

Draft Minutes
New York State Reliability Council, LLC (NYSRC)
Executive Committee (EC) Meeting No. 252
April 9, 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
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 Gilbraith	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*
John Stevenson	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
George Smith	George E. Smith Consulting*
George Loehr	eLucem*
Martin Paszek	Consolidated Edison Co. of NY, Inc^
Henry Chao	Quanta
Erin Hogan	DOS-Utility Intervention Unit*
Mike Mullin*	Consolidated Edison Co. of NY, Inc.
Mike Mount	Siemens*
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. 252 to order at 9:33 a.m. on April 9, 2020. An initial quorum of 13 Members and Alternate Members of the NYSRC EC was established. R. Clayton welcomed Steve Whitley as the new Unaffiliated Member of the Executive Committee of the New York State Reliability Council.
 - 11. Identification of Visitors** – Visitors on the phone were identified.
 - 12. Requests for Additional Open Session Agenda Items** – No additional agenda items were requested, H. Schrayshuen noted that a new attachment was added to agenda, item #12.1 and will be added to the website.
 - 13. Request for Executive Session Agenda Items** – No agenda items were requested.
 - 14. Report on Executive Committee meeting of March 13, 2020** – R. Clayton stated that in the previous EC Executive Session the EC selected Steve Whitley as the new Unaffiliated Member replacing G. Smith. There was also discussion on closing out the MDMS2 project. NYSEDA is requiring all participants to fill out a work affidavit before project funds are released. Almost all affidavits have been completed. There was an additional discussion on the current budget, which will continue.
 - 15. Declarations of Potential “Conflict of Interest”** – There were no declarations of new potential conflicts of interest identified.
- 2. Meeting Minutes/Action Items List – H. Schrayshuen**
 - 21. Approval of Minutes for Meeting # 251 (March 2020) – Attachment #2.1** – H. Schrayshuen introduced the revised draft minutes of the March 12, 2020 meeting, which included all comments received as of April 7, 2020. R. Clayton requested a page turn review. No additional changes were requested. R. Bolbrock made a motion to approve the minutes of Meeting #251. The motion was seconded by S. Whitley and unanimously approved by the EC members in attendance (13 - 0). The EC Secretary will arrange to have the final minutes for EC Meeting #251 posted on the NYSRC website.
 - 22. Review of Outstanding Action Items List – Attachment #2.2** – H. Schrayshuen reviewed and updated the action item list with meeting attendee’s input. Action Item 249-15 has a new completion date due to COVID-19. P. Gioia reported that the D&O insurance has been secured. There was a 15% increase in the policy premium. This is the first increase in a few years. P. Gioia stated that he did seek alternatives but could not secure equivalent coverage at a lower cost. After consultation with R. Clayton and A. Adamson, it was decided to continue with the current insurance carrier.
- 3. Organizational Issues**
 - 31. 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 \$154,718.32.
 - 3.1.2. Call for Funds Q2 2020 Status** – A. Adamson stated that as of April 9, 2020 two members have not paid the second quarter call for funds.
 - 32. Other Organizational Issues** – There was discussion about the current budget. R. Clayton recommended the discussion be brought to an Executive Session in May. There was discussion on the scheduling of the Executive Session. R. Clayton stated that he will consider holding the Executive Session before the open meeting. (AI-252-1)

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

41. ICS Chair Report – Attachment #4.1 – R. Chan reviewed attachment #4.1 – Summary of ICS meeting #230 on April 1, 2020. R. Chan requested that N. Gilbraith report on the High Renewable Whitepaper, agenda item #4.2. R. Chan stated that data is being collected for the 2021 IRM Study. R. Clayton asked how the load forecast will change due to the COVID-19 crisis. C. Patka stated that the NYISO been working on updates to the load forecasts through April 5, 2020. Updates to load forecasts will be captured in the 2020 Gold Book and the load related numbers will be updated throughout the year. C. Dahl asked if the adjustment is being made with NYISO Load Forecasting Task Force (LFTF). C. Patka stated that the load adjustments will be discussed at the LFTF meeting on April 13, 2020 and also at the April 15, 2020 Management Committee meeting. S. Whitley suggested that the long-term potential government push to bring manufacturing back to the U.S. could increase load in New York. W. Yeomans stated that any discussion about load forecasting should include timeframes. M. Younger stated that by the time of the updated forecast becomes available in the fall, the NYISO will have the summer load numbers and the benefit of updated economic forecasts. M. Younger stated that the current process is designed to enable load updates, including new information before the EC needs to make decisions on the IRM study.

