

**Draft Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 253**  
**May 8, 2020**  
**Conference Call**

**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 – EC Vice Chair
Rich Bolbrock, P.E.	Unaffiliated Member
Bruce Ellsworth, P.E.	Unaffiliated Member
Steve Whitley	Unaffiliated Member
Frank Pace	Central Hudson Gas & Electric – Member
Deidre Altobell	Consolidated Edison Co. of NY, Inc – Alternative Member*
Mark Domino, P.E.	National Grid, USA – Member
Tim Lynch	NYSEG and RG&E – Member*
Rick Brophy	NYSEG and RG&E – Alternate Member*
Bruce Fardanesh	NYPA – Member
Arif Hossain	<u>NYPA – Alternate Member</u>
Curt Dahl, P.E.	PSEG-LI– Member*
Mike Mager	Couch White-Large Customer Sector – Member
Matt Schwall	Independent Power Producers of NY - Wholesale Sellers Sector – Member
Mark Younger	Hudson Energy Economics – Wholesale Sellers Sector – Alternate Member
Chris Wentlent	Municipal & Electric Cooperative Sector – Member

**Other Attendees:**

Paul Gioia Esq.	Whiteman, Osterman & Hanna, LLP – NYSRC Counsel
Al Adamson	NYSRC Treasurer and Consultant
Ruby Chan	Central Hudson Gas and Electric – ICS Chair
Greg Drake	NYRSC ICS Consultant
Diane Burman	NY Public Service Commission
Phil Fedora	Northeast Power Coordinating Council, Inc.
Josh Boles	New York Independent System Operator
Nate Galbraith	New York Independent System Operator
Aaron Markham	New York Independent System Operator
Rana Mukerji	New York Independent System Operator
Carl Patka	New York Independent System Operator
Robb Pike	New York Independent System Operator
Zach Smith	New York Independent System Operator
Wes Yeomans	New York Independent System Operator
Herbert Schrayshuen	Power Advisors, LLC – EC Secretary
Guy Zito	Northeast Power Coordinating Council, Inc.
Howard Kosel	Consolidated Edison Co. of NY, Inc*
Martin Paszek	Consolidated Edison Co. of NY, Inc*
Erin Hogan	DOS-Utility Intervention Unit*
John Cordi	<u>NYPA*</u>
<del>Arif Hossain</del>	<del>NYPA*</del>
Dan Mahoney	<u>NYPA*</u>
Ed Schrom	Observer

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M. Ruppert JEM Engineering

Cori Tackman Power Advisors, LLC

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

**1. Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 253 to order at 9:30 a.m. on May 8, 2020. An initial quorum of 12 Members and Alternate Members of the NYSRC EC was established.

- 1.1. Identification of Visitors** – Visitors on the phone were identified.
- 1.2. Requests for Additional Open Session Agenda Items** – No additional agenda items were requested, H. Schrayshuen noted that a new attachment #4.2 was added to agenda.
- 1.3. Request for Executive Session Agenda Items** – No agenda items were requested.
- 1.4. Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts of interest.

**2. Meeting Minutes/Action Items List – H. Schrayshuen**

**2.1. Approval of Minutes for Meeting No. 252 (April 2020) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the April 9, 2020 meeting, which included all comments received as of May 1, 2020. No additional changes were requested. R. Bolbrock made a motion to approve the minutes of Meeting #252. The motion was seconded by F. Pace and unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #252 posted on the NYSRC website.

**2.2. Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen reviewed and updated the action item list with meeting attendees’ input. Z. Smith reported on Action Item 250-5, stating that the NYISO will be utilizing the DER\_A model in the RNA primarily for the 70x30 scenario.

**3. Organizational Issues**

**3.1. Summary of Receipts & Disbursements – A. Adamson**

**3.1.1. Statement of Cash Receipts and Disbursements – A. Adamson -**

**Attachment #3.1.1** - A. Adamson presented Attachment #3.1.1 – Statement of Cash Receipts and Disbursements for March 2020, noting the end of month balance of \$221,000.23 which includes a member prepayment. As of May 8, 2020, there is one outstanding payment for the 2<sup>nd</sup> quarter call for funds and the member received a reminder.

