

Draft Minutes
New York State Reliability Council, L.L.C. (NYSRC)
Executive Committee (EC) Meeting No. 216
April 13, 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 - Phone
Bart Franey	National Grid, USA – Alternate Member
George Loehr	Unaffiliated Member
Roger Clayton P.E.	Unaffiliated Member, – RRS, RCMS Chair
Bruce Ellsworth	Unaffiliated Member
George Smith, P.E.	Unaffiliated Member
Richard Bolbrock, P.E.	Municipal & Electric Cooperative Sector – Member
Matt Schwall	Independent Power Producers of NY – Member
Rick Brophy	NYSEG and RG&E –Alternate Member
Frank Pace	Central Hudson Gas & Electric – Member
Mayer Sasson	Consolidated Edison Co. of NY, Inc.– Member
Mike Mager	Couch White (Large Customer Sector) – Member
Sunil Palla	NYPA – Member - Phone
Mark Younger	Hudson Energy Economics, LLC (Wholesale Sellers Sector) – Alternate Member

Other Attendees:

Paul Gioia, Esq.	Whiteman, Osterman & Hanna, LLP - Counsel
Carl Patka, Esq.	New York Independent System Operator (NYISO)
Dana Walters	New York Independent System Operator (NYISO)
Aaron Markham	New York Independent System Operator (NYISO)
Leka Gjonaj	NY Department of Public Service
Mariann Wilczek	PSEGLI – ICS Chair
Herb Schrayshuen	NYSRC EC Secretary

Visitors- (Open Session):

Philip Fedora	Northeast Power Coordinating Council Inc.
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“*” Denotes part-time

1. **Introduction** – EC Chair C. Dahl called the NYSRC Executive Committee Meeting No. 216 to order at 9:30 a.m. on April 13, 2017. A quorum of all Members and/or Alternate Members (or representatives) of the NYSRC EC were in attendance.
 - 1.1. **Visitors** – C. Dahl welcomed Bart Franey back as an Alternate Member of the EC for National Grid.
 - 1.2. **Requests for Additional Agenda Items** – None.
 - 1.3. **Executive Session Topics** –C. Dahl reported that there would be an executive session following the open meeting to receive an overview of the MDMS project status and to consider the appointment of H. Schrayshuen as the EC Executive Secretary.
 - 1.4. **Declarations of “Conflict of Interest”** – R. Clayton reported that he has resolved all of his potential conflicts of interest in support of his appointment as an Unaffiliated Member of the EC. No other actual or potential conflicts of interest were reported.

2. **Meeting Minutes/Action Items List**

- 2.1. **Approval of Minutes for Meeting No. 215 (March 10, 2017)** – H. Schrayshuen introduced the revised draft minutes of the March 10, 2017 EC Meeting (Attachment #1) which included all comments received. There were no additional comments from the EC Meeting participants in attendance. B. Ellsworth moved for approval of the minutes. The motion was seconded by G. Smith and then unanimously approved by the EC Members – (13 to 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. **Action Items List** – The EC reviewed the Outstanding Action Items list (Attachment #2) and accepted removal of the following items:

<u>Action Item #</u>	<u>Comments</u>
183-6	NPCC is in the process of addressing the A-10 Criteria and its relation to BPS. The EC removed this action item from the list upon the recommendation of R. Clayton.
210-3	NYISO Study on the impact of the Clean Power Plan was presented in EC Meeting # 215.
212-2	The unaffiliated EC member position was fulfilled with the appointment of R. Clayton in that role in addition to his duties as RRS and RCMS Chair.
213-2	The scope for analysis of an influx of low availability renewable resources on the IRM was provided by Mariann Wilczek in EC Meeting #215.
213-9	Paul Gioia reported that the NYSRC D&O Policy has been renewed.
214-2	The completed financial audit report was provided by A. Adamson in EC Meeting #215.
215-5	An overview of the MDMS study was provided by G. Smith and G. Loehr in EC Meeting #216 as part of the Executive Session. The public version of the final MDMS report is expected to be provided at the May meeting.

3. Organizational Issues

3.1. Summary of Receipts & Disbursements

3.1.1. Statement of Cash Receipts and disbursements - The Statement of Cash Receipts and Disbursements for March, 2017 was provided in the meeting materials as Attachment #3. The attachment included an explanatory letter from C. Campoli dated April 3, 2017. EC Meeting participants were advised to direct any questions to the A. Adamson, NYSRC Treasurer.

