

**Minutes**  
**New York State Reliability Council, LLC (NYSRC)**  
**Executive Committee (EC) Meeting No. 231**  
**July 13, 2018**  
**Colonie Golf and Country Club**  
**141 Maple Road, Voorheesville, NY**

**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, EC Vice Chair
George Loehr	Unaffiliated Member
George Smith, P.E.	Unaffiliated Member
Bruce Ellsworth, P.E.	Unaffiliated Member
Tim Lynch	NYSEG and RG&E – Member
Mark Domino, P.E.	National Grid, USA-Alternate Member – Phone
Sunil Palla	New York Power Authority – Member – Phone
Mike Mager	Large Consumer – Member
Matt Schwall	Wholesale Seller – Member
Mark Younger	Wholesale Seller – Alternate Member
Chris Wentlent	Municipal & Electric Cooperative Sector – Member

**Other Attendees:**

Paul Gioia, Esq.	Whiteman, Osterman & Hanna, LLP – NYSRC Counsel
Mariann Wilczek	PSEGLI – ICS Chair & EC Proxy for PSEGLI
Carl Patka	New York Independent System Operator (NYISO)
Emilie Nelson	New York Independent System Operator (NYISO)
Josh Boles	New York Independent System Operator (NYISO)- Phone
Zack Smith	New York Independent System Operator (NYISO)
Rana Mukerji	New York Independent System Operator (NYISO – Phone
Dana Walters	New York Independent System Operator (NYISO)
Chris Hall	New York State Energy Research and Development - Phone
Phil Fedora	Northeast Power Coordinating Council, Inc.
Herb Schrayshuen	NYSRC EC Secretary
Henry Chao	Quanta Technology
Rich Bolbrock, PE	

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

- 1. Introduction** – R. Clayton, EC Chair called the NYSRC Executive Committee Meeting No. 231 to order at 9:30 a.m. on July 13, 2018. A quorum of 12 Members and Alternate Members of the NYSRC EC was established.
  - 1.1. Visitors** – The attendees on the phone and visitors were identified.
  - 1.2. Requests for Additional Agenda Items** – There were no additions to the Agenda

- 1.3. **Report on Previous Executive Session Topics** – R. Clayton reported that in the prior Executive Session on June 8, 2018, there was discussion and approval of the compensation policy and structure for 2019.
- 1.4. **Requests for Executive Session Topics** – The Executive Session topic was planned to be a continuation of the discussion regarding the NYSRC compensation guideline.
- 1.5. **Declarations of Potential “Conflict of Interest”** – There were no declarations of potential conflicts of interest reported by the unaffiliated EC members.

## 2. Meeting Minutes/Action Items List

- 2.1. **Approval of Minutes for Meeting No. 230 (June 8, 2018)** – H. Schrayshuen introduced the revised draft minutes of the June 8, 2018, EC Meeting (Attachment #2.1) which included all comments received prior to the due date for comments. P. Gioia made a clarification to Item 10 – Reliability Initiative stating that an Officer of each company will submit the new NDA for their organization. B. Ellsworth made a motion to approve the minutes of Meeting #230 as modified. The motion was seconded by G. Smith and unanimously approved by the EC members in attendance (12 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #230 posted on the NYSRC website.
- 2.2. **Review of Outstanding Action Items List** – H. Schrayshuen presented the Action Item List in Attachment #2.2 stating that there are only two open action items that are on-going. P. Gioia stated he was unsure if action item #227-2 should be a continuing action item. After further discussion, it was determined that action item #227-2 would remain on the action item list.

## 3. Organizational Issues

### 3.1. Summary of Receipts & Disbursements

- 3.1.1. **Statement of Cash Receipts and disbursements** – R. Clayton presented Attachment #3.1.1 - Statement of Cash Receipts and Disbursements for June 2018 noting the end of month balance of \$252,451.46. There were no questions or comments on the report.
- 3.1.2. **Proposed 2019 Budget** – Attachment #3.1.2 – R. Clayton presented the proposed budget for 2019. G. Loehr made a motion to approve the proposed 2019 budget. The motion was seconded by B. Ellsworth and unanimously approved by the EC members in attendance (12 - 0).