R. Chan discussed current White Papers. R. Chan asked the EC if there was any input to the Zonal shift impact to the Tan 45 method, and none was given. The ICS will develop a scope for that whitepaper at the next ICS meeting and present it to EC in May 2020. R. Chan also stated that G. Drake has reviewed the proposed Policy 5 revisions with the ICS, and that the revisions are also being reviewed with the NYISO. The proposed changes will be brought to the EC in June 2020.

42. High Renewable Resource Modeling White Paper – Attachment #4.2 - EC Approval Item – N. Gilbraith – N. Gilbraith reviewed the previously discussed changes to the whitepaper. He stated that the NYISO supports the current revision. R. Clayton thanked the NYISO for their coordination and support with the EC comments. R. Clayton also noted that M. Younger sent in two editorial changes, table 8b should be listed as table 7b, and on page 15, the second to last paragraph the words “and URMs are” should be replaced with the word “is.” R. Clayton also noted the importance of this paper and that the ICS should start to look at the recommendations outlined in the whitepaper. M. Sasson made a motion to approve “The Impacts of High Intermittent Renewable Resources on the Installed Reserve Margin for New York” white paper. The motion was seconded by M. Domino and unanimously approved by the EC members in attendance. (13 - 0) A. Adamson will post the whitepaper to the website and H. Schrayshuen will send a notice of its availability to the NYISO Technical Information Exchange list. (AI-252-2) S. Whitley noted that the whitepaper recommendations need to be looked at specifically with respect to transmission.

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 #248, which took place on April 2, 2020. There is one PRR under development,

PRR 128, Definition of the Bulk Power System. This PRR had been on hold pending the A-10 Revision. With the A-10 revision having been approved by the NPCC Stakeholder vote on March 27, 2020 the work on PRR 128 will now continue. There is currently one PRR posted for comment. PRR 146, regarding Transmission System Interconnection Special Study Assessments, received one comment, which will be addressed by the RRS.

- 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 #148 for posting – Attachment #5.2.1 – EC

Approval Item – R. Clayton stated that the RRS is asking the EC to approve PRR148, Mitigation of Major Emergencies for posting for comment. R. Clayton stated this PRR is intended to clarify NYISO reporting obligations when a Major Emergency is declared. This PRR removes the need for the NYISO to declare a Major Emergency if the actions taken in the Alert State mitigate the limit violations. S. Whitley made a motion to approve PRR 148 for posting for comment. The motion was seconded by M. Sasson and unanimously approved by the EC members in attendance (13-0). H. Schrayshuen will post the PRR for comment. (AI-252-3)

- 53. Discussion of implications of NPCC A-10 Document approval** – M. Sasson/M. Paszek – Attachment #5.3 – M. Paszek presented attachment #5.3.

- 54. Other RRS Issues** – R. Clayton stated that the RRS is continuing to develop a Risk Tracking Matrix. R. Clayton also reported that Larry Hochberg, who has been a member of RRS since its inception, recently retired from NYPA. B. Fardenesh stated that NYPA is in the process of selecting a replacement.

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 #242 on April 2, 2020. He reported that RCMS found the NYISO in full compliance for Real Time Operations of the NYS BPS (C8: R1) for February 2020. The RCMS found the NYISO in full compliance for 2020 Locational Capacity Requirements (A.2:R.1), TO System Restoration Plans (F.1:R.2), and Black Start Provider Requirements (F.1:R.3).

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

- 63. Other RCMS Issues** – None to report.

7. NYISO Status Reports/Issues

- 7.1. NYISO Comprehensive System Planning Process – Z. Smith – Attachment #7.1** – C. Patka presented on behalf of Z. Smith. C. Patka reported that the NYISO is continuing the Reliability Planning Process with the topology, load forecasting and Peaker Rule assumptions. On the Peaker Rule, NYHISO has listed the potential MW per unit that would be out of service in 2023 and 2025 within ozone season and non-ozone season. C. Patka noted that the NYISO made a tariff filing to FERC on February 27, 2020 to create a Short-Term Reliability Planning Process (years 1-5 with a focus on years 1-3) and to amend the Reliability Planning Process to focus on future years 4-10. There was one comment received that the NYISO has responded to.

C. Patka stated that the 2019 Economic Planning Process (CARIS) process is

underway, and includes a 70% by 2030 renewable generation resource scenario with additional resources to help relieve system constraints, conditions, possible overlaps and gaps. The NYISO is refining their modeling to highlight and resolve transmission constraints.

C. Patka also noted there are currently no needs identified in the Public Policy Process. The 2020-2021 Public Policy cycle will begin August 2020.

There was some discussion regarding the recent New York State budget legislation on transmission planning and renewable generation siting. C. Patka stated that the NYISO is aware of the recent legislation, it is too early to determine how the new policies will impact NYISO procedures. He said that the NYISO will continue cooperating with the PSC and NYSEDA in a proactive manner to study potential transmission needs.