3.1.2. Call for funds- There was no call for funds issued.

3.2. D&O Policy Renewal – P. Gioia reported that the NYSRC D&O Policy had been renewed with AEGIS. B. Ellsworth reported that the invoice for the D&O Policy had been paid.

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

4.1.1. Modeling of NYISO Locality Sales -M. Wilczek reported that the ICS is working on draft whitepapers as detailed in the ICS report (Attachment #4). The first draft of the Locality Sales Whitepaper was reviewed. In a conference call scheduled for April 18, 2017 the ICS will review the whitepaper. The ICS will review the NYISO proposal for a locality exchange factor at a meeting scheduled for April 18, 2017. The NYSIO has retained GE to examine the locality sales issue probabilistically using MARS. The results have yet to be presented. These circumstances coupled with a lack of history for developing locality sales assumptions resulted in a recommendation to the ICS by the ISO that locality capacity exports not be modeled in the 2018 study. The topic has not yet been fully reviewed by the ICS.

4.1.2. Emergency Assistance Limits – M. Wilczek reported on the work of J. Adams to identify appropriate emergency assistance assumptions. More data, including the entire PJM footprint has been obtained to perform the new analysis. Based on the analysis there was very little change in IRM or the down state LCR. The overall average of surplus reserve for all load levels was 3,318 MW. The previous analysis used 2,620 MW for the emergency assistance assumption. The difference in impact on the reserve requirements is small. J. Adams is recommending a number in the range of 3,100-3,500 MW to potentially be used as sensitivity for the 2018 base case assumptions. The ICS will consider J. Adams’ assessment and make a specific recommendation. M. Sasson initiated a discussion regarding the need for the addition of an operational “wheel” to model historical levels of transfers because the historical Con Edison import of 1,000 MW will end May 1 as filed by NYISO/PJM at FERC. The assumptions related to this topic will be reviewed by the ICS.

4.1.3. Review NYISO Alternative LCR Methodology – M. Wilczek reported on the NYISO’s work regarding the alternative LCR methodology. The NYISO report will be provided in a future ICS meeting. One newly identified concept is the addition of a transmission capacity constraint that would recognize the need for an LCR floor. M. Younger discussed the relationship between the alternate methodology and the recognition of the LCR floor. M. Wilczek reported that the work is in the early stages and will not be ready for inclusion in the 2018-19 base case. A presentation on this topic to the Executive Committee is planned – **AI#215-3**.

4.1.4. Impact of a High Penetration of Renewable Resource on IRM – M. Wilczek reported that the NYISO has not yet made a recommendation regarding the model locations for 2,000 MW of new wind and solar renewable resources. The plan is to include this in the 2018 base case as a sensitivity study.

4.1.5. Review of A/B/C, J/K and 5018 lines for topology- M. Wilczek reported that she has been working with Con Edison on this agenda topic and will provide an update at the May ICS meeting.

4.1.6. 2018-2019 IRM Study Assumptions Matrix – M. Wilczek reported that the preliminary draft version of the assumptions matrix will be available for review by the EC in June after the NYISO

Gold Book is released. The Preliminary Assumptions Matrix is scheduled to be approved by the EC at its July 14, 2017 meeting – **AI #215-4**.

4.2. Other ICS Issues-B. Franey reported that Clay Burns will be the new National Grid representative to the ICS.

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

5.1. RRS Chair Report R. Clayton provided an overview of his written report.

5.2. Status of New/Revised Reliability Rules – Attachment #5

5.2.1. PRR #128 is on hold pending the NPCC A-10 criteria review project outcome.

RRS has discussed the concept of adopting the current A-10 definition into the NYSRC rules pending the NPCC decisions on the A-10 criteria particularly with respect to ConEd’s concerns regarding the treatment of radial elements. RRS supported the idea. A meeting has been set up with ConEd to further discuss the matter and move this work forward.

5.2.2. PRR #136 – see below

5.2.3. A revision to PRR #137 has been undertaken to conform to NERC and NPCC rules. NYSRC has a legacy provision that if the frequency drops below 58.5 Hz, generators should consider dropping and creating island. This does not conform to the current NERC rules which call for ride through at that frequency level. Looking at all of the underfrequency related requirements of the NYSRC, the NYISO is suggesting that NYSRC should review its related rules because it appears the NYSRC requirements are less stringent than NERC rules. NYISO further suggests that the NYSRC requirements may no longer be needed. The RRS will assess the issue.

