

***Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS)***

***Minutes of RRS Meeting #285
Thursday, February 01, 2024***

RRS Members and Alternatives:

| | | |
|-------------------|---------------|----------------------|
| Roger Clayton | EPR, LLC | Member/Chairman |
| Saud Amin | CONED | Alt Member |
| Damian Interrante | CHGE | Member |
| Michael Ridolfino | CHGE | Alt Member |
| Brian Shanahan | National Grid | Member |
| Umair Hanif | PSEGLI | Alt Member/Secretary |
| Robert Eisenhuth | PSEGLI | Member |
| Rahul Pandit | PSEGLI | Alt Member |

RRS Non-Voting Participants:

| | |
|----------------|------------|
| Paul Gioia | Counsel |
| Wesley Yoemans | Consultant |

Guests:

| | |
|-----------------|-------------------------|
| Anu Aluko | ? |
| Arif Hossaid | NYPA |
| Bruce Fardanesh | NYPA |
| Brian Gordon | NYSEG |
| Bruno Leonardi | NYISO |
| Frank Grimaldi | NYPA |
| Henry Chao | Quanta |
| Humayun Kabir | DPS |
| Jim Grant | NYISO |
| Joe Coscia | Potomac Economics MMU |
| Libin Varghese | NYPA |
| Mark Younger | Hudson Energy Economics |
| Juergen Holbach | Quanta |
| Keith Burrell | NYISO |

Agenda Items

1.0 Introduction

Meeting 285 was called to order by Roger Clayton at 10:05.

1.1 Executive Session

- Roger Clayton recommended to remove this session since it cannot be done through WebEx.

1.2 Requests for Additional Agenda Items

- None. No additions

2.0 Approval of Meeting Minutes/Action Items

2.1 RRS 284 Approval of Minutes -R. Clayton

- Minutes reviewed and approved for meeting 284.

2.2 RRS 284 Status Report to EC -R. Clayton

- Reviewed status report for RRS meeting 284.

2.3 RRS 284 Action Item List -R. Clayton

The status of Action Items are as follows:

Action Item 83-8: Ongoing
Action Item 228-1: Ongoing
Action Item 232-6: Ongoing
Action Item 236-1: Ongoing
Action Item 281-3: Ongoing
Action Item 281-5: Ongoing
Action Item 284-1: Ongoing
Action Item 284-2: Ongoing
Action Item 284-3: Ongoing
Action Item 284-4: Ongoing
Action Item 284-5: Ongoing
Action Item 285-1: Added
Action Item 285-2: Added
Action Item 285-3: Added
Action Item 285-4: Added
Action Item 285-5: Added

3.0 NYSRC Reliability Rules (RR) Development

3.1 Potential Reliability Rule (PRR) List Outstanding -R. Clayton

- PRR 150 still open and in discussion with ICS
- PRR 151 on Agenda today
- PRR 153 on Agenda today
- PRR 153a on Agenda today
- PRR 154 on Agenda today

3.2 PRRs in development

3.2.1 PRR 153: Include “Sudden loss of fuel delivery system to multiple solar & wind plants” as a contingency in Table B-1 –R. Clayton/ K. Burrell

- Outstanding action item is related to defining what is meant by loss of wind or solar. NYISO is working on it. Ongoing subject.
- AI 285-1 NYISO will develop a guideline to define these conditions.

3.2.2 PRR 153a: Include “Sudden loss of gas fuel to a plant for common mode failure of gas delivery system” as Category I & II Design Contingencies in Table B-1 –R. Clayton/ K. Burrell

- Extreme Contingency #10 to be added as a design contingency.
- New contingency would be category 1 and category 2 event.
- Open up for comments with the objective of getting RRS approval to recommend to NYSRC EC for posting for comments.
- Process is RRS would make recommendation to EC that rule get posted for comments. (nominal schedule 45 day for review).
- Keith Burrell recommended we don't make the vote today and allow members to comment further. These PRR are still in internal discussions at NYISO.
- Robert Eisenhuth– If these rules get approved, would they be applicable to compliance and reliability studies.
- Keith Burrell– In operations, single plants trip due to loss of fuel to that plant rather than electric fault. L/O fuel results in full loss of plant.
- Roger Clayton – will this apply to interconnection studies?
 - o Keith unsure will have to get back with an answer.
- Understanding the scope of applicability is another good reason to extend the approval to the next meeting.
- AI 285-2 Keith to report back on NYISO comments on PRR 153a including its applicability to NYISO interconnection studies.

