

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 237
January 11, 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
George Loehr	Unaffiliated Member
Bruce Ellsworth, P.E.	Unaffiliated Member
George Smith, P.E.	Unaffiliated Member
Frank Pace	Central Hudson Gas & Electric – Member
Mark Domino, P.E.	National Grid, USA- Member – Phone
Tim Lynch	NYSEG and RG&E – Alternate Member - Phone
Bruce Fardanesh	New York Power Authority – Alternate Member
Curt Dahl, P.E.	PSEG-LI-Member*
Matt Schwall	Independent Power Producers of NY- Wholesale Sellers Sector– Member
Mark Younger	Hudson Energy Economics - Wholesale Seller - Alternate Member
Mike Mager	Couch White - Large Consumer Sector - 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 – Phone*
Howard Kosel	Con Edison – ICS Chair
Phil Fedora	Northeast Power Coordinating Council, Inc.
Leka Gjonaj	NY Department of Public Service
Commissioner Diane Burman	NY Public Service Commission
Carl Patka	New York Independent System Operator (NYISO)
Emilie Nelson	New York Independent System Operator (NYISO)
Zack Smith	New York Independent System Operator (NYISO)
Josh Boles	New York Independent System Operator (NYISO) –Phone*

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Henry Chao	Quanta Technology
Scott Leuthauser	Hydro Quebec US - Phone
Mathieu Plante	Hydro Quebec US - Phone
Mike Ruppert	JEM Engineering - Phone
Erin Hogan	NYS Department of State – Utility Intervention Unit - Phone
Herb Schrayshuen	Power Advisors, LLC – EC Secretary
Cori Tackman	Power Advisors, LLC- Phone
Rich Bolbrock, P.E.	

“*” Denotes part-time participation in the meeting

1. **Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 237 to order at 9:30a.m. on January 11, 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.
 - 1.2. **Requests for Additional Open Session Agenda Items** – none
 - 1.3. **Request for Executive Session Agenda Items** – Three topics were scheduled for the Executive Session Agenda and no additional items were added from the floor.
 - 1.4. **Report regarding interim ballot relative to the Selkirk Generation withdrawal of Notice to Mothball.**-R. Clayton reported that in the period since the prior EC meeting the EC considered the question of whether the IRM should be changed in light of the change in status of the Selkirk generating facility. The EC voted and unanimously decided that the IRM as determined in December should not be modified. The IRM for the 2019-202 capability period will remain unchanged at 17.0%.
 - 1.5. **Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts identified.

2. **Meeting Minutes/Action Items List**
 - 2.1. **Approval of Minutes for Meeting No. 236 (December 2018)** – Attachment #2.1 - H. Schrayshuen introduced the revised draft minutes of the December 8, 2018 Meeting which included all comments received prior to the due date for comments. There were no additional changes to the minutes. M. Domino made a motion to approve the minutes of Meeting #236. 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 #236 posted on the NYSRC website.
 - 2.2. **Review of Outstanding Action Items List** – Attachment #2.2 - H. Schrayshuen reviewed Attachment #2.2 noting the addition of a number of standing action items received from P. Gioia. The first nine action times are typically recorded at the beginning of each calendar year (AI 237 # 1 through 9).

3. **Organizational Issues**
 - 3.1. **Summary of Receipts & Disbursements**
 - 3.1.1. **Statement of Cash Receipts and Disbursements** – Attachment 3.1.1 - A. Adamson presented Attachment #3.1.1 – Statement of Cash Receipts and

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Disbursements for December 2018, noting the end of month balance of \$216,172.69. R. Clayton noting previous discussions tasked A. Adamson, M. Sasson as well as himself to develop a process for improving the budget planning for the 2020 budget. (AI 237-10). M. Sasson stated that A. Adamson has done a good job at predicting the actual expenditures but he would like to see the development of the budget to be more in line with expenses while allowing for the agreed contingency amount.

