. Summary of Receipts & Disbursements

3.1.1. **Statement of Cash Receipts and disbursements** – A. Adamson presented the Statement of Cash Receipts and Disbursements for May, and reported that a call for funds will be issued for the third quarter 2017. Response to the Call for Funds is due July 1, 2017 at \$25,000 from each transmission owner. A. Adamson will issue the call for funds.

3.2. Service Agreements Approvals

3.2.1. P Gioia described the service agreement with Power Advisors, LLC for the services of H. Schrayshuen as EC Secretary, noting the proposed agreement was based on a prior agreement with the former EC Secretary and has been shared with the EC for review. Additionally a service agreement with M. Becker for services in the role as Administrative Assistant has been similarly prepared and reviewed. A motion to authorize the NYSRC to enter into both agreements was offered by G. Loehr and seconded by R. Bolbrock. The motion was approved unanimously by the EC members in attendance (11-0, no abstentions).

4. Installed Capacity Subcommittee (ICS) Status Report/Issues – ICS Chair M. Wilczek-Attachment #4.1

4.1.1. **Review NYISO Alternative LCR Methodology** – M. Wilczek reported that the ICS continues to work with the NYISO on the Alternative LCR Methodology in support of **AI #204-5**. The action item will be continued on the EC Action Item list as an “ongoing” action item. R. Mukerji committed to presenting the status of the Alternative LCR Methodology effort to the EC at its next meeting on July 14, 2017 in support of new **AI #218-1**. M Younger commented that the presentations to date have revealed certain discomfoting shortcomings of the existing LCR Methodology. P. Gioia commented that depending on outcomes of the discussion and proposed methods Policy 5 may require modification prior to implementation. B Franey also provided his opinion that proposals for a new method may impact Policy 5. R Mukerji offered his opinion that since any new method would start with the EC approved IRM based on the Tan 45 method. Policy 5 will not require modification.

4.1.2. **Modeling of NYISO Locality Sales** -M. Wilczek presented the Whitepaper included as Attachment # 4.1.2. The Locality Sales Whitepaper supports the NYISO recommendation that locality sales not be included in 2018-19 IRM base case due to modeling uncertainties and certain changes in the New England market. C. Dahl asked when GE will be in a position to make a recommendation. J. Boles indicated that there is a discussion planned for the June 29, 2017 ICAP Working Group meeting. Depending on the outcome of that discussion a sensitivity case on Locality Sales may be included in the current IRM study. A motion to approve the Locality Sales Whitepaper was made by G. Loehr and seconded by M. Sasson. The motion was approved unanimously by the EC members in attendance (11-0 with no abstentions). The EC decision resolves action item **AI 210-2**.

4.1.3. **Behind the Meter Net Generation Modelling** – M. Wilczek discussed her report regarding the status of this assumption. She identified that there is 95MW or less of this type of resource working through the registration process with the NYISO. The NYISO has proposed to include this resource in capability as an adjusted Demonstrated Maximum Gross Capability (DMGC). The load associated with such generation would be added back into the case. A placeholder will be included in the assumptions matrix. The resources are expected to be distributed throughout the state by zone.