- 3.2. **Other Organization issues** – P. Gioia noted that Tim Lynch was selected to represent NYSEG and RG&E on the EC. After a discussion of T. Lynch’s credentials, a motion was made to approve T. Lynch’s appointment to the EC by M. Domino. The motion was seconded by G. Smith and unanimously approved by the EC members in attendance (12 - 0).

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

- 4.1. **ICS Chair Report** – Attachment #4.1 – M. Wilczek reported on the ICS Chair Report summarizing the ICS meeting on 6/27/2018. M. Wilczek reported that the NYISO began the discussion with the ICS regarding an updated approach to developing load shapes. The NYISO is planning to use a modeling approach instead of using previous load shapes from historical data. This project’s timeline is 3-5 years.
- 4.2. **2019 Assumptions Matrix** – Attachment #4.2 – M. Wilczek reported that the ICS has approved the assumptions matrix that will be used in the preliminary base case and are now looking for EC approval. M. Wilczek reviewed attachment 4.2. R. Clayton asked about the sensitivities that will be included in the study. M. Wilczek stated that the sensitivity discussion will occur at the next EC meeting. After review and discussion, C. Wentlent made a motion to approve the 2019 Assumption Matrix. The

motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (12 - 0).

**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 the status of the RRS activity and the status report. There is currently one PRR (#128) - under development. PRR 128 remains on hold until the completion of the NPCC A10 Project. There are no PRRs open for comment or up for approval. There was one topic up for discussion, “Inverter Technology Providing Reserves.” In a presentation by the NYISO, the RRS was informed that both NPCC and the NYISO have testing procedures for verifying ten-minute reserves. If the generating facilities (including inverter based resources) in question meet the requirements of these tests, then they should be considered an acceptable source for ten-minute reserves. The RRS agreed that if the devices pass the test they would be allowed. RRS tabled any NYSRC Rule Manual/wording changes until the NYISO tariff change was approved by FERC. C. Patka confirmed that the -tariff change was accepted by FERC on May 30, 2018.
- 5.2. New/Revised Reliability Rules Outstanding – Attachment #5.2 –** R. Clayton reported that there are no updates to the report.
- 5.3 Other RRS Issues –** There was a discussion of the DER Workshop topics which are detailed in agenda item 7 below. P. Gioia stated that version 43 of the NYSRC Reliability Rules and Compliance Manual was filed with the NYPSC.

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

- 6.1. 2017 Reliability Compliance Program – Attachment #6.1 -** R. Clayton reported that RCMS found the NYISO in full compliance for Real-Time Operations of the NYS BPS May 2018. RCMS also found the NYISO in full compliance regarding the 20018-2020 NYCA Resource Adequacy Assessment, NYISO 2018 Fault Current Assessment, and the Equipment Owner Fault Current Assessment.
- 6.2. RCMS Status Report –Attachment #6.2 –** no additional comments were made.
- 6.3. Other RCMS Issues -** RCMS has continued the discussion of the NYISO PRR144 implementation requirements. Prior to approval, the NYSRC would like to have the NYISO certify the conclusion the new methodology for calculating minimum LCRs will comply with the NYSRC Reliability Rules. The NYISO submitted a filing to FERC for approval and FERC responded with a deficiency letter on July 12, 2018, asking for more details. The NYISO stated that they would have a response to the EC by the August 2018 meeting and C. Patka stated that due to the timing of the FERC letter and the EC meeting he would not speculate any answers to the FERC’s inquiry. If anyone on the EC has questions on the deficiency letter it is suggested that they email C. Patka. The NYISO will provide a timeline for the next steps in the matter to the EC. **(AI# 231-1)**. Additionally, the NYISO will send the EC a copy of its response to FERC. **(AI #231-2)**

**7. Distributed Energy Resources (DER) – R. Clayton**

- 7.1. DER Workshop Plans - Attachment #7.1 –** R. Clayton stated the scope is unchanged and meeting preparations are underway. R. Clayton reviewed attachment #7.1.1 – May 2018 SIR Queue Data from the DPS. P. Gioia mentioned that FERC has initiated a proceeding on its own motion regarding PJM to determine how facilities with out of market payments are affecting capacity prices. He inquired whether NYISO is a party to this proceeding and if so requested the NYISO to forward a copy of the filing **(AI #231-3)**.
- 7.2. Other DER Issues –** R. Clayton mentioned that National Grid has a pilot program in Buffalo, for a transactive active energy marketplace which is part of the REV program.