3.2. Unaffiliated Member Search – R. Clayton stated that George Loehr submitted notice of his plan to not seek another term after expiration of his current term. G. Loehr stated that he has enjoyed his service to EC. R. Clayton stated that with this notice the EC will be starting the search for the new unaffiliated EC member.

3.3. Code of Conduct Resolution – P. Gioia reminded the EC that it had passed a resolution requiring that everyone affiliated with the NYSRC to read, acknowledge and agree to comply with the NYSRC Code of Conduct. H Schrayshuen will distribute the Code of Conduct and acknowledgement forms. (AI-237-11) Subcommittee Chairs are responsible for following up with their respective committee members to obtain their acknowledgements.

3.4. Other Organization issues – P. Gioia stated that he has started the renewal process for the D&O insurance which is due to be renewed in April 2019. R Clayton stated that the EC will discuss future meeting location options in Executive Session.

4. Installed Capacity Subcommittee (ICS) Status Report/Issues – H. Kosel, ICS Chair

4.1. ICS Chair Report – Attachment #4.1 – R. Clayton recognized H. Kosel as the 2019 ICS Chair. H Kosel discussed Attachment #4.1 - ICS report on the January 2 meeting. The ICS task list for 2019 includes Energy Storage Modeling, External Area Updates, HQ Cedars Upgrade, HQ Wheel to the ISO-NE, Integration of Distributed Energy Resources, Load Shape Selection, Exports to ISO New England, and Public Appeals. R. Clayton mentioned that RRS is taking the lead on the Public Appeals numbers provided by the TOs for the IRM. There was extensive discussion regarding the NERC Reserve Margin reporting in its seasonal assessments. After discussion R Clayton requested that H. Schrayshuen to draft a letter to NERC on behalf of the NYSRC with input from R Clayton, P. Fedora, H, Kossel, NYISO and A. Adamson to address the NERC seasonal assessment reporting issue.. P. Fedora suggested that NYSRC have the letter ready for the NERC Reliability Assessment Subcommittee meeting on Feb 5 & 6. (AI-267-13)

4.2. Other ICS Issues – R. Clayton brought up for discussion at the request of A. Adamson regarding the need for a EC procedural direction on how to handle future situations when an event occurs that could impact that IRM after it approved by the EC. E. Nelson suggested that part of the procedure development should identify the purpose of the proposed action. E. Nelson also stated that there is a very small window of time for such action between the time the IRM is set and when the NYISO starts the process for determining LCRs to deliver to the NYISO Operating Committee January meeting. After discussing suggestions on how to draft a procedure, R Clayton asked for someone to take the lead on this procedure development. P Gioia, G. Smith E. Nelson, and C. Wentlent agreed to assist in developing a procedure for handling material change situations that could impact the

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IRM level after it was approved. (AI-237-14)

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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 RRS activity. There are no PRRs open for comment or up for approval. There are currently four PRRs under development. PRR 128 is being held until the completion of the NPCC A-10 Project. PRR 142 is intended to add clarification to the NYISO Transmission Planning Assessments to review SPS/RAS. PRR 143 is intended to consider a suggestion that RRS supply clarification to the Loss of Gas Supply (Fuel Storage/supply); PRR 144 is a clarification for restoration for outage coordination. There are no PRRs for comment or final approval. There are two PRRs open for discussion. RRS will continue to monitor ICS activity concerning the impact of DERs on the NYCA reliability and is discussing setting up a process for submitting Public Appeals estimates for use in the IRM calculation.

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5.2. List of Potential Reliability Rule Changes – Attachment #5.2 – R. Clayton reported that there are no updates to the report.

5.3 Other RRS Issues – R. Clayton stated that RRS is discussing improvements to NYSRC voting procedures for NERC standards ballots. RRS is also preparing its annual report. RRS discussed the NYSRC vs NERC seasonal assessment IRM assumptions. Refer back to agenda item #4.1 in the ICS report for the action proposed. RRS discussed NYSRC future involvement in DER activities. G. Smith will be the point person for NYSRC monitoring and representation in DER related matters.

