

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 217
May 12, 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 -Phone
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
Rick Brophy	NYSEG and RG&E –Alternate Member- Phone
Frank Pace	Central Hudson Gas & Electric – Member
Mayer Sasson	Consolidated Edison Co. of NY, Inc.– Member
Mike Mager	Couch White (Large Consumer) – Member
Sunil Palla	NYP&A – Member
Mark Younger	Hudson Energy Economics, LLC (Wholesale Sellers) – Alternate Member
Chris Wentlent	Constellation (Wholesale Sellers) – Alternate Member Phone

Other Attendees:

Paul Gioia, Esq.	Whiteman, Osterman & Hanna, LLP – Counsel*
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 Yeoman	New York Independent System Operator (NYISO)
Vijay Puran	NY Department of Public Service
Mariann Wilczek	PSEGLI – ICS Chair
Al Adamson	NYSRC Treasurer and Consultant
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
John Adams	NYSRC Consultant-Phone
Cori Tackman	Power Advisors, LLC-Phone

“*” Denotes part-time

1. **Introduction** – EC Chair C. Dahl called the NYSRC Executive Committee Meeting No. 217 to order at 9:30 a.m. on May 12, 2017. A quorum of all 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** –C. Dahl Initially reported there would be no Executive Session, however during the course of the meeting an Executive Session was requested by M. Sasson.
 - 1.4. **Declarations of “Conflict of Interest”** – No new conflicts of interest were reported by the unaffiliated members of the EC.

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

- 2.1. **Approval of Minutes for Meeting No. 216 (April 13, 2017)** – H. Schrayshuen introduced the revised draft minutes of the April 13, 2017 EC Meeting (Attachment #2.1) 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. M. Sasson requested that when revised minutes were issued that a copy with tracked changes be circulated so that EC members can verify how their comments on the minutes were incorporated. H. Schrayshuen committed to do that in the future. The minutes were approved without modification (13-0 and no abstentions).
- 2.2. **Review of Action Items Outstanding List** – H. Schrayshuen presented the Action Item List Attachment #2.2 noting that it now includes a completed action item list for 2017. H. Schrayshuen explained that two Action Items which had been scheduled for presentation in Meeting #217 and therefore placed on the initial Agenda, had been requested to be removed by the scheduled presenters. The EC discussed the removal of agenda item 9.1 “Provide updates on the State Resource Planning Analysis” from the agenda. V. Puran indicated that he would prefer if the action item is permanently removed from further discussion because the final draft report is with the Executive Staff at the DPS and further direction will be needed before DPS Staff can discuss the analysis in a public forum. P. Altenburger asked whether there will be a Phase 2 stage of the State Resource Planning Analysis and V. Puran indicated that he is not aware that a Phase 2 effort will be undertaken. M. Younger identified that a presentation on the Phase 1 effort was made to the NYISO in October. The EC requested that a copy of the State Resource Planning Analysis presentation that was made to the NYISO Electric System Planning Working Group on October 25, 2016 be provided. **AI 217-1**, AI 204-3 and agenda item #10.3 “Presentation on Emergency Declarations by the NYISO” were discussed by the EC. The basis for the request for the presentation was identified by R. Clayton as being due to numerous emergency declarations reported by the NYISO in Western NY. After discussion with W. Yeomans AI 204-3 and delivery of a presentation has been deferred to the RRS and RCMS. The EC Secretary was directed to reflect AI 204-3 as complete. Action Item changes were approved and recorded as follows

<u>Action Item #</u>	<u>Comments</u>
202-4	Resolved via the distribution of the State Planning Analysis presented to the NYSIO in October 2016 to the EC distribution list AI 217-1.
204-3	NYISO Presentation on Emergency Declarations was removed for the EC Action Item List and the task reassigned for a future presentation to the RRS& RCMS.

