

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

***Minutes of RRS Meeting #262
Thursday, November 30, 2021***

RRS Members and Alternatives:

Roger Clayton	EPR, LLC	Member/Chairman
Michael Ridolfino	Central Hudson	Member
Arif Hossain	NYPA	
Brian Shanahan	National Grid	Member
Zoraini Rodriguez	PSEG/LIPA	Member
Muhammad Ibraheem	PSEG/LIPA	Alt. Member
Michael Mullin	Consolidated Edison	Alt. Member
Damian Interrante	CHGE	Member
Matthew Napoli	CHGE	Alt. Member
Brian Gordon	NYSEG/RGE	Member/Secretary

RRS Non-Voting Participants:

Paul Gioia	Counsel
Jim Grant	NYISO
Chris Sharp	NYISO
Mark Capano	NYISO
Keith Burrell	NYISO
Al Adamson	Consultant
Laura Popa	NYISO
Grant Flagler	

Agenda Items

1.0 Introduction

Meeting 262 was called to order by Mr. Clayton at 09:30.

1.1 Executive Session

No Executive Session was requested.

1.2 Requests for Additional Agenda Items

None

2.0 Approval of Meeting Minutes/Action Items

2.1 RRS 261 Approval of Minutes

The minutes of RRS Meeting #261 (November 4 Meeting) were revised with changes to attendee list, a new action item 261-2, and PSC Notice of Denial section. Revised #261 Meeting Minutes were approved.

2.2 RRS 261 Status Report to EC

Covered Status report with no questions. It was mentioned at the EC meeting that there is a new proposed solar farm called Travers to be installed in Alberta, Canada utilizing 3,300 acres for a total capacity of 660 MW with a projected \$700 million capital investment (\$1,000 / kW).

2.3 RRS 261 Action Item List

The following Action Items were reviewed:

261-1 Emergency Transfer Limit draft review of option 2
NYISO will be completed and discussed at January RRS meeting.

261-2 NYISO PV standards related to fault operation
NYISO to report at the February RRS meeting.

258-1 Consider system reliability impacts for extreme weather events on an ongoing basis
Ongoing but agenda item in this meeting. NERC activities and real time preparedness will be discussed later as an agenda item.

228-1 Review Reliability Rules for potential changes
One potential rule in agenda item to be discussed today for resource adequacy metrics.

3.0 NYSRC Reliability Rules (RR) Development

3.1 Potential Reliability Rule (PRR) List Outstanding

Reviewed with no comments.

3.2 PRR 149 “Clarification of LOLE Metric & Application of Other Resource Adequacy Metrics”

The proposed rule change is for R1 is requirement change to clarify LOLE and the addition of LOLH.

Mr. Adamson discussed the NERC IEEE working group paper on resource adequacy. Many items from the IEEE Resource Adequacy working group paper was used in the PRR. The LOLE clarifying changes are from “days

per year” to “loss of load events per year”. Current modeling is not just peak hours but considers every hour of the day which gets translated into 1 event every 10 years. The LOLH metric measures the hours not frequency. LOLE is measuring events every 10 years without the consideration of time. The criterion is closer to the way studies are performed. MARS studies do a probability study based on overall hours of risk, hour by hour. Event-day per year is a more accurate phrase and it aligns with the NERC IEEE paper. LOLH is event-hour and it was mentioned that the EUE might be a better metric.

The PRR change for requirement 1.2 is to calculate LOLH and EUE in addition to LOLE in the NYISO resource adequacy studies and to update policy 5. This activity is already done in RNA studies.

Changes will be made to the draft PRR to incorporate items discussed today and to send to the ICS for review at January meeting. **ACTION ITEM 262-1- Mr. Adamson will revise draft PRR 149 as discussed at this meeting and will send to ICS for review before January meeting.**

3.3 PRRs for EC final approval after posting

No comments.

3.4 PRR posted for comments

No comments.

3.5 Discussion Items

3.5.1 Emergency Transfer Limit Discussion

NYISO is working on the review of option 2 of the Emergency Transfer Limit definition and to be discussed at the January RRS meeting.

3.5.2 NYSRC Goals and Actions

3.5.2.1 Renewables PRR(s) Scope (Goal A.2A)

Approved by EC. Scope to be sent to EC by March 2022.

3.5.2.2 Extreme Weather & System Conditions PRR(s) Scope (Goal B.1A)

Goal 1-A is on agenda today and scope has been developed by Mr. Adamson. Purpose of scope paper is to identify if there is a need for a new reliability rule which will be drafted as well if a need exists. Both white paper and any associated PRRs will be completed by June or July. NYISO staff to perform studies not ICS. Mr. Gioia mentioned that the last bullet under 3 for the market participant rules may impact NYISO

documentation not NYSRC documentation. Mr. Burrell mentioned that this effort will be more impactful than just RNA studies, it will affect many planning and compliance reliability related studies. There will be a need to study, identify, and to detect changes to generation patterns depending on weather changes. Extreme weather changes may affect current load assumptions (example 90/10, 99/1, or net load). EC has directed Mr. Clayton and Mr. Smith to discuss load assumption surrounding DER impacts. **ACTION ITEM 262-2 Mr. Clayton and Mr. Adamson to work on white paper and potentially a PRR and draft this scope for presentation to EC in January.**

3.5.3 NERC Paper Clarifying the Interpretation & Use of the LOLE Resource Adequacy Metric

4.0 Informational Items

None

5.0 NPCC Directories

None

6.0 NERC SARS/Organization Standards

6.1 NERC Standard Tracking

None.

7.0 Additional Agenda Items

Change in secretarial function. The next RRS secretary will be from CONED. Mr. Mullin will discuss with Mr. Paszek to determine the new secretary.

8.0 Reports

8.1 NYSRC EC Meeting Report

None

8.2 NYSRC ICS Meeting Report

Mr. Shanahan reports a late in year ICS surprise. There was a notice of material change in Neptune cable return to service by May 1 so it will result in change on IRM. IRM affect will be studied. December ICS meeting has moved meeting from Monday to Friday after studies are run. Mr. Adams

working on text changes to report. As a result of this effort, the four day ahead posting requirement will not be met.

9.0 Next Meeting

Meeting #262 was adjourned at 10:58.

The next meeting (#263) is scheduled for Thursday, January 6, 2022 at 09:30 by WEBEX.