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

6.1. RCMS Status Report – 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 November 2018.

6.2. RCMS Reliability Compliance Program –Attachment #6.2-R. Clayton reported that the scorecard is up to date and complete for 2018. R. Clayton noted that RCMS is developing the compliance program for 2019. This program will be finalized in the February RCMS meeting and will be presented to the EC in February 2019.

6.3. Other RCMS Issues - RCMS is working on its annual compliance report to be presented to the EC in February.

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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 Public Service Law Article VII transmission siting application for the Western NY Public Policy Transmission has been determined complete by the Public Service Commission. In reference to AC Transmission, on December 27, 2018 the NYISO is expected to issue a revised report. The NYISO Board is expected to select project T27 for segment A and recommended project T019 for segment B. These decisions were discussed with stakeholders at the TPAS meeting and a follow up meeting will occur the week of January 13, to answer stakeholder questions. The modified AC

Transmission Report will be reviewed at ESPWG moving on to the Management Committee for comments before going to the NYISO Board in March. Z. Smith stated that he will come back to EC in February to discuss any reliability issues with the proposed projects. (AI-237-15)

7.2. NYISO Markets Report – E. Nelson - Attachment #7.2 – E. Nelson presented on behalf of R. Mukerji and discussed attachment #7.2. The NYISO has completed its simulation of potential market conditions and initiated discussion on possible reforms with stakeholders. The NYISO is also looking at more granular operating reserves, ancillary services pricing, tailored availability metrics and external capacity performance and obligations. There has been interest with stakeholder and the NYISO to see if there could be progress on implementing a reserve requirement in the market to address the New York City reserves. In 2019, the NYISO is looking forward to bringing a set of rules incorporating DER into the energy and capacity market. The ruled for energy storage resources to be implemented is 2020.

7.3. NYISO Monthly Operations Report – E. Nelson - Attachment #7.3 – E. Nelson reviewed Attachment #7.3. For the month of December there was a Peak Load of 22,080MW. During the month of December, there were zero hours of thunderstorm alert and there were zero hours of NERC TLR level 3. There were two loss of load generator events. On December 10, the system experienced the loss of Kintigh. The reserve pickup was initiated at 08:39 and terminated 08:49. On December 12 the system had a loss at Sithe Independence and reserve pickup was initiated at 14:39 and terminated at 14:46. On December 4, the NYISO implemented an improved day ahead and real time energy market model for the Niagara Power Plant project and transitioned to directly securing the 115kv transmission facilities in the market. The NYISO has posted the calculated LCRs. With the IRM set at 17.0, the LCRs in each zone are G-J 92.3%, NYC 82.8%, and LI 104.1%. These will go to the NYISO Operating Committee for approval on January 15, 2019.

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8. Distributed Energy Resources (DER) – G Smith

8.1. Interconnection Technical Working Group (ITWG) – Attachment #8.1 – G.

Smith reviewed Attachment #8.1. The ITWG is a NYS working group co-chaired by NYSDPS and NYSERDA to discuss and resolve technical issues with regard to interconnection with inverter-based resources at the subtransmission and distribution levels. One take-away is that currently monitoring and control is not required by any of the utilities for generation sources less than 50kW. The NY utilities are working on monitoring and control equipment requirements and surveying various suppliers, with a goal of developing a least cost approach for various levels of generation. Future scheduled meeting dates are 2/20, 3/27, 4/24, 6/26 in 2019. P. Gioia suggested that any one attending meetings on DER representing the NYSRC make a point to take notice and keep in mind that they need to identify that DER will have a reliability impact on the bulk power system.

G. Smith noted there is a NERC committee on DER – System Planning Impacts of DER (SPIDER), focusing on modeling verification, system studies and coordination. R Clayton mentioned that Guy Zito at NPCC is forming a DER group also.