**3.2. Other Organizational Issues** – M. Sasson gave a presentation on budgeting for contingencies to assist with the upcoming budget planning discussion in the EC Executive Session. There were a number of comments on whether a contingency should be included in the budget. The discussion was tabled to for consideration in a future EC Executive Session.

T. Lynch joined the call bringing the EC members in attendance to 13.

**4. Installed Capacity Subcommittee (ICS) Status Report/Issues – R. Chan, ICS Chair**

- 4.1. ICS Chair Report – Attachment #4.1** – R. Chan reviewed attachment #4.1 – Summary of ICS meeting #231 on April 28, 2020. R. Chan stated that during its meeting ICS completed two white papers now ready for EC approval as discussed in more detail in sections # 4.1.1 and #4.1.2 below.

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R. Chan reported that the NYISO discussed the Load Forecast Uncertainty (LFU) model for the 2021 IRM study. The conclusion is that the LFU increases in all zones except Zone K. J. Boles stated that currently the model shows an upward pressure on the IRM. The NYISO will be working with the model to identify the factors driving the IRM increase. The purpose for bringing the topic to the EC meeting was to set the stage for future LFU discussions.

~~ICS~~ ~~ICS has begun~~ ~~began~~ work on the 2021 IRM draft assumptions matrix and the 2021-2022 IRM Preliminary Base Case.

R. Chan also stated that the ICS made some website improvements to categorize the white papers by topic and will be doing the same with the library of presentations on the website. H. Schrayshuen stated that the change is an improvement.

#### **4.1.1. Study Year Issue Recommendation – R. Chan - Attachment #4.1.1**

– R. Chan reviewed attachment #4.1.1 stating the white paper covers using the enhanced stimulation year parameter with the GE MARS program. There appears ~~to still~~ ~~to~~ be volatility that occurs when changing the stimulation year. ICS recommends holding the simulation year at 2019 to mitigate unexpected LOLE variability in the 2021-2022 IRM Study. S. Whitley asked is there was strong support from ICS. R. Chan confirmed ~~that~~ the ICS and NYISO strongly ~~supports~~ ~~support~~ the stated conclusion. M. Domino made a motion to approve the study year recommendation for the 2021-2022 IRM study. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance. (13-0)

#### **4.1.2. Correlation of Intermittent Resources – R. Chan – Attachment #4.1.2**

– R. Chan stated the study tests the correlation between on-shore wind, FTM solar PV, landfill gas and run-of-river hydro to determine whether correlation exists and, if so whether such correlation is important to model in the IRM Study. ICS recommends that the 2021-2022 IRM adopt the practice of including coincidence of ~~Front of the Meter~~ (FTM) solar PV and onshore wind data. R. Chan stated that this recommendation is fully supported by ICS and the NYISO. M. Mager ~~stated~~ ~~made a point to state~~ that as more data is collected regarding off shore wind it will be important to examine the relationship between off-shore wind availability and on-shore wind availability. F. Pace made a motion to approve the recommendation from ICS regarding the practice of including coincidence of FTM solar PV and on-shore wind data to be included in the 2021-2022 IRM Study. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance. (13-0)

#### **4.1.3. Evolution of LFU Models – R. Chan - Attachment #4.1.3**

– R. Chan noted that Attachment #4.1.3 was presented for informational purposes to support an additional white paper on Load Forecast Uncertainty for the 2021-2022 IRM study. R. Chan also stated the conclusion of the presentation provided by J. Adams is that ~~that~~ over the years the system is becoming more weather sensitive. ICS recommends for ~~the~~ 2021-2022 IRM study that the development of the LFU distribution undergo an in-depth review as a white paper. A scope will be presented in the next few months.

#### **42. Guidelines to the ICS from the High Renewable Study – M. Sasson/H. Kosel -**

**Attachment #4.2** – M. Sasson and H. Kosel presented a review of the High Renewable Impact White paper. There was continuing discussion including

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researching how NERC is looking at renewable sources in its Reliability Assessments. S. Whitley stated that he has noticed that some market pricing is so low that some wind farms stopped maintaining generating equipment. M. Sasson stated that as conventional generation retires it might be hard for the state to meet the 0.1 day per year Loss of Load criteria. R. Clayton stated that this presentation addresses the first recommendation from the High Renewable Paper. The EC would like to have the ICS report back ~~to the~~ on the suggestions discussed in this presentation paper. (AI-253-1)

**43. Other ICS Issues – None to report.**

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

**51. RRS Status Report Discussion Issues – Attachment #5.1-** R. Clayton reported on attachment #5.1 providing a summary of RRS meeting #249, which took place on April 30, 2020. There is one PRR~~s~~ under development, PRR 128, Definition of the Bulk Power System. This PRR was on hold pending the A-10 Revision~~s~~; RRS is requesting EC approval to post the PRR for comment. PRR 148 is posted for comment, currently no comments were received. RRS is also requesting EC ~~f~~Final ~~a~~Approval on PRR 146, Transmission System Interconnection Special Study Assessments.