- 207-2 Completed via the delivery of the Emergency Assistance Whitepaper presented in meeting #217
- 215-2 Completed via the presentation of an Emergency Assistance Whitepaper in meeting #217 - completing this duplicate Action Item

2.3. Transfer of EC Secretary Records and Document Destruction and Retention Policy –

2.3.1. H. Schrayshuen introduced the topic recounting the transfer of EC Secretary Documents to his custody and the potential need for a NYSRC Document Management process. EC members discussed the matter and proposed that the EC Secretary provide a recommended approach in conjunction with the other NYSRC record keepers. During the EC discussion the relationship between the documents posted on the NYSRC website and the physical documents was discussed. The EC discussed the need to retain the physical documents given the extensive document posting process on the NYSRC website. P. Altenburger provided his opinion that the technical record should be preserved in some way. A. Adamson reported that many NYSRC documents have been transferred to the NYSRC website as part of a prior program. H. Schrayshuen was requested to initiate an action item to develop a draft policy for EC review. **AI 217-2.** R. Clayton noted that understanding the current state of the website document back up process is fundamental to the document management policy. A. Adamson will identify the backup mechanism for records in the current NYSRC website **AI 217-3.** C. Patka identified certain NY State sources of document retention obligations. P. Gioia indicated that his firm retains all documents related to the formation of the NYSRC, agreements, agency filings and other documents. P. Gioia will provide a list of all documents retained by his firm on behalf of the NYSRC. **AI 217-4.** P. Gioia stated that the NYSRC formation documents should be kept perpetually. P. Altenburger inquired regarding the Treasure and other NYSRC committee chair records. As a result of the discussion the scope of Action Item 217-2 will include all NYSRC record holders. No due date was established by the EC.

2.4. Report on Large Consumer Sector and Transmission Owner selections for EC membership.

2.4.1. H. Schrayshuen reported that no letters of reappointment of EC members have been received from NY Transmission Owners to date. The EC Secretary was directed to send an email reminder to the TO members including a form letter to use as a model. **AI 217-5.** H. Schrayshuen reported the receipt of thirteen letters identifying Multiple Intervenors as the entity best suited to represent Large Consumers on the EC in the next term.

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 April, and reported that the second quarter call for funds has been fulfilled.

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

3.2. Discussion of the Selection of Executive Committee Members and Officers –

3.2.1. P. Gioia related the content of his memo regarding the sector appointment processes. P. Gioia will survey the unaffiliated members to find out if they are willing to serve another term. He pointed out that because of P. Altenburger’s planned departure both a Chair and Vice Chair will have to be identified for the next term. P. Gioia indicated he would prepare a new contract for the services of the EC Secretary. M. Sasson requested an Executive Session of the EC to discuss the Chair and Vice Chair election process.

4. **Installed Capacity Subcommittee (ICS) Status Report/Issues** – ICS Chair M. Wilczek-Attachment #4.1
- 4.1.1. Modeling of NYISO Locality Sales** -M. Wilczek reported that the ICS continues its work on the draft whitepaper on the modelling of locality sales. A draft of the Locality Sales Whitepaper is under development will be presented for EC approval at its next meeting in June. The ICS discussed and 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. EC deferred action until the final Locality Sales Whitepaper is circulated for review and discussed at the June 9, 2017 EC meeting – **AI 215-3**
- 4.1.2. Emergency Assistance Limit Analysis** – M. Wilczek reported on the work of J. Adams and his report to the ICS to establish an appropriate emergency assistance limit assumption. M. Wilczek reported that the consensus Emergency Assistance Limit assumption recommendation of the ICS based on J. Adam’s work is 3,500 MW. A sensitivity case at a higher level is planned. J Adams discussed the fact that some transfers above 4,000 MW exist in the historical record. One noted event had an import of 4,900 MW into New York. All of the details which were used to form the recommendation are provided in the whitepaper. J. Adams and the ICS do not support an emergency assistance assumption above 4,000 MW. R. Bolbrock indicated that the report should identify what the basis for any limitation is. J. Adams pointed out that since MARS looks at neighboring control areas and moving available resources to New York, generating unit start times may be a practical limit. Focusing on the 10 minute reserve basis for the current recommendation, R. Bolbrock pointed out that during high stress periods additional generation is often committed in the interest of system security and challenged that the 10 minute reserve level should be the basis for the amount of emergency assistance available. He indicated that there are situations in known high system stress periods where emergency needs can be anticipated, and greater emergency assistance may be available. M. Younger pointed out that on peak days, not all peaking generation is necessarily available. M. Sasson suggested that historically, 3,500 MW for New York as a whole may translate into 1,500 MW from PJM. The EC discussed how to divide up the 3,500 MW (or any assumption) among the various sources of emergency assistance (IESO, PJM, New England and Quebec). M. Sasson supports the 3,500 MW assumption. M. Wilczek reported that several sensitivities will be run to explore the impact on IRM. M. Younger reports that he has asked the NYISO to provide a breakdown of the emergency assistance available by source area because New York transmission constraints may limit deliverability of emergency assistance from some potential providers. A. Adamson reminded the EC that the present MARS model possibly overstates the emergency assistance benefit because MARS may try to dispatch generating units that cannot actually be started in time to render assistance. The draft Whitepaper shows that the IRM is relatively insensitive with a 3,500 MW emergency assistance limit. M. Wilczek reported that the NYISO may be able to perform sensitivities by each potential emergency assistance provider. The final sensitivity cases will be identified later.
- 4.1.3. Review NYISO Alternative LCR Methodology** – M. Wilczek reported on the NYISO’s briefing regarding their Alternative LCR Methodology results to the ICAP working group meeting. The ICS will review the NYISO Alternative LCR Methodology work at its May 30, 2017 meeting.
- 4.1.4. Impact of a High Penetration of Renewable Resource on IRM** – M. Wilczek presented the NYISO recommendation for the zonal distribution of the 2,000 MW of additional wind and solar renewable resources. The plan is to include this in the 2018 study as a sensitivity study. B. Franey asked how the solar will be modelled (discreet blocks). M. Wilczek outlined the distribution by zone without any specific location as indicated in the table. There will be separate runs for solar, then wind, and then both together. B. Franey pointed out that the State Resource Plan Phase 1 there was concern regarding deliverability of the new resources. The study will consider each renewable resource to be a zonal resource. C. Dahl pointed out that although the NYISO is not proposing that