- 8. Environmental Status Report/Issues** – C. Wentlent – Attachment #8.1 – C. Wentlent reviewed attachment #8.1 noting the highlights of the report. He reported that both NJ and VA are participating in RGGI. Timing may be different for each state. Regarding the NY Carbon Pricing initiative, the NYISO conducted their project prioritization exercise and concluded that carbon pricing in the wholesale energy markets is a high priority. The NY DEC has released its proposed CO<sub>2</sub> Regulations for comment. The comment period ends July 29, 2018. He noted that the DPS will be hosting a technical conference regarding electric vehicle supply and infrastructure for NYC. He noted also that the comment period of the Peaker Turbine Air Quality rules closed on July 10, 2018. The next meeting with the NYS DEC is August 16, 2018.
- 9. NERC/NPCC Standards Tracking** – **R. Clayton** - Attachment #9.1. R. Clayton – There were no updates to the report from the June EC meeting. There were no additional questions or comments.

**Reliability Initiative** – **G. Smith, G. Loehr** – G. Smith provided an update regarding the NDA status, noting that five out of six TOs have NDAs in place. He reported that Quanta will be using a Real Time Digital Simulator (RTDS), for modeling future major disturbances. H. Chao from Quanta provided an overview of the RTDS. Quanta is running contingency cases on the MDMS1 base case from the NYISO for consistency. S. Palla inquired as to when data requests were going to be sent from Quanta to the TOs. G. Smith said very quickly after the all the NDAs are signed.

**10. State/NPCC/Federal Activities** – **P. Fedora**

- 10.1. NPCC Report** – NERC recently held a workshop on July 10, 2018, on Gas Infrastructure Risk and Associated Recommendations Technical Workshop. Jim Robb, the new CEO of NERC, stated that NERC is looking at the need for essential fuel services as well as the other essential reliability services. The DOE offered their position, that fuel adequacy is just one risk that needs to be considered along with other risks such as, weather disruptions, physical security, cyber security, and other industry interdependencies. DOE also mentioned the need to respond and reactivate the system quickly when an event occurs. A panel discussed current studies with ERAG representatives mentioning a study that they will be undertaking in response to NERC’s severe disruption of the gas system report that was released in November 2017. There is an ERAG survey out to see what studies are active or have been done recently so gaps are filled in and to assure that studies are not replicated. EIPC described their study of severe disruptions of the gas system, how those disruptions affect the electric systems and how disruptions in the electric system disrupt the gas system. WECC did a study on the western interconnection risks, mentions storage and how their gas network is set up to support the west. The Western Interconnection Gas-Electric Interface Study is on the WECC website ([Link](#)). There were representatives from the Gas Industry who stated that there is an abundant supply and the risk for a severe event are not as dramatic as reported, they stated that the Gas Industry has sufficient rules and regulations and do not need additional NERC oversight. NAESB and the ISOs went through their particular risks. There was additional discussion on whether burning reserve oil for economic reasons was a common practice in New York as it is in New England and how that may impact reliability. R. Clayton – asked for a presentation regarding NYISO ability to mitigate the potential reliability impact of generators consuming back up oil for economic reasons. **(AI #231-4)**
- 10.2. NPCC Board of Directors Report** – Attachment#11.2 – P. Fedora noted M. Forte’s report that the NPCC Board of Directors met on June 27, 2018 meeting report. He added they discussed the NERC 2018 State of Reliability Report that was approved by NERC BOT on June 12, 2018. There is a FERC Technical Conference scheduled on July 31, 2018, to review and consider the NERC State of Reliability Report, as well as other reliability and resilience topics.