8.2. Other DER Issues – None to report.

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9. Environmental Status Report/Issues – Attachment #9.1 - C. Wentlent

C. Wentlent reviewed attachment #9.1. New Jersey has decided to go forward with RGGI. RGGI has scheduled a webinar on January 31. C Wentlent stated that adding New Jersey or Maryland will not impact New York’s planned RGGI allowance allocation per discussions with the New York State Department of Environmental Conservation (NYSDEC). he will find out if there is impact on New York due to New Jersey joining RGGI. (AI-237-16) The Integrated Public Policy Task Force has ended in December. The carbon pricing proposal has shifted to the Market Structure Working Group (MIWG) and a 2Q 2019 NYISO stakeholder vote at the Business Issues Committee (BIC) is still expected. NYSDEC is expecting to propose Peaker Turbine Air Quality rulemaking documents early this year and that Part 251 Coal Regulations, recently subject to stakeholder comment, is still under review and expected to be finalized in 2019. NYSDEC is expecting to finalize these rules in calendar. Distributed Generation Rule – Part 221 is currently going through executive review and then it will go to the Governor’s office. The goal is to finalize this standard in the 2019 summer/early fall timeframe. The next meeting is scheduled February 21, 2019.

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

A Adamson discussed attachment #10.1. R Clayton Report on the RRS discussion of the voting procedure. M Sasson stated that he was not comfortable with the approach proposed and suggested that a task force consisting of himself, R. Clayton, and A Adamson develop guidance and wording to improve the voting procedure. (AI-237-17)

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11. Reliability Initiative – G. Smith, G. Loehr – Attachment #11.1 - G. Smith

mentioned there was a meeting on December 18, 2018. The main topic was debugging the base case. Simulation results for one extreme contingency were similar to those obtained in MDMS1 adding a degree of validation to the base case. Simulation results were obtained both with and without inverter based resources. Those results are being analyzed. There was also a simulation on the NE Interconnection. Those results are also being analyzed. G. Smith very briefly summarized these "late breaking" simulation results obtained during the week and will present an overview at the next meeting. The group is moving onto Task 3, Instability Detection Algorithm and Mitigation Measures development.

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12. State/NPCC/Federal Activities – P. Fedora

12.1. NPCC Report – P. Fedora stated that NPCC Board will meet Jan 30, 2019. Agenda topics included NERC Policy input, Proposed 2019 Corporate Goals (Reliability Objectives), the draft 2019-2022 NPCC Strategic Plan and recommended 2018 NPCC Corporate Goal Attainment.

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12.2. NERC Report – P. Fedora mentioned that the NERC Member Representatives Committee (MRC) met January 9, 2019 and there was a discussion regarding the 2019 ERO Enterprise Dashboard and Performance Objectives. NERC also presented their proposed special reliability assessment study on the integration of battery storage; NERC will be looking for MRC feedback. H Schrayshuen, will distribute slides and other meeting material for EC to review. (AI-237-18). A suggestion was made to submit policy input to NERC on the battery storage special

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assessment. H. Schrayshuen to develop a draft policy input submittal for R. Clayton's consideration.(AI 237-19)

12.3. State Activities – R. Clayton stated that one of his responsibilities is to participate in a T&D Reliability study. NYSERDA released the 2018-20 T&D Reliability Study Update draft report was issued in December 2018. The report looks at the state of the T&D systems, and reliability issues. R. Clayton will distribute the link to the report when it is available. (AI-237-20)

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13. NAESB Activities – B. Ellsworth

13.1. NAESB Bulletin –.NAESB Board met on December 13, 2018 – FERC accepted some of the voluntary standards that NAESB developed. WECC gave a presentation on the gas-electric interface. H. Schrayshuen will distribute the link to the meetings and presentation. (AI-237-21)

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14. Visitor Comments – There were no visitor comments

15. Adjournment of the EC Open Meeting

Executive Committee Meeting #237 was adjourned at 11:55A.M.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#238	February 8, 2019	Conference Call	9:30 AM

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Results more simulations done in the base case results were similar to MSDS 1. There were simulations done with the removal of inverter-based resources and the adding the inverter-based resources.

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