72. NYISO Markets Report – R. Mukerji - Attachment #7.2 – R. Mukerji reviewed attachment #7.2 stating that the NYISO has retained the Brattle Group to perform further studies as a follow up to the NYISO Grid in Transition study. The Brattle Group will provide stakeholders with more information about the transition the power system will undergo over the next 20 years. Three specific projects in NYISO 2020 Project Plan to accommodate public policy in the market assessments include; ancillary services shortage, providing reserves for resource flexibility, and the tailored availability metric. The NYISO continues to implement the Energy Storage Resources participation model by September 2020. The 2020 objectives and deliverables for the Demand Curve Reset project include a report by the Demand Curve Reset consultant. The NYISO recommendations addressing the ICAP Demand Curves for the 2021/2022 Capability Year are targeted for delivery in June 2020.

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

W. Yeomans stated that during the month of March there was Peak Load of 19,277 MW on March 6, 2020. There were no hours of Thunder Storm Alerts and no hours of NERC TLR level 3 curtailment. Fuel prices are currently very low and loads have dropped due to mild weather and the COVID-19 crisis. The NYISO estimates that it is currently seeing 2%-3% of load reduction in March due to the COVID-19 pandemic. W. Y Yeomans noted the following generator updates; (1) Nine Mile 2 has completed its refueling, (2) Ginna refueling is starting and should be completed for summer, (3) Somerset has officially retired, (4) Indian Point 2 is scheduled to retire on April 30, 2020, and (5) the Cricket Valley combined cycle generator is expected to enter commercial operation in early May.

W. Yeomans discussed the following steps the NYISO is taking to mitigate COVID-19 risk.

Sequestration of Control Center System Operators - COVID-19 Pandemic Planning: On March 2 Operations began day-shift operations at the Carman Road Control Center and night-shift operations at the Krey Blvd Control Center to eliminate operator interactions at “shift-turnover.” On March 26, Operations

initiated voluntary sequestering of operators by arranging for two crews at the Main Control Room and two crews at the backup Control Room. Trailers have been provided for sleeping arrangements, food services have been arranged at both facilities, and extensive cleaning is executed at each operating desk during and after each shift. Non-sequestered operators are following self-isolation protocol and are available on short-notice to be sequestered as needed.

Generator Coordination – COVID-19 Pandemic Planning: Operations has formalized three elements of out-reach to NYS generator asset owners to understand preventative actions to date and substantiate that contingency plans are in-place to ensure the continued operational capability of critical generating sites in response to the COVID-19 pandemic. These efforts include:

- (1) weekly generator surveys,
- (2) weekly generator conference calls and,
- (3) weekly executive briefings to NY State Agencies, NYPA, LIPA, and IPPNY members.

Generator challenges reported include plant operator staffing and travel restriction concerns, deferral of non-essential maintenance to reduce critical employee interactions, supply chain part deliveries, and assurance of fuel deliveries. Generator asset owners are projecting full operational capability for summer peak conditions at this time.

Transmission Owner & ISO/RTO Coordination – COVID-19 Pandemic Planning: NYISO Operations is involved with daily NY Transmission Owner coordination calls, weekly calls with New York utility CEOs, weekly NPCC conference calls, weekly executive coordination calls with ISO-NE and PJM, and weekly conference calls with gas pipelines and gas LDCs. The coordination calls are for the purposes of communicating actions taken in response to the COVID -19 pandemic, sharing best practices, understanding transmission infrastructure capability maintenance deferrals, and to ensure that critical control center operations staff are available to operate the NY transmission system. Measures include rearranging shift schedules, training from home, and using backup control rooms to limit contact between system Operators and other NYISO employees. There are control room contingency plans in case the system Operators are unable to perform their duties. The NYISO will continue to evaluate mitigation measures as needed.

R. Clayton stated on behalf of the NYSRC EC he would like to thank and recognize the NYISO Operators for their dedication and sacrifice during this time.

C. Wentlent asked about transmission maintenance and W. Yeomans stated that transmission line work has been reevaluated by the Transmission Owners. To keep crews safe, some work has been shortened or rescheduled. Work that was deemed critical by the Transmission Owners is moving forward.

M. Sasson mentioned that NERC has made some of their compliance requirements

more flexible during this crisis and has asked if the NYISO sees a need for the NYSRC EC to make any adjustments in flexibility related to its reliability rules during this time. W. Yeomans stated that the NYISO is committed maintaining the same level of compliance with standards that was maintained before the crisis started, and at this time there is not a need to modify compliance practices. At a more local level, W. Yeomans said that he is aware of one generator asking for more time to submit testing results, but the current NYISO rules already memorialized a procedure for flexibility for such requests. There is currently no need to adjust NYSRC compliance rules more flexibility. M. Sassoon said that the EC should be aware that as the pandemic progresses some rule exceptions and flexibility might be needed.

