

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

***RRS/RCMS Meeting at the NYSERDA Offices
17 Columbia Circle, Albany, NY
Thursday, August 4, 2011***

Final Minutes of RRS Meeting # 144

In Attendance:

Alan Adamson	Consultant	Member
Larry Hochberg	NYPA (RRS Secretary)	Member
Roger Clayton	Electric Power Resources (Chairman)	Member
Roy Pfleiderer	National Grid	Member
Jim Grant	NYISO	Member
Paul Kiernan	NYISO	Member
Dan Head	Con Edison (RCMS Secretary)	Member
Henry Wysocki	Con Edison	Member-Phone In
Anie Philip	LIPA	Member-Phone In
Brian Gordon	NYSEG	Member-Phone In
Jeff May	Central Hudson	Member

Agenda Items

1.0 Introduction

RRS Meeting #144 was called to order by Mr. Roger Clayton at 9:30 AM.

1.1. Executive Session

No Executive Session was requested.

1.2. Requests for Additional Agenda Items

- 4.1 BES/BPS Definition-Impact on NYSRC Reliability Rules
- 4.2 2012 Meeting Schedule
- 4.3 Report on FERC Order 1000
- 4.4 Report on EPA/DEC Issues
- 4.5 EC Request for RRS to Consider Transmission Interface Testing Rule
- 4.6 SOAS report on high voltage during off-peak hours in April 2011

2.0 Meeting Minutes/Action Items

2.1 Approval of RRS Meeting Minutes #143

The meeting minutes were approved with changes as final.

2.2 Action Items List

87-5 Mr. Pfleiderer reported that the RPWG is working on developing a reactive reserve criteria. He also reported that RPWG is studying a condition that occurred on July 6, 2010 in the Sprainbrook area when transfers were restricted to lower levels than anticipated due to low system voltage.

141-1 Mr. Grant reported that NERC held a webinar on frequency response and members are to report on their recorded system response.

142-1 Mr. Grant reported that the NYISO had surveyed the TOs on TO operated UVLS schemes with a reporting deadline of next week. He said all TOs except one have reported back and those reporting said they do not have any UVLS schemes in service. Mr. Grant said that when all information is received it will be analyzed by the NYISO. The AI due date was changed to 9/1/11.

142-2 Mr. Wysocki reported that the last MOB tranche was invoked by Con Edison on July 22, 2011 in the morning and was removed around 11PM that evening.

143-1 Mr. Adamson reported that he had discussed the Policy 6 issues with Mr. Gioia. Mr. Adamson will send Mr. Gioia his specific concerns about this policy for Mr. Gioia to work on. The AI due date was changed to 9/1/11.

143-2 Completed.

3.0 NYSRC Reliability Rules Development

3.1. List of Potential Reliability Rules Changes

PRR 8 There was no action.

PRR 97 There was no action, RRS is waiting for NERC.

3.2. NPCC Rules Revisions Updates

Mr. Adamson reported that NPCC is reorganizing the format of its glossary of terms, and that there are no new terms that have been proposed.

3.3. NERC SARs/Organization Standards

NERC Standard Tracking

Regarding TPL 001-2, Mr. Adamson reported that the ballot passed and is now going to the Board of Trustees for adoption. He noted that this new standard will impact the NYSRC rules.

4.0 Additional Agenda Items

4.1. BES/BPS Definition-Impact on NYSRC Reliability Rules

Mr. Clayton reported that the NERC BES drafting team is in the process of reviewing comments it has received. He noted that FERC has expressed a concern that reliability could be harmed if some elements that were previously included as bulk elements are now excluded by the new definition. He cited radial lines as an example of this. He also said FERC seems to be concerned about the drafting team's proposal to raise the level for including BES generators from 20 MVA to 75 MVA. The next BES definition draft standard posting which will include comments received is expected in late August.

4.2 2012 Meeting Schedule

Mr. Adamson reported that the EC's 2012 meeting schedule was approved at its last meeting and that ICS's schedule was approved by ICS yesterday. RRS discussed and agreed on the 2012 meeting dates. Mr. Adamson will have the final schedule posted on the NYSRC website.

AI 144-1: Mr. Adamson agreed, as an Action Item, to have the final 2012 meeting schedule posted on the NYSRC website.

4.3 Report on FERC Order 1000

Mr. Clayton summarized the salient points of FERC Order 1000 as follows: The order requires regional (meaning ISO's) and inter-regional transmission plans and that the new facilities specified in these plans have an agreed cost allocation to be recovered only from the beneficiaries of the project. The FERC order also removes the TO's right of first refusal to build the project.