5.3. Proposed NYSRC Reliability Rule Revisions

5.3.1. PRR for EC Final Approval– Attachment #6

PRR #136, Reliability Rule I.4 Clarification of the use of Screening Guidelines – Attachment #6. This PRR was posted for comments and no comments were received. RRS recommends that the EC adopt the rule as final. The rule clarifies that Market Participants must apply the same data screening requirements that the NYISO has developed and uses. Motion to approve PRR # 136 as a final reliability rule was offered by M. Sasson and seconded by G. Smith. The motion was approved with a unanimous EC vote of 13 yes and no abstentions. The rule will be posted by the EC Secretary as a final rule -**AI #216-1**.

5.3.2. PRRs to post for Comment - none

5.3.3. PRRs for EC Discussion - none

5.4. NERC/NPCC Standards Tracking -Attachment #7

NERC Standards Development – R. Clayton directed the meeting participants’ attention to Attachment #7 which provided NYSRC’s NERC Standards voting history. There was no discussion.

5.5. Other RRS Issues

5.5.1. M. Sasson reported that the NYISO Operating Committee has approved a revision to NYISO Manual No. 20 reflecting the black start testing requirements called for in the NYSRC Black Start Rule. In support of the NYSRC Black Start Rule the NYSIO has proposed to remove the black start testing requirements from the NYISO Tariff (subject to FERC approval) and publish the conforming material in “NYSIO Manual 20 – System Restoration Manual”.

5.5.2. R. Clayton reported that a periodic meeting with the NY Department of Environmental Conservation is scheduled for April 20, 2017. EC Meeting participants were advised of the opportunity to participate by conference call.

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

6.1. 2017 Reliability Compliance Program – Attachment #9 and Attachment #10

R. Clayton reported that the RCMS reviewed NYSIO’s compliance with A.2 (R1- R3), C.8 (R1) for February NYISO real time operations, I.1 (R3), I.1 (R4), I.2 (R2). The RCMS found the NYISO in full compliance with all obligations reported under the NYSRC’s compliance program.

6.2. Other RCMS Issues

6.2.1. RCMS Status Report – no discussion

7. Reliability Initiative – G. Smith, G. Loehr

7.1. NYSERDA requested that the public version final report be produced for the project. The current draft report contains Critical Electric Information Infrastructure Information (CEII). The public version would have the CEII redacted. That work is underway. It is planned to have the public version available for the May EC meeting. G Loehr expressed his concern that the implementation of CEII restrictions might remove information useful to improving reliability. The NYISO is assisting in the review and editing of the public version of the report.

7.2. MDMS Overview — An overview of the project status was presented in the April 13, 2017 EC Executive Session.

8. State/NPCC/Federal Activities

8.1. Report on NERC Reliability Leadership Summit – Attachment #11 was introduced by C. Dahl. The EC discussed M. Forte’s report on the NERC Reliability Leadership Summit which took place in Washington DC on March 21. The EC members noted and discussed the FERC Acting Chair’s remarks regarding her views of the greatest risks to reliability. In particular there was discussion regarding the issues related to state jurisdiction over generation resources and the advent of greater amounts of generation located on the distribution system below the bulk power system level.

8.2. NPCC Report – P. Fedora

P. Fedora reported on the recent NERC Planning Committee discussion regarding inherent and emerging reliability risks. The changing load mix due to the presence of distributed generation was identified as a risk to reliability since it affects the apparent load as seen by the transmission system. M. Sasson noted FERC’s recent issuance of two NOPRs, one on electricity storage and the other on distributed generation. P. Fedora further noted that the transmission /distribution interface will be a focal point in future reliability studies. NPCC has studies underway assessing the impact of distributed energy resources on restoration planning and UFLS settings. On May 4, NPCC plans a media event to accompany the release of the NPCC 2017 Summer Reliability Assessment.