**52. List of Potential Reliability Rule Changes – Attachment #5.2 –** R. Clayton stated that the table in Attachment #5.2 is up to date.

**5.2.1. Approval of PRR #128 to Post for Comment – Attachment #5.2.1 –**

**EC Approval Item –** R. Clayton stated RRS is asking for the EC to approve PRR #128 to be posted for comment. R. Clayton stated this PRR was tabled due to the A-10 revision. The reason for the change is to coordinate with NPCC A-10 revision. This is not a rule change but a glossary definition change~~s~~, and due to the importance of it RRS decided to have it go through the rule making process. M. Domino made a motion to approve PRR 128 to be posted for comment. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (13-0).

**5.2.2. PRR 146 B.4 Transmission System Interconnection Special Study**

**Assessments – Attachment #5.2.2 – EC Final Approval Item –** R. Clayton stated that this PRR was posted for comment. One comment was received and answered. RRS does not believe the PRR needs to be reposted because the comment was in the nature of clarification~~s~~, ~~nature~~. M. Domino made a motion to approve PRR #146 as a final rule. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance (13-0).

**53. Other RRS Issues –** R. Clayton stated RRS is continuing to develop a Risk Tracking Matrix. R. Clayton also noted the following RRS personnel changes. Abhilash Masannagari was appointed by the RRS as voting Member from NYPA and Frank Grimaldi will be the Alternate Member. Martin Paszek from Con Edison will be the new RRS Vice Chair.

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

**61. RCMS Status Report – Attachment #6.1 -** R. Clayton reported on attachment #6.1, a summary of the RCMS Meeting #243 held on April 30, 2020. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS

BPS (C8: R1) for March 2020. The RCMS found the NYISO in full compliance for LIPA Loss of Gas Procedures and Actions (G.3:R.2) and Con Edison was in full compliance with Identification of Eligible Black Start (G.4:R.2)

**62. 2020 Reliability Compliance Program – R. Clayton - Attachment #6.3 – R. Clayton** stated that the compliance scorecard is up to date.

**63. Other RCMS Issues – R. Clayton** stated that RCMS did reach out to the NYISO to see if any adjustments were needed to the 2020 Reliability Compliance Program due to the COVID-19 pandemic. W. Yeomans stated the NYISO appreciates the request but at this time there are no changes needed. Reliability remains the number one focus.

## **7. NYISO Status Reports/Issues**

**71. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1 –**

Z. Smith reported that the 2020 RNA is underway. On April 30, 2020 FERC accepted the NYISO's tariff amendments creating a Short-Term Reliability Planning Process which replaced the Generator Deactivation P~~p~~rocess. The change has a May 1, 2020 effective date. The NYISO will now perform quarterly Short-Term Assessments of Reliability (STAR) studies. The first study will be issued mid-October. The STAR studies, will be using the same methodology as the RNA studies by using Resource Adequacy and Transmission Securities. The approach will be similar to the Annual Transmission Review (ATR).

Z. Smith stated that the 2019 Economic Planning Process (CARIS) process is underway which includes a 70% by 2030 renewable generation resource scenario. The NYISO is refining their modeling to highlight and resolve transmission constraints. The information produced in CARIS will be used in the RNA 70x30 scenario, which will help inform the NYSRC EC and other policy makers. The next IPSAC meeting will be held on May 15, 2020.