4.4 Report on EPA/DEC Issues

Mr. Clayton reported that approximately 3000 MW of NY generation would have difficulty meeting the requirements of the new EPA Cross State Air Pollution rule. He noted that this rule replaces CATR and CATR (small) on his environmental issues spreadsheet and compliance is required by January 2012. He stated that units that cannot comply will either go off line or be required to purchase allowances, if available. Mr. Clayton noted that various subject experts on this new rule feel the calculations used to develop the rule are flawed and the EPA modeling and data will probably be challenged. He also reported that Mr. Carney gave a presentation on the implications of this rule to ICS yesterday and will be repeating it at next week's EC meeting.

4.5 EC Request for RRS to Consider Transmission Interface Testing Rule

Mr. Clayton reported that at the last EC meeting, Mr. Bolbrock expressed concern that there is not a reliability rule that addresses the impact of new facilities on transmission transfer capability. Mr. Clayton stated that Mr. Bolbrock suggested that the NYSRC should consider developing a new rule that would prevent a developer of new facilities from lowering established transmission transfer limits (thermal, voltage and stability limits). RRS discussed the use of transfer limits in the various NYISO studies and operations. This included a discussion of the role thermal, voltage and stability constraints play in real time operation, IRM studies, SRIS minimum interconnect studies as well as deliverability studies. RRS noted that in some cases interface limits are not fixed, but can vary as a function of system conditions, such as thermal interface limits. RRS also noted that in real time operation, thermal interface limits developed in operating studies are not constraining, rather individual elements are monitored for potential thermal overloads. RRS concluded that questions remain regarding the NYISO's use of interface transfer limits in studies and operations and whether or not reliability is negatively impacted if they are lowered due to the introduction of a developer's project. Mr. Clayton agreed to pose these questions in an email to Mr. Adams.

AI 144-2: Mr. Clayton agreed, as an Action Item, to send an email to Mr. Adams questioning the role transmission interface transfer limits play in the various NYISO studies and operations and whether reliability is negatively impacted if they are lowered by a developer's project.

4.6 SOAS report on high voltage during off-peak hours in April 2011

Mr. Hochberg reviewed a NYISO presentation on high voltage during off-peak hours given at the June SOAS meeting at the request of the NYISO Operating Committee. He expressed

concern about the reliability impact of various actions the NYISO has taken on several occasions to combat high voltage at Coopers Corners 345kV station. More specifically, he expressed the greatest concern about the number of times and length of time the Marcy-Coopers Corners 345kV circuit was removed from service over weekends in April 2011 to deal with the high voltage. Reliability concerns discussed at RRS included the possibility of not being able to return the line to service in time for the Monday load pickup (a concern expressed by Mr. Gordon), maintenance on adjacent lines or equipment that may have to be deferred and excessive breaker operations. He also expressed concern about the reliability impact of taking the Marcy STATCOM and Fraser and Leeds SVC's out of their normal operating mode to use them to absorb MVAR's, as this reduces or eliminates their dynamic operating range. While it was agreed that all these measures are allowable tools for the NYISO to use, it was noted that removing lines from service should only be done as a last resort. Mr. Hochberg said that a much more efficient and effective method to control regularly occurring high bus voltage at Coopers Corners is to install an appropriately sized shunt reactor at that location. RRS discussed the possibility of having an appropriate NYISO group perform analysis and make recommendations on this issue. Mr. Hochberg also suggested that the NYSRC may want to consider monitoring instances of 345kV lines being removed from service for high voltage by having it added to the NYISO monthly Operations Report. Mr. Hochberg was asked to investigate what prompted the OC's action item and what further action the OC has taken as a response to the SOAS report regarding this issue.

AI 144-3: Mr. Hochberg agreed, as an Action Item, to investigate what prompted the OC's action item and what further actions are being taken by the OC in response to the SOAS report on the Coopers Corners high voltage issue.

5.0 Committee Reports

5.1. NYSRC EC Meeting Report

There were no additional RRS items to report on.

5.2. NYSRC Installed Capacity Subcommittee (ICS) Meeting Report

Mr. Adamson reported that the IRM report glossary is still under development. He also reported that Mr. Carney stated that the new EPA cross-state air pollution rule would not have an impact on the 2012 IRM.

6.0 Next RRS/RCMS Meeting

RRS meeting #144 was adjourned at 12:00 PM.

The next RRS/RCMS joint meeting is scheduled for Thursday September 1, 2011 at 9:30 AM in the NYSERDA offices located at 17 Columbia Circle, Albany, NY.