9. NYISO Status Reports/Issues

9.1. NYISO System and Resource Planning Status Report, March 31, 2017-D Walters – Attachment # 12
D. Walters provided an overview of the items in the NYISO Attachment #12 status report on NYISO planning related processes. He noted noting that the NYISO approved the 2016 CRP on March 16, 2017 and that there are no 2016 CARIS 2 Project proposals submitted as of March 31. PPL has requested an additional CARIS study assessing the economic impact of a new transmission facility connecting Lackawanna, PA and Ramapo. M. Mager asked for an explanation regarding the process steps which D. Walters addressed. M. Sasson asked about the criteria for adopting a project. C. Patka offered an outline of the criteria for moving forward with a project. The process for conducting the CARIS I for 2017 has been reviewed with the NYISO Stakeholders. The Western NY Public Policy Transmission Need evaluation is ongoing. On March 27, 2017 the NYISO filed a cost allocation methodology for costs related to transmission built for the AC Public Policy Transmission Need with FERC. G. Loehr expressed a concern that the proposed addition of a new DC transmission line from Quebec into New England will share a right of way with the existing Phase II DC facility. The concern

is that there is a significant amount of transmission delivery capability on a single right of way and that it should be studied as an extreme contingency for potential reliability impact on New York reliability. B. Franey clarified that the status of the project is in a very preliminary conceptual stage and not in any transmission planning queue at this time.

9.2. NYISO Markets (items relevant to reliability) - Attachment #13

A verbal report was not provided. See the NYISO written report in Attachment #13 updating the status regarding five topics: Locational Capacity Requirements (Review of Alternate Methodologies), Capacity Exports from Localities, Distributed Energy Resources, Capacity Zone Elimination and the PJM Pseudo-Tie Tariff Revisions. The fifth topic addressing PJM's Pseudo-Tie proposal received some EC discussion. M. Mager commented favorably on the NYSIO's protest to FERC in the proceeding regarding the potential reliability implications to New York inherent in the PJM proposed approach to managing pseudo-ties.

10. Other Items

10.1. NYISO Monthly Operations Report – A. Markham for W Yeomans – Attachment #14

The highlights of Attachment #14 were presented by A. Markham of the NYISO on behalf of Wes Yeomans. The meeting participants asked several clarifying questions regarding the report which resulted in no changes to submitted report. A high wind induced loss of load event occurred in western NY on March 8, 2017. Several operating actions were implemented as a result, but there were no impacts on the transmission system. A new record renewable output of 1,574 MW occurred on March 2, 2017 when 9% of the NY load was served by renewable resources. R. Clayton requested information regarding recent disturbance emanating from New England (1250 MW loss) on April 4, 2017 due to the loss of Phase II DC facility. G. Loehr commented on how quickly operators responded and took action to maintain system security. A. Markham reviewed the operator actions required to respond to an event such as this. The system frequency drop related to the event was discussed. The EC requested that the NYISO provide the actual frequency drop related to the disturbance. **AI#216-2**

Post Public meeting note: A. Markham fulfilled the action item the same day by reporting the frequency drop during the EC Executive Session).

10.2. NAESB Report – B. Ellsworth

B. Ellsworth reported that NAESB has completed the study requested by the FERC which pursued standards "for faster, computerized scheduling when shippers and confirming parties all submit electronic nominations and confirmations, including a streamlined confirmation process if necessary." The NAESB was unable to garner the requisite support in its Wholesale Gas Quadrant, but the record of their study efforts, which comprised some 11,000 hours of research, were forwarded to the FERC for their further consideration.

11. Visitor comments

There were no visitor comments.

12. Special Recognition Item - With the completion of the open meeting agenda Chair C. Dahl asked the meeting attendees to join him in recognizing Don Raymond for his three years of service as a founding member of the EC and for his 14 years of service as Secretary to the EC. The EC members, alternates and other meeting attendees recognized Don's "tireless, thorough, informative and dedicated" approach to his role in support of the work of the NYSRC through the presentation of a plaque of recognition with their sincere appreciation.

13. Adjournment of the EC Open Meeting

The open portion of Executive Committee Meeting #215 adjourned at 10:50 A.M. An Executive Session of the EC commenced directly after the open meeting adjournment to consider the MDMS overview presented by G. Smith and G Loehr. Additionally, the EC considered the appointment of H. Schrayshuen as EC Secretary.

14. Future Meeting Schedule

Meeting No.	Date	Location	Time
#217	May 12, 2017	Albany Country Club, Voorheesville, NY	9:30
#218	June 9, 2017	Albany Country Club, Voorheesville, NY	9:30
#219	July 14, 2017	NYISO, Rensselaer, NY	9:30