- 4.1.4. 2018-2019 IRM Study Assumptions Matrix** – M. Wilczek reported that the ICS will see the preliminary study assumptions matrix from the NYISO on June 28. The assumptions matrix is scheduled to be presented to the EC at the July 14, 2017 meeting for approval.
- 5. Reliability Rules Subcommittee (RRS) Status Report/Issues** – A Adamson for RRS Chair R. Clayton
- 5.1. RRS Status Report & Discussion Issues** – Attachments #5.1 and #5.3
- 5.1.1.** A. Adamson reported on the status of the RRS activity. The PRR list has two PRRS under development, PRR 128 and PRR 137. PRR 128 addressing alignment with the NPCC A10 BPS definition including the detail regarding radial transmission. The discussion is ongoing and pending the outcome of the A10 revision. PRR 137 addressing underfrequency load shedding requirement to align with NPCC and NERC criteria, is under review by the RRS
- 5.2. New/Revised Reliability Rules**
- 5.2.1.** No Report
- 5.3. List of Potential Reliability (“PRR”) Changes Outstanding** – Attachment #5.3
- 5.3.1.** No additional Potential Reliability Rule changes beyond those discussed in item 5.1.1 above were put forward by the RRS.
- 5.4. Other RRS Issues**
- 5.4.1.** No other issues were identified.
- 6. Reliability Compliance Monitoring Subcommittee (RCMS) Status Report/Issues** – A. Adamson for RCMS Chair R. Clayton
- 6.1. 2017 Reliability Compliance Program** – Attachment #6.1
- 6.1.1.** A. Adamson reported that the RCMS reviewed NYISO’s compliance performance finding the NYISO in full compliance with NYSRC requirements under NYCA Resource Adequacy Assessment A.3 (R1). The NYISO provided its report demonstrating compliance with the NYSRC reliability requirements. Additionally the NYISO provided its Fault Current Assessments Report which was deemed in full compliance C.5 (R1, R3). The NYISO Equipment Owner Fault Current Assessment Actions C.5 (R2) was also found to be in full compliance.
- 6.2. RCMS Status Report** – Attachment #6.2
- 6.2.1.** As reported above.
- 6.3. Other RCMS Issues**
- 6.3.1.** No other issues were identified
- 7. NERC/NPCC Standards Tracking** – A. Adamson
- 7.1.** A. Adamson provided an overview of Attachment #7.1. He outlined the basis for the comments and reported that the NYSRC had provided comments on NERC’s proposed TPL-001-5 by the due date. This action resolves AI# 217-6.
- 8. Reliability Initiative** – G. Smith, G. Loehr
- 8.1. MDMS Project Status** – G. Smith reported that the creation of a public version of the MDMS Phase I report is not completed due to concerns from the NYISO staff regarding protection of Critical Electric Infrastructure Information. The Action Item #217-7 due date was carried over to July 14, 2017 for a further report on the status of the efforts to produce a public version of the report.
- 8.2. MDMS follow-on project proposal to NYSERDA PON 3379** – G. Smith presented Attachment #8.2 outlining a revised proposal to respond to a NYSERDA Program Opportunity Notice (PON). This completes Action Item # 217-8. G. Smith emphasized that the study is not solely focused on controlled separation as a defensive strategy, but also strategic introduction of FACTS devices and separation of a portion of the Eastern Interconnection with DC links. This portion would include New York, New

England, the Maritimes and possibly other regions within NPCC. The study looks not only at extreme contingencies, but also looks at contingencies brought about by loss of large amounts of renewable generation. The matter was carried over into the Executive Session for a further discussion regarding NYSRC sponsorship of a submission of the proposed follow-on proposal. P. Gioia commented on the NYSRC Confidentiality agreement process and that a solution to the CEII issue may be resolvable by use of NYSRC's agreement and limiting circulation. P. Gioia will circulate the relevant documents. **AI-218-2.**

9. State/NPCC/Federal Activities

9.1. NPCC Board of Directors Report – P. Fedora

9.1.1. Relative to the NPCC Board of Directors P. Fedora will meet at the end of June and will be considering the approval of the NPCC Business Plan and Budget. June 22 there will be a FERC Reliability Technical Conference.

9.2. NPCC Report – P. Fedora

9.2.1. P. Fedora reported on the NPCC RCC action which included a number of discussion items related to A10 methodology (scope). The action plan associated with the A10 review was approved by the TFCP approved the action plan. A direct web link to CP-11 Working Group A-10 Review documents has been placed on NPCC website home page. The RCC also hear a presentation on the 500 MW HVDC Maritime Link tie between Nova Scotia and Newfoundland will likely be commission by the end of 2017. Z. Smith raised the question of Newfoundland joining NPCC as a result of the interconnection and P. Fedora expressed the view that Newfoundland would become an NPCC member.

10. NYISO Status Reports/Issues

10.1. NYISO System and Resource Planning Status Report, March 31, 2017-Z. Smith – Attachment # 10.1

10.1.1. Z. Smith presented the status of the activity related to the Western New York Public Policy report with a tentative target for and end of June 2017 release of the draft report. R. Bolbrock inquired regarding an upcoming Joint Management Committee NYISO Board meeting where two topics are the impact of the Public Policy solutions on the markets and how to address those impacts.

10.2. NYISO Markets (items relevant to reliability) -R. Mukerji - Attachment #10.2

10.2.1. R. Mukerji reported that in addition to the prior locational Capacity requirements report there are numerous pilot projects related to the impacts of distributed resources. Regarding Capacity Zone Elimination (in Attachment #10.2).