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

### **11.1. NYISO Comprehensive System Planning Process – D. Walters - Attachment #12.1**

On behalf of Z. Smith, D. Walters reviewed the highlights of attachment #12.1 noting that the RNA did not identify any Resource Adequacy Needs for a ten-year period. In the preliminary results, the NYISO identified one transmission security need but that need was resolved on the local level, resulting in no identified transmission security reliability needs.

FERC accepted the NYISO's Generator Deactivation Process. The NYISO is working on updating the Reliability Planning Process Manual.

J-Power USA has submitted a complete Generator Deactivation Notice for two 50 MW units that comprise its Pilgrim facility. A reliability risk was noted with the deactivation. This could lead to an RMR agreement until a permanent solution is in place.

NYISO has tendered the Development Agreement for NextEra Energy Transmission New York, Inc.'s Empire State Line Proposal 1. The NYISO Board of Directors will meet in July to review the AC Transmission Report. NYISO staff recommends selecting the Segment A Double-Circuit project and the Segment B Based project both submitted by North American Transmission/NYPA.

It is expected that in August the NYISO will initiate the 2018-2019 Public Policy Transmission Planning Process cycle by soliciting proposed transmission needs driven by Public Policy.

### **11.2. NYISO Markets– R. Mukerji - Attachment #12.2**

Rana Mukerji reviewed the highlights of attachment #12.2.

R. Mukerji reported on the NYISO's efforts on its Market Assessment for Accommodating Public Policy specifically in regards to the pricing cost of carbon into the wholesale markets. In May 2018, NYISO issued a straw proposal. The Public Policy Taskforce is looking at a number of topics and is planning to bring a proposal to Stakeholder for a vote in the 2<sup>nd</sup> Quarter of 2019. The topics include the consumer impact of carbon, imports and exports, and reliability impacts of the design.

There are two market design efforts which are up for a vote. One is a compliance filing for storage and one is a stakeholder vote on integrating DER. NYISO is looking at performance measures for DER resources. NYISO has asked GE to perform a MARS study of performance parameters. The study results will be available in a few months. In response to FERC Order No. 841, the NYISO is working with stakeholders to complete an Energy Storage Resource Model. The order requires a compliance filing by November 2018 and implementation by December 2019.

### **11.3. NYISO Monthly Operations Report –E. Nelson – Attachment #12.3**

On behalf of W. Yeomans, E. Nelson reviewed the highlights of attachment #12.3.

E. Nelson reported that for the month of June there was a Peak Load 28,166 MW on June 18. On June 18, there was a forced outage of the 92 line from New Scotland to Pleasant Valley, and some level of derating in NYC combined with a thunderstorm alert. Reliability was maintained, and the NYISO did not have to provide any SRE commitment. On June 19, there was shared activation of reserve at 12:41 and a reserve pickup initiated 12:42 for a 633 MW runback of the Nine Mile Two. The reserve pickup was deactivated at 12:50 and the shared activation was deactivated at 12:56 pm. During the month of June, there were 12.5 hours of thunderstorm alerts were declared and there were no TLR events.

E. Nelson also reported on the first major heat wave of the summer which started on June 30 and continued to Thursday, July 5. On Sunday, July 1, the peak load 29,601MW, the 71 Dunwoody-Mount Haven 345Kv line tripped and it was determined it would not be back online Monday. As a result, the NYISO put Zone J SCR (~500 MW) on notice late Sunday afternoon. On Monday, July 2, the NYISO made the decision to SRE three units. Monday's load was forecast to exceed 33,000 MW but actually came in at 31,000 MW, due to storm activity. A complete Summer Assessment will be presented at a later time.

**12. NAESB Status Report** – B. Ellsworth – NAESB issued a survey asking for any additional topics that NAESB should be involved with. He will respond to the survey noting there are no additions proposed by the NYSRC.

**13. Visitor Comments** – No visitor comments

**14. Adjournment of the EC Open Meeting**

Executive Committee Meeting #231 was adjourned at 11:50 A.M.

**15. Future Meeting Schedule**

<b>Meeting</b>	<b>Date</b>	<b>Location</b>	<b>Time</b>
#232	August 10, 2018	Albany Country Club	9:30 AM