3.2.3 PRR 154: TS Planning Performance Requirements – Include a system condition of “Peak load resulting from extreme weather” in Table B-1 –R. Clayton/ K. Burrell

- Setup system conditions representing extreme weather
- Same delay as PRR 153,153a,154.
- Working on revised language to clarify applicability of this rule to the interconnection process.
- AI 285-3 Will be reviewed at next meeting pending NYISO comments.

3.3 PRRs for EC final approval after posting – PRR 151 under review

3.3.1 PRR 151 “Establishing Minimum Interconnection Standards for Large Facility Inverter Based Resources (IBR)” -R. Clayton

- Additional bullet item under comments has been added in reference to comments seeking to incorporate an exemption carve out within the rule itself due to new developments in IBR technology effected by this rule.
- Exceptions for future technology are impossible to anticipate in a rule & would indefinitely delay the approval of PRR 151.
- Pointed out that there is an existing exception process that can be requested by market participants for specific applications.
- Procedure document revisions are being reviewed internally at NYISO in coordination with Reigh Walling.
- Recommendation to EC is to adopt this as a final rule.
- Implementation plan – This does not apply to CY23 projects
- No objections to making recommendation to EC that PRR 151 & its associated procedures document be approved as Final.

4.0 Extreme Weather Working Group Status Report

4.1 Status Report -R.Clayton

- Discussion in previous meeting. About 50 sites are being examined at an hourly basis to characterize the wind and solar in the area. Application of data will be potential input into guideline of PRR153 where wind and solar loss contingencies are being defined.
- Will also provide input into resource adequacy analyses and MARS topology.

5.0 IBR Working Group Status Report

5.1 Status Report -R. Clayton

- No meetings, no update.
- Will be going into Phase II IEEE 2800 for interconnection studies

6.0 NERC SARS/Organization Standards

6.1 NERC Standard Tracking -W. Yeomans

Provided update on NERC balloting.

- CIP-007-X
 - o Did not pass with only 15% Affirmative
- MOD-026-1
 - o Did not pass with only 43% Affirmative
 - o These votes were not voting on standards but rather early drafts of the definitions
- MOD-027-1
 - o Did not pass with only 43% Affirmative
- EOP-012-2 – Passed, 89% Affirmative

7.0 Additional Agenda Items

7.1 IBR Protection Study Presentation - J. Holbach (Quanta)

- Presented “ Transmission Line Protection Under High Penetration of Inverter-based Resources: Impact Assessments and Mitigation Solutions”

7.2 RRS Roster update - R.Clayton

- Request all members to review the roster update and provide comments if needed.

7.3 RRS Code of Conduct & Conflict of Interest Disclosure - R.Clayton

- All members need to sign and send the disclosure document.

7.4 RRS Annual Report - R.Clayton

- Reviewed 2023 Annual report.
- Would like to get a consensus that this be forwarded to the EC.
- No objection that this report be presented to the EC.

7.5 NYSRC Exceptions to Reliability Rules - R.Clayton

- This was an action item from NYPA regarding clarifications to existing exceptions.
- These were sent by Arif Hossaid for review.
 - o Roger Clayton
 - o Exception #1 – Will changing the designation to a new circuit change the impedance. May still need to be modified based on study results. Perhaps add an asterisk that the exception is under study.
 - o Recommend that VELCO is informed of the changes to Exception Reference 11.
 - o Arif Hossaid– review in progress.
- AI 285-4 – Arif Hossain to return with when the results of the study will be available.
- AI 285-5 – Action item for Jim Grant/NYISO to review the proposed changes.

8.0 Reports

8.1 NYSRC EC Meeting Report -R. Clayton

- Nothing to report.

8.2 NYSRC ICS Meeting Report -B. Shanahan

- Mostly individual presentations.
- Focus on four white papers planned for this year.
 - o 1045 Methodology – Large delta in TSL floors.
 - o Transmission Security Analysis
 - o DER Modeling
 - o Behind the Meter Solar impacts on load
- Final update on SCR White Paper. Enhanced modeling will increase SCR usage and potentially lower IRM.
- Next Month – Gas constraint White Paper will be finalized.
- Yvonne Huang has been promoted and new ICS director has been assigned.

9.0 Next Meeting

Meeting #285 was adjourned at 12:19 PM.

The next meeting (#286) is scheduled for Thursday, February 29, 2024 at 10:00 am by WEBEX.