7.3.1. NYISO Report regarding 2019-2020 Cold Weather Operations

Attachment #7.3.1 - W. Yeomans presented attachment #7.3.1 stating it was a very mild winter, and the peak load occurred on December 19, 2019 at 23,253 MW.

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

8I. Report on DER Activities – R. Clayton stated that he would be picking up G. Smith's duties on DER activity. R. Clayton thanked G. Smith for his dedication and work to the NYSRC EC and congratulated him on his retirement. G. Smith stated that he has enjoyed his time on the NYSRC EC and that this NYSRC EC has been the most professional and rigorous group he has been a part of.

R. Clayton stated that he will be attending NPCC Reliability Standards Committee DER Forum on May 14 via phone, and that NERC has a meeting on May 15 to review TPL-001.

9. Environmental Status Report/Issues – C. Wentlent – Attachment #9.1 - C. Wentlent reviewed attachment #9.1 recapping the NYSDEC/NYSRC conference call held on March 19, 2020. The NYSDEC has received the compliance plans for meeting the Peaker Rule from the affected generators. The Climate Action Council had to cancel their April 2 meeting due to the COVID-19 crisis. Comments on the Transportation Climate Initiative (TCI) comments were received. The states are working on a joint MOU. Several commenters suggested combining the TCI with RGGI. There was an order from the PSC in January 2020 about energy efficiency and heat pump expansion. The next conference call will be held on May 14, 2020.

10. Resource Adequacy Working Group – C. Wentlent

10I. Resource Adequacy Metrics Reports – C. Wentlent/A.Adamson - Attachment #10.1 – C. Wentlent stated that the NYSRC EC package includes the whitepaper draft. A. Adamson and C. Wentlent went over attachment #10.1 including the conclusion and recommendations. The Resource Adequacy Working Group is asking the EC and the NYISO to review the draft report, and to submit and comments for edits to A. Adamson and C. Wentlent by April 16, 2020. A final report will be submitted for approval at the May EC meeting. (AI-252-4) C. Wentlent thanked the working group for their efforts and especially identified A. Adamson's efforts in development of the Resource Adequacy Metrics Report.

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

11.1. NERC Standard Tracking – A. Adamson – Attachment #11.1 – A. Adamson stated the NYSRC voted “yes” on NERC standard, CIP-002-6. Balloting will begin 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. An email requesting input for voting purposes had been sent.

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

12.1. NPCC Report – M. Sasson –

12.1.1. NPCC Board of Directors Report - M. Sasson- Attachment #12.1.1 – M. Sasson reviewed attachment #12.1.1 which summarized the January 28, 2020 NPCC Board of Directors Meeting. The NPCC Board of Directors will meet on May 6, 2020. R. Bolbrock asked for a report of key topics that might be brought up at the NPCC Board Meeting. (AI-252-5) P. Fedora stated that he can work with M. Sasson to assist with the proposed NPCC Board of Directors agenda topics. Some upcoming agenda items at the May 6, 2020 meeting include: NERC MRC Board of Trustee policy input, 2021 NPCC Business Plan and Budget, and the 2020 NPCC Summer Reliability Assessment. On May 7, 2020 there will be a NPCC Media Event on the NPCC 2020 Summer Reliability Assessment at 11:00 am

12.1.2. NERC Report – P. Fedora – P. Fedora reported that a NERC level 2 Alert was issued March 10th regarding contingency planning as related to COVID-19 - responses were due by March 20th. The NERC Rules of Procedure requires a report to FERC within 30 days (April 20th). On April 8th the NERC Summer Reliability Assessment (SRA) data is due, including a request for information about COVID-19 planning and response. The data and response will be discussed at the April 21 -22 NERC Reliability Assessment Subcommittee meeting. The 2020 SRA is planned to be released by June 1, 2020. On April 16th the NERC Inverter-Based Resource Performance Task Force will hold an informational webinar on the White Paper: “Fast Frequency Response Concepts and BPS Reliability Needs”. NERC plans to release their Special Report: “Pandemic Preparedness and Operational Assessment “the week of April 13, 2020. In mid-May NERC plans to release their NERC State of Reliability Report.

13. NAESB Activities – B. Ellsworth – B. Ellsworth reported that wholesale electric quadrant published version 3.3 with new standard and revisions. The report is posted on the NASEB website. G. Smith recommended moving the NAESB report earlier on the agenda.

14. Visitor Comments – None

15. Adjournment of the EC Open Meeting

The Open Executive Committee Meeting #252 was adjourned at 1:02pm.

16. Future Meeting Schedule

Meeting	Date	Location	Time
#253	May 8, 2020	Web meeting	9:30 AM