10.2.2. R. Mukerji reported that the NYISO has concluded that the development of capacity zone elimination rules based solely on deliverability criteria will not provide a robust solution which captures reliability needs. The dissatisfaction with the existing approaches for identifying criteria for zone eliminations based on deliverability calls for the development of a new reliability criteria. The criteria would apply for both creation and delamination of zones. The schedule is to develop the approaches during the summer and to bring concepts to stakeholders in the fall.

10.2.3. PJM Pseudo-Tie Revisions – NYISO and the NYISO Market Monitor have protested the PJM Pseudo Tie filing with FERC and that a scission is not likely until FERC obtains a quorum by the appoint of new commissioners.

10.3. NYISO Monthly Operations Report –W Yeomans – Attachment #10,3

W. Yeomans reviewed the NYISO NERC audit (April 9-11) results which were favorable with no compliance violation findings and two recommendations. One recommendation was related to the evidence demonstrations needed for Automatic Voltage Regulator (AVR) status and the other for

evidence demonstrations needed for three-part communications evidence. The audit scope was reduced as a result of the Internal Controls Evaluation (ICE) conducted in 2016.

W. Yeomans reviewed the NYISO monthly Operations Report performance information in Attachment #10.3 noting that, one major emergency (for the loss of the ISO-NE Phase II project) was declared and resolved within 6 minutes. Three thunderstorm alerts (9.5 hrs.) were experienced in May. R. Gonzales outlined the new protocol for managing the Ramapo Phase Angle Regulators (PARs) that is now in place involving a 400 MW flow schedule adjustment for the purpose of reliability support to northern New Jersey. He noted that it was major procedural change given the short one year notice the NYISO received. The current arrangement expires in 2019. R. Gonzales identified that the NYISO met with 26 plants representing 13,000 MW of capacity to verify operability of these low capacity factor generating units during peak times. The findings of the audit were that all audited plants exercise due diligence relative to readiness for the summer peak season. R. Gonzalez also reported that in the next NYISO Operations report there will be additional reports on wind production by zone, statewide capacity factor, as well as wind curtailments by zone due to transmission constraints. W. Yeomans reviewed the monthly operations reporting process so that the various NYISO operations reports can be included in the NYSRC EC meeting packages. W. Yeomans also identified an effort to implement NYISO tariff changes to obtain cost recovery of Ramapo PAR replacement. The second Ramapo PAR is scheduled for a September 2017 in-service date.

10.3.1. NYISO 2017 Summer Capacity Assessment - W. Yeomans – Attachment #10.3.1

W. Yeomans reviewed the NYISO Summer Assessment material from a capacity point of view as provided in Attachment # 10.3.1. The details were presented noting that adequate reserves exist for meeting load under the 50/50 and 90/10 2017 summer load forecasts. He clarified the role of demand response, curtailment programs in all of the scenarios presented. Z. Smith identified the changes in downstate constraints relative to Long Island. There was an depth discussion regarding the use of 10 minute reserve for the purposes of determining resources adequacy. Additionally there was a discussion regarding transmission outage coordination during peak load periods. There is a NY PSC effort to develop utility specific demand response programs in addition to the NYISO wholesale demand response programs. To avoid double counting between the utility and NYISO programs the NYSIO is coordinating its wholesale program with the programs of the transmission owners. The peak period coordination with adjacent areas for the summer peak load periods this summer was presented discussed. Historic peak loads were reviewed.

11. NAESB Report – B. Ellsworth

No report was given due to the absence of B. Ellsworth.

12. Visitor comments

There were no visitor comments.

13. Adjournment of the EC Open Meeting

The open portion of Executive Committee Meeting #218 adjourned at 11:30 A.M. An Executive Session of the EC commenced directly after the open meeting adjournment.

14. Future Meeting Schedule

| Meeting No. | Date | Location | Time |
|--------------------|-------------------|--|-------------|
| #219 | July 14, 2017 | NYISO, Rensselaer, NY | 9:30 AM |
| #220 | August 11, 2017 | Albany Country Club, Voorheesville, NY | 9:30 AM |
| #221 | September 8, 2017 | Albany Country Club, Voorheesville, NY | 9:30 AM |