offshore wind be modelled, there has been a specific award for off shore generation. He suggested that a specific category for known off- shore wind be added to reflect the project LIPA is pursuing. C. Dahl indicated that if off shore wind modeling data is the impediment and is needed, he can provide such data. W. Yeomans reviewed the history of the development of the renewable assumptions for the study without going into specific planned projects. The consensus reached is that since this is a generic directional study, specific generation projects (the proposed off shore wind in this case) would not be needed to obtain the information needed by the EC regarding how renewable generation penetrations influence the IRM. R. Clayton requested that any discount factor applied for local deliverability should be noted in the report. C. Dahl suggested that any documentation that offshore wind cannot be modeled be struck from the ICS report.

4.1.5. Review of A/B/C, J/K and 5018 lines for topology- M. Wilczek reported that the ICS has been working with the NYISO on this topic and will provide an update after the May 30 ICS meeting.

4.1.6. 2018-2019 IRM Study Assumptions Matrix – - M. Wilczek reported that the ICS has been working with the NYISO on identifying resources to be modeled and will provide an update to the EC after the May 30 ICS meeting.

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

5.1. RRS Status Report & Discussion Issues – Attachments #5.1 and #5.3

5.1.1. R. Clayton reported on the status of the RRS activity. The PRR list has two PRRS under development, PRR 128 and PRR 137. He reported also that PRR 136 approved at the prior EC meeting is incorporated into the latest draft of the Reliability Rules and Compliance Manual which will be posted on the website shortly. Regarding PRR 128 – Definition of BPS, the RRS has identified the need to align and updated the legacy NYSRC definition of Bulk Power System with the NPCC A10 definition of BPS. Additionally, there is a desire to clarify that the NYSRC definition is consistent with the NPCC definition. Roger Clayton reported that ConEd would like to continue the exclusion of certain radial elements from the NPCC A10 process and list. RRS would like to obtain an explanation regarding why the radial exclusions being taken. P. Fedora provided an overview of the NPCC A10 test to identify facilities which, if out of service, would have an adverse impact. He identified that radial facilities do not generally have an impact outside the local area. He contrasted the NPCC approach with other regions in the US which use a bright line test at 100 kV. He further explained how the NERC BES determination came about and the origin of the NPCC A10 process review underway. M. Sasson related ConEd’s interest in the situation where some facilities identified as part of the A10 BPS facilities have significant and more stringent system protection requirements which may be applied to high voltage “distribution” radial facilities the loss of which would not cause adverse system impact to neighboring systems. ConEd wants to avoid expanding the protection requirements to facilities that cause no adverse system impact. Z. Smith proposed that the NYISO staff will provide information requested by R. Clayton to the RRS. The NYISO will identify the specific radial exclusions under A10 and the basis for those exclusions. R Clayton proposes to develop an NYSRC definition, including a local rule that would provide the exclusion that ConEd seeks (exclusions for certain radial facilities). RRS will receive the NYISO report at a future meeting and address the matter. P. Fedora pointed out the NPCC A10 list is Critical Electric Infrastructure Information and therefore not generally available.

