

**Joint Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS) /
Reliability Compliance Monitoring Subcommittee (RCMS)
Thursday, March 5, 2020**

Minutes of RRS Meeting No. 247

RRS Members and Alternates:

Roger Clayton, Electric Power Resources (Chairman, Secretary Pro-Tem)
Larry Hochberg, NYPA (Vice Chairman)
Michael Ridolfino, Central Hudson (Secretary)
Abhilesh Gari, NYPA Alternate
Zoraini Rodriguez, PSEGLI/LIPA
Brian Shanahan, National Grid
Martin Paszek, Consolidated Edison
Mike Roszkowski, Consolidated Edison
Brian Gordon, NYSEG

Non-Voting Participants:

Al Adamson, Consultant
Jim Grant, NYISO
Mark Capano, NYISO
Chris Sharp, NYISO
Aaron Markham, NYISO
Wes Yeomans, NYISO
Humayun Kabir, NYS DPS

Guests:

Paul Gioia, NYSRC Counsel
Sal Spagnolo, NYPA
Dan Head, Consolidated Edison

RRS Meeting No. 247 was called to order by Mr. Clayton at 10:00 AM.

1. Introduction

1.1. Executive Session (if requested)

None requested.

1.2. Requests for Additional Agenda Items

None requested.

2. Approval of Minutes/Action Items

2.1. RRS 246 Approval of Minutes 📄 - R. Clayton

Approved with revisions from NYISO.

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2.2. RRS 245 Status Report to EC 📄 - R. Clayton

Mr. Clayton presented a copy of the 'RRS 246 Status Report' which was developed for the Executive Committee (EC) as a summary of the RRS 246 meeting.

2.3. RRS 245 Action Items List 📄 - R. Clayton

Mr. Clayton reviewed the RRS 246 Action Item list:

Action Item 83-8: Ongoing. No update.

Action Item 228-1: Ongoing. No update.

Action Item 232-6: Ongoing. ICS to monitor developments. No update.

Action Item 236-1: Ongoing. No update. Martin Paszek will monitor & report.

Action Item 246-1: Completed.

Action Item 246-2: Completed.

Action Item 246-3: Completed.

Action Item 246-4: Completed.

Action Item 246-5: Completed.

3. NYSRC Reliability Rules Development

3.1. PRR List

3.1.1. PRR List Outstanding 📄 - R. Clayton

Mr. Clayton reviewed the list. PRR 128 (NPCC A-10) is moving through the NPCC approval process (see Agenda Item 4 below). PRR 148 is on today's agenda.

3.2. PRRs for EC final approval after posting

RRS recommended PRR 145 and PRR 147 for EC final approval.

3.3. PRRs for EC approval to post for comments

3.3.1. PRR 148 – D.1 Mitigation of Major Emergencies – A. Markham (NYISO)

Mr. Markham presented the changes made to PRR 148 as a result of the discussion at the last RRS meeting. The NYISO modified the need for the changes, focusing on the fact that the rule change will not negatively impact reliability. The intent of the rule change is to avoid technically unwarranted Major Emergency declarations to preserve the seriousness of the Major Emergency state. The new PRR stresses that all tools aside from load relief are available to the NYISO operators under the Alert state, and that the NYISO reserves the right to declare a Major Emergency immediately if load relief is necessary. Further, NYISO operators have the tools to determine whether load relief is needed in real time.

Mr. Clayton stated that voltage collapse and instability occur faster than 10 minutes; what happens if there is not time to implement all actions under the Alert state before the collapse occurs?

Mr. Markham responded that the NYISO operators would see, in real time, flows due to contingency that are substantially over limits and weak voltages. The operators would declare an Alert state, perform normal actions, then move to a declaration of Major Emergency if the actions taken did not sufficiently improve the system state. The operator would then move to load relief actions. For the same event under the current rule, the NYISO operators would declare a Major Emergency, then perform the same

sequence of actions. The declaration of a Major Emergency takes 30 seconds on the hotline phone.

Mr. Markham explained that the system operating limits are determined under stressed system conditions and then margins are built in for safety. The changes do not diminish the reliability of the system because the actions do not change.

Mr. Adamson asked about the need for the change from a historical perspective. Mr. Markham explained that there were many historical examples where a Major Emergency was declared and the system conditions were returned to normal without the need for load relief, only those actions available under the Alert state.

Mr. Head added that prior to previous changes (element over LTE), inadvertent PAR moves frequently caused unnecessary Major Emergency declarations. System operators agreed that the change.

RRS agreed with the NYISO changes to the PRR. Mr. Adamson will update Sections 8 and 9 of the PRR prior to sending to EC for approval (Action Item 247-1). NYISO will start training to the new rule at Fall SOTS. NYISO manuals will be updated by December 1, 2020. Operation to the new rule will begin on the same date.