**72. NYISO Markets Report – R. Mukerji - Attachment #7.2 – R. Mukerji** reviewed attachment #7.2 stating the NYISO Management Committee approved a proposal to tailor availability factors for performance during critical operating times based on past performance. Work within the NYISO is continuing with the Brattle to provide stakeholders with more information about the potential transition the power system will undergo over the next 20 years. The NYISO will present the findings on the Brattle Group work at a future EC meeting. (AI-253-2). M. Schwall asked for confirmation on the Energy Storage Resource tariff implementation date. R. Mukerji stated the NYISO is working toward a June implementation date. If it does not occur in June then the change would not be implemented until September. NYISO will issue a notice if the changes are completed for June.

**73. NYISO Monthly Operations Report – W. Yeomans – Attachment #7.3 –**

W. Yeomans stated that during the month of March there was Peak Load of 16,595 MW on April 16, 2020. There were .53 hours of Thunder Storm Alerts and no hours of NERC TLR level 3 curtailment. Overall load is down throughout the state.

W. Yeomans presented an update on the steps the NYISO is taking to mitigate COVID-19 risk. The NYISO released the sequestered midnight operator shift. Currently there are two full day operator shifts still sequestered. The NYISO has been in constant weekly and or daily communication with Generators Operators, and Transmission Owners to identify any risks and mitigate them. Coordination

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efforts have been successful.

Indian Point 2 retired April 30, 2020 and Cricket Valley is now fully commissioned. R. Clayton asked for the documentation from Entergy stating that Indian Point 2 is retired.

**7.3.1. NYISO Report regarding Grid in Transition report update – W.**

**Yeomans - Attachment #7.3.1 - W.** Yeomans presented attachment #7.3.1.

There was an open discussion on the presentation. R. Clayton asked if there is a report that discusses the planning issues with the Grid in Transition. Z.

Smith stated that Planning is working on the Climate Change Impact and Resilience Study. Z. Smith stated that this is a multi-year multi-phase study.

He will be presenting on Phase 1 of the study to the ~~the~~ EC in June, and will discuss Phase 2, which will also be presented to the EC upon completion. (AI-253-4)

**8. Distributed Energy Resources (DER) – R. Clayton-**

**8I. DER Report – R. Clayton - Attachment #8.1 – R.** Clayton reported on attachment #8.1. S. Whitley asked whether the topic of DER operational management is being discussed. R. Clayton stated that there are guidance documents but the technology is not advanced enough to set standards. TOs and/or ISOs will incorporate guidance documents and add them to their interconnection standards. T. Lynch noted that the NYITWG is a collaborative working group and they are focusing on the rules for interconnecting. As he understands it, once the DER is connected it will be up to the TOs and other authorities to adopt operating management guidelines. R. Clayton stated he will continue to cover DER for the time being.

**9. Environmental Status Report/Issues – C. Wentlent – C.** Wentlent stated the next NYSRC/NYSDEC conference call will be held on May 14, 2020. The DEC recently released their proposed regulatory changes for Part 242 for comment. Public comments will be due June 29, 2020.

**10. Resource Adequacy Working Group – C. Wentlent**

**10I. Resource Adequacy Metrics Report – C. Wentlent - Attachment #10.1 – EC Approval Item - C.** Wentlent stated that the comments were received and incorporated into the final Resource Adequacy Metrics Report. C. Wentlent thanked the members of the Working Group and the commenters. The next steps after the approval of the report would be to have a meeting with the NYISO to finalize the next steps outlined in the document. R. Bolbrock made a motion to approve the Resource Adequacy Metrics Report. The motion was seconded by B. Ellsworth and unanimously approved by the EC members in attendance (13-0). C. Wentlent will setup a meeting with the NYISO and the Working Group members. (AI-253-6) A. Adamson will post the report on the NYSRC website. (AI-254-7)

**11. NERC/NPCC Standards Tracking – A. Adamson – Attachment #11.1**

**11I. NERC Standard Tracking – A. Adamson – Attachment #11.1 – A.** Adamson stated the NYSRC voted “positive opinion” on NERC standards for Technical Rational for Reliability Standards, BAL-005-1, EOP-008-1, NUC-001-3, TOP-003-3, TOP010-1, PRC-005-6, PRC-006-3, PRC-006-SERC-02, and VAR-501-WEC-3.1. The NYSRC

also voted affirmative on Standard Modifications - CIP-002-6. The NYSRC voted “negative” on Cyber Security Supply Chain Risks Initial Ballot – CIP-005-7, CIP-010-4 and CIP-013-2. An email will go out requesting input for voting input on Establish and Communicate Operating Limits: FAC-011-4, FAC-014-3, CIP-014-3, FAC-003-5, FAC-013-3, PRC-002-3, PRC-023-5, PRC-026-2, IRO-008-3, TOP-001-6.