5.1.2. Regarding PRR 137, the NERC and NPCC requirements may have superseded the NYRSC requirements. The NYISO has prepared a comparison of the requirements. A separate meeting has been scheduled to develop material for presentation to the RRS.

5.2. New/Revised Reliability Rules

5.2.1. R. Clayton reported that there are no new reliability rules.

5.3. List of Potential Reliability (“PRR”) Changes Outstanding – Attachment #5.3

5.3.1. This topic was covered in the prior discussion.

5.4. Other RRS Issues

5.4.1. R. Clayton identified that NERC's proposed TPL-001-4 comments are due Wednesday May 24, 2017. He reviewed the rule changes with the EC and recommended that comments be provided. R. Clayton and A. Adamson proposed to develop NYSRC comments regarding proposed changes to the standard regarding planned maintenance assumptions and extreme contingency related corrective action plan development. Z. Smith committed to share the planned NYISO comments to NERC with the RRS. The EC supported the development of NYSRC comments. **AI-217-6**

5.4.2. R Clayton reported on the April 20 meeting with the NY DEC and proposed to distribute the meeting notes to the NYSRC via the EC Secretary at a future date. R. Clayton highlighted some of the discussion with the EC including the Clean Power Plan, the status of RGGI CO2 limits will be that they continue and the Clean Energy standard of minus 40% by 2030 will continue to be the target. R. Clayton noted that Indian Point Nuclear station has not yet filed its notice of deactivation and therefore the deactivation cannot be formally included in planning analysis. R. Clayton identified that there is 2000 MW of peaking generators which are at risk under the 70 PPB emission limit to reach the required ozone attainment levels. R. Clayton emphasized the impact on electric reliability of the issue. A hearing on the topic occurred on April 24. R. Clayton noted that NYC passed a local law restricting #4 fuel oil consuming facilities which will have an impact on generation.

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

6.1. 2017 Reliability Compliance Program – Attachment #6.1

R. Clayton reported that the RCMS reviewed NYISO's compliance performance finding the NYISO in full compliance with NYSRC requirements under Real-Time Operations C.8 (R1) and with Emergency operations D.1 (R1 to R8), D.2 (R1, R2) and D.2 (R3).

6.2. Other RCMS Issues

R. Clayton reported that each time the NYISO reviews its compliance it reviews NERC and NPCC compliance. NYISO will develop a procedure document to accomplish this task. The resulting procedure document will ultimately be proposed to be incorporated in Policy 4 which will come to the EC in the future.

7. NERC/NPCC Standards Tracking – A. Adamson

7.1. A. Adamson provided an overview of Attachment #7.1. The proposed NERC Standards Processes Manual changes had no impact on NYSRC compliance activity.

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 report is near completion and expected to be available for the June 9, 2017 meeting.

8.1.1. *Note from the EC Secretary – for the purposes of the EC Meeting #216 minutes AI-215-5 related to the Reliability Initiative was changed from presenting the MDMS Final Report to Present a MDMS Project Overview in Executive Session after EC Meeting #216. The revised action was completed. However a public report is still under preparation and is yet to be delivered. The delivery of the public report will be recorded in the EC Action Item list as AI-217-7*

8.2. MDMS follow-on project proposal to NYSERDA PON 3379 – G. Smith presented Attachment #8.2 outlining an opportunity to respond to a NYSERDA Program Opportunity Notice (PON) 3397 for funding follow-on MDMS Future Study Scoping Possibilities in support of the Reliability Initiative. The project would involve Quanta Services as a project partner. A discussion of the merits of the

project revealed general support from the EC Members. However, Z. Smith on behalf of the NYISO expressed that the NYISO has fulfilled its interest in the project with the work accomplished to-date and will not participate in any follow-on next effort citing as one reason the availability of resources in general and the lack of system protection expertise within the NYISO. He expressed the view that the NYISO is not supportive of a mechanism that moves in the direction of controlled separation. The NYISO indicated it is willing to make data available. A discussion among the meeting participants regarding the NYISO obligations to support NYSRC activity ensued with no specific resolution. At the conclusion of the discussion C. Dahl identified that outside of the NYISO position, the general consensus of the EC was in favor of the development of a draft proposal for EC consideration at its next meeting on June 9, 2017. G. Smith is to reach out to the Transmission Owners, regarding project support in the area of system protection and to provide the Transmission Owners with information regarding budget. He will lead the development of a draft proposal for EC review at its next meeting on June 9, 2017. **AI 217-8.**