3.4. Discussion items

3.4.1. Reliability Aspects of Grid in Transition Report – W. Yeomans (NYISO)

Mr. Yeomans presented the reliability concerns from the final NYISO Grid in Transition Report.

Mr. Clayton pointed out that there was no reference to meeting a significantly higher IRM requirement with a high amount of renewables on the grid and recommended that it be noted in the report. He also asked whether the NYISO had considered whether any new reliability rules were necessary to address the concerns. Mr. Yeomans responded that it would be best to wait until it is necessary to enact new rules.

Mr. Pazsek stated that Consolidated Edison does not agree with portions of the NYISO analysis so far. The addition of 9000MW of offshore wind, to be located off the coast of Long Island, will reduce or eliminate the need for new transmission solutions for bringing power from North to South. It will be necessary to look at solutions for un-bottling NYC and Long Island to supply that power to the 138kV networks.

Mr. Yeomans welcomed any further comments from concerned parties.

3.4.2 NYCA Long-Term Reliability Risk Priorities – A. Adamson

Mr. Adamson presented the list of Long-Term NYCA Reliability Risks that he developed since the last RRS meeting. RRS briefly discussed the merits of some of the identified risks. Mr. Clayton asked RRS to send in comments on the risks to himself and Mr. Adamson prior to the next RRS meeting. He also asked RRS to rank the risks in order of importance (Action Item 247-2). RRS will then develop a matrix of risk versus impact and choose a subset of the most important to work on.

3.4.3 Compliance Element Revisions to Reliability Rule C.3 – A. Adamson

Mr. Adamson explained that this rule is up for compliance review with RCMS this month. Some of the compliance levels present in the original PRR are missing from the NYSRC compliance manual. Mr. Adamson edited the manual to add the missing compliance levels to

this rule. Mr. Clayton advised that there is no need for a PRR to address this change as it is informational only. RRS agreed. Mr. Clayton will inform the EC of the corrections to the manual.

3.4.4 Removal of NYSRC RR&CM Exceptions 17 & 18 – M. Paszek

Previously, the EC approved removal of Exceptions 17 and 18 contingent on retirement of Indian Point #2. The NYSRC received letters from Consolidated Edison and NYISO stating that no reliability criteria is violated as a result of the retirement and removal of Exceptions 17 and 18. Indian Point #2 is scheduled for retirement on April 30, 2020. RRS recommended that the exceptions should remain in place until it is confirmed that Indian Point #2 has been retired. Consolidated Edison agreed. RRS recommends that EC approve removal of Exceptions 17 and 18 to be implemented when NYISO receives notice of retirement from Consolidated Edison.

4. NPCC Directories

4.1. Update on Revised NPCC A-10 – M. Paszek

Mr. Paszek presented slide on the NPCC A-10 update which was approved by the NPCC RCC on 2/27/20. Consolidated Edison and the NYSRC both voted affirmatively. The update includes more specifics to set up the base case for consistency between areas within NPCC. It also separates applicability for Directory 1 and Directory 4. Directory 1 now includes all BPS buses. Radial elements are automatically excluded from Directory 1. New performance based exclusions were developed for Directory 4 for elements connected to BPS buses. There is no impact to operations as a result of the exclusions to Directory 1. Voting by the NPCC full members is due by 3/27 after which it will be sent to the NPCC board for final approval. PRR 128 will be readdressed after the revised A-10 receives final approval from the board.

5. NERC SARS/Organization Standards

5.1. NERC Standard Tracking – A. Adamson

Balloting for CIP-005-7, CIP-010-4 and CIP-013-2 begins on 3/2 and ends on 3/11. Mr. Adamson has sent out a request for ballot input from members.

6. Additional Agenda Item

6.1. None.

7. Reports

7.1. NYSRC EC Meeting Report – R. Clayton

Mr. Clayton provided a summary review of recent EC meeting topics:

- The EC has received resumes from 5 candidates for the replacement of G. Smith. Phone interviews will be conducted during the week of 3/9 with a possible recommendation to EC at the meeting on 3/13.
- The Resource Adequacy Working Group had its first phone in meeting during the last week of February. The group discussed reliability criteria for loss of load across the world. They observed that the 1 in 10 criterion is largely followed uniformly across the US. In Europe the criterion is based on the number of hours that load is lost per year. In Australia it is a measure of unserved energy as a percentage of total energy supplied (typically .001 to .002 percent).

7.2. NYSRC ICS Meeting Report – A. Adamson

Mr. Adamson provided a summary review of last Tuesday's ICS meeting topics:

- ICS's High Renewable draft white paper has been sent to the EC for approval at the 3/13 meeting.
- The scope for ICS's modeling change white paper was approved by ICS and will be sent to the EC for approval. The scope includes a revision of the external model area.

The meeting was adjourned at 1:40 PM

8. Next Meeting #248

Thursday, April 2, 2020; 10:00 am @ NYSERDA, 17 Columbia Circle, Albany