**12. State/NPCC/Federal Activities – M. Sasson/P. Fedora**

**121. NPCC Report – M. Sasson** – M Sasson stated the NPCC Board of Directors met on May 6, 2020. M. Sasson stated the NPCC Board of Directors reviewed the NPCC Summer Assessment. There was also discussion on a NERC project entitled Align, with an effective date of 1<sup>st</sup> quarter of 2021 to roll out. The Align pProject will create a single common portal for compliance related data and establish consistent experience for registered entities. There are a number of concerns from NERC members regarding the security of critical infrastructure related information within the compliance data.

P. Fedora added that the draft 2021 - NPCC Business Plan and Budget will be posted on the NPCC website for comment until May 29. It will be presented to the NPCC Board of Directors for final approval in June 2020 meeting. NPCC held a NPCC Summer Assessment media event on May 7, 2020. NPCC determined that there are sufficient capacity margins to meet reliability requirements during the summer months. P. Fedora did note the summer weather forecast shows a hotter than normal summer is being predicted.

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~~NERC Report – P. Fedora – P. Fedora reported the draft 2021 NPCC Business Plan and Budget. The draft will be posted on the NPCC website for comment until May 29. It will be presented to the NPCC Board of Directors for final approval for the June meeting. NPCC had a Summer Assessment media event on May 7, 2020. NPCC has determined that the there are enough generating resources to meet reliability requirements during the summer months. P. Fedora did note the summer weather forecast shows a hotter than normal summer is being predicted.~~

~~NERC is working on their draft of their Summer Reliability Assessment. The NERC Planning Committee is looking to approve the Summer Reliability Assessment and State of Reliability Report before the PC’s termination on June 1, 2020. After June 1, 2020 the new Reliability Security and Technical Committee (RSTC) will be replacing the NERC PC, OC and CIPC collectively.~~

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**122. NERC Report – P. Fedora** – P. Fedora reported that NERC is working on their draft of their Summer Reliability Assessment. The NERC Planning Committee is looking to approve the Summer Reliability Assessment and State of Reliability Report before the PC’s termination on June 1, 2020. After June 1, 2020 the new Reliability Security and Technical Committee (RSTC) will be replacing the NERC PC, OC and CIPC collectively.

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**123. Presidential Order – Securing the US Bulk – Power System – R. Clayton** – R. Clayton stated that the Presidential Order implementation is under DOE control and that the Order states that the bulk power system must use components manufactured in the United States. The Order discusses a task force to plan for implementation within a year. The Order highlights bulk-power system electric equipment but does not discuss software. R. Gonzales stated that there were early drafts of this Order reviewed by the NYISO. The NYISO is currently assessing the impacts of the Order. The NYISO does not have power delivery equipment besides its Energy

Management Systems. The NYISO CIO ~~investigating~~ is investigating any software or hardware implications created by the Order. The TO<sup>2</sup>s stated that they are currently doing their own assessments. H. Schrayshuen stated there is mention in the order about going back to look at items that are already installed. M. Schwall stated that the Order is written in very broadly and that there are a number of questions about this Order. M. Sasson stated that it looks to him that looks like an Order that will produce future Orders which will get more prescriptive in the future. C. Wentlent suggested that the Order stays on the EC agenda as an ongoing agenda item. R. Clayton stated that the Order should stay on the agenda. R. Gonzales stated that there will be a coordinating effort and the RTO/ISOs and that the Order related activity does need to be monitored. R. Clayton stated that the NYISO and the TO<sup>2</sup>s should report on their response to this order on a monthly basis. (AI-253-5)

**13. NAESB Activities – B. Ellsworth** – B. Ellsworth reported that annual meeting was cancelled due to COVID-19.

**14. Visitor Comments** – R. Clayton noted today is the 75<sup>th</sup> Victory in Europe Day signifying the end of WWII.

**15. Adjournment of the EC Open Meeting**  
The Open Executive Committee Meeting #253 was adjourned at 1:13pm.

**16. Future Meeting Schedule**

Meeting	Date	Location	Time
#254	June 12, 2020	To be announced	9:30 AM