9. State/NPCC/Federal Activities

9.1. Provide update on State Resource Planning Analysis – No new update was provided (reference Agenda Item 2.2 above), however the EC agreed to accept as a substitute a copy of a presentation made to the NYISO in October to be distributed to the EC distribution list by the EC Secretary. Reference Agenda item 2.2 and **AI 217-1**

9.2. and 9.3 NPCC Board of Directors and NPCC Report – P. Fedora

P. Fedora reported on the recent NPCC Board of Directors Meeting on May 4 and noted several discussion topics. These include the 2018 NPCC Business Plan and Budget, the NPCC 2017 Summer reliability Assessment. The NPCC Board of Directors discussed the development of policy input to the NERC Board of Trustees. M. Forte committed to share the NPCC policy input to the NERC BoT with the EC. He reviewed certain planned NPCC Board of Directors agenda items including the action plan for the A10 methodology review, the Nova Scotia Maritime Link Project, and the Cyber Mutual Assistance project.

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 reported on the NYISO Planning processes. The 2016 Comprehensive Reliability Plan was approved by the NYISO Board in April. The CARIS Phase 1 team is working on benchmarking starting in June. There is an ongoing additional CARIS study responding to a request from PPL. The public policy transmission need projects include a report for Western New York which is scheduled for completion by the end of June. The report will include a ranking of projects (as required by the NYISO Tariff) along with a recommendation. Interaction with developers regarding the NYISO assessment will occur through the NYISO stakeholder process or direct communication on a project specific basis. B. Franey inquired regarding the steps that would occur after the NYISO Board approves the recommendation. Z Smith identified that the recommended project would then enter into a development agreement with the NYISO containing milestones such as filing an Article VII application with the NY PSC.

10.1.2. Z. Smith reported that the NY PSC issued an order directing the NYISO to continue to assess the AC public policy transmission need projects. The NYISOO will assess these projects after it completes its Western New York assessment. The NYISO has its independent transmission consultant to start their evaluation. The schedule will be later this year.

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

- 10.2.1. R. Mukerji reported that the locational Capacity requirements process evaluation continues and will be reported through ICS at a future time. He indicated Policy 5 will not be proposed to be change.
- 10.2.2. R. Mukerji reported on the Capacity Exports from localities effort as outlined in the written report. He reports that a tariff filing based on determinist treatment of exports and md the probabilistic modeling has been challenging. Tentative results indicate there is no real difference in results. A. Adamson questioned the phrasing in the NYISO report regarding the impacts on reliability. R. Mukerji indicated he would re-phrase his next report.
- 10.2.3. R. Mukerji reported that the NYISO continues to examine the impacts of DERs'. Stakeholder discussions have started. The ER
- 10.2.4. 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. Other options are being considered
- 10.2.5. PJM Pseudo-Tie Revisions – NYISO and the NYISO Market Monitor have protested the PJM Pseudo Tie filing with FERC.

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

- 10.3.1. W. Yeomans reviewed the performance information reported in Attachment #10.3 noting that there was a significant amount of wind curtailment in March. Summer ratings have been implemented effective May 1.

10.4. NYISO presentation on Emergency Transfer Declarations –_W. Yeomans

- 10.4.1. W. Yeomans offered to discuss the number of emergency declarations recently occurring in Western NY. He will prepare a review of the topic and committed to present the NYISO perspective at the RCMS. This discussion resolves AI 204-3.

11. NAESB Report – B. Ellsworth

- 11.1. There have been no NAESB Board meetings and no new activities to report.

12. Visitor comments

There were no visitor comments.

13. Adjournment of the EC Open Meeting

The open portion of Executive Committee Meeting #217 adjourned at 11:50 A.M. An Executive Session of the EC commenced directly after the open meeting adjournment.

14. Future Meeting Schedule

Meeting No.	Date	Location	Time
#218	June 9, 2017	Albany Country Club, Voorheesville, NY	9:30 AM
#219	July 14, 2017	NYISO, Rensselaer, NY	9:30 AM
#220	August 11, 2017	Albany Country Club, Voorheesville, NY	9:30 AM