

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

*Final Minutes of Meeting #105  
RRS Meeting @ NYSERDA Offices  
17 Columbia Circle, Albany, NY*

*Thursday, March 6, 2008*

**In Attendance:**

Henry Wysocki	Con Edison	Member
Robert Waldele	NYISO	Guest
Larry Hochberg	NYPA	Member
Brian Gordon	NYSEG (Secretary)	Member
Al Adamson	Consultant	Member
Roy Pfeleiderer	National Grid	Member
Mike Schiavone	National Grid	Guest
Dean Ellis	NYISO	Member
John Adams	NYISO	Alternate Member
Erin Hogan	NYSERDA	Guest
Roger Clayton	Electric Power Resources (Chairman)	Member
Bob Loughney	Couch White LLP for Multiple Interveners	Guest
Michael Caufield	Alcoa	Guest
James Brew	Brickfield, Burchette, Ritts, & Stone- Nucor	Guest
David Mahlmann	NYISO	Guest
Jonathan Appelbaum	LIPA	Member
Joseph Williams	NYISO	Guest
Mayer Sasson	Con Edison	Guest
Rob Pike	NYISO	Guest
Jon Charlton	NYISO	Guest

**Agenda Items**

**1.0 Introduction**

Meeting 105 was called to order by Mr. Clayton at 09:30. Introductions were made because of the number of new members. Mike Schiavone would like to discuss PRR-95 at 10:00. Mayer Sasson would like to discuss his PRR template at 11:00. This meeting Brian Gordon will start the role of Secretary.

## **1.1 Executive Session**

No Executive Session was requested.

## **1.2 Requests for Additional Agenda Items**

The following additional agenda items were requested:

Mr. Jeremko sent a new roster format. Mr. Pappas sent out an updated roster with a revision for a single telephone number correction, correct on Mr. Jeremko's roster.

RRS new member is Henry Wysocki replacing Betty Law.

## **2.0 Meeting Minutes/Action Items**

### **2.1 Approval of RRS Meeting #104 Minutes**

The minutes of RRS Meeting #104 were approved without change as final. Mr. Hochberg will distribute the approved final minutes.

### **2.2 Action Items List**

The following Action Items were reviewed,

**AI 43-1** Monitor progress of NYISO investigation of governor response (PRR 52) (Ellis)

Mr. Ellis reported on a completed statewide governor survey last month with results presented to SOAS and OC. Response was good 4% or 5% or better. Mr. Ellis will send summary results to the Chairman for submission to group for the next meeting (AI 105-1).

**AI 43-9** Monitor the potential need to revise definition of NYS Bulk Power System (Ellis)

This is an ongoing process in conjunction with the NPCC A-10 work. See discussion in Agenda Item 3.1.

**AI 52-1** Based on the results of post 8/14 studies determine if new/revised rules are required regarding definition of areas and tripping times on UFLS relays. (PRR52) (Ellis)

The study is to be completed later this year. Mr. Clayton, Mr. Waldele, and Mr. Appelbaum attended a Defensive Strategies Working Group meeting. Work is ongoing and there may be a recommendation to have more UF load tripping stages (finer increments) for New York.

**AI 83-8** Review RFC and ISO-NE Criteria, Rules and Standards (RRS)

This item is ongoing with no best practices reported.

**AI 84-1** Complete PRR 84 following NPCC approval of A-3 (Pappas)

There was nothing new to report on this item. Awaiting approval or posting of A-3 or its derivative document.

**AI 87-5** RRS to monitor Reactive Power WG discussions on NERC Rules regarding generator reactive capability (RRS)

There was nothing new to report on this item. Review of base case ongoing.

**AI 88-5** RRS to monitor Wind Generator Structural Performance for PRR application (RRS)

There is an outstanding request to a wind industry representative (Ms. Strauss) without any response to date. PSC has taken action on this item. This action item is considered closed.

**AI 93-2** Ted Pappas will review System Restoration Criteria (A-12) for potential rule changes (Pappas)

Comments were due by end of month. Good comments on NPCC website in addition to the group's comments.

**AI 101-1** Ms. Strauss will provide additional data and commentary on wind turbine failure incidents from available 'industry sources.

Information has not been received yet. Action item closed for same reason as AI 88-5.

**AI 102-3** Review frequency response rules for other area and determine the need for a NYSRC rule. (Pappas)

This item is ongoing. See section 3.1. This was a factor in ERCOT disturbance.

**AI 103-1** Review BPS facilities list and the group should be prepared to discuss rule and/or definition options (RRS)

This will be discussed later in this meeting in Agenda Item 3.1.

**AI 103-3** Review rules for changes based on new draft A-4 (Wysocki)

Ms. Law and Mr. Wysocki agree that no changes in Rules H-R1 and H-R2 are required. Action item closed.

**AI 104-1** Send updated RRS roster to Mr. Jeremko & RRS

Completed & item closed.

**AI 104-2** Ask Mr. Mahlmann to attend next RRS meeting

Completed & item closed.

**AI 104-3** Draft and send out to RRS a PRR base on rule changes required due to NPCC A-13 and A-14 and NERC MODs 024 and 025 (Gordon)

Sent notes to Chairman and will be discussed later in meeting. Action item is to be closed.

**AI 104-4** Draft and send out to RRS a PRR template to modify B-M4 in accordance with NYISO requirements (Ellis)

Bulk Power System definition discussion will be able to include this item. Item still open 4/3/2008.

**AI 104-5** Determine / send NYISO personnel to provide overview of NYISO system data collection procedures (Ellis)

This will be part of Mr. Sasson discussion of GADS data later in the meeting in Agenda Item 3.1

**AI 104-6** Request Mr. Carney to attend RRS #105 to provide results on LOG / MOB – RGGI / HEDD study (Ellis)

Mr. Carney will not present report at this meeting as scope is too large to present. Incidents of curtailment due to RGGI rules are much higher than expected on LOG / MOB units. Close this action item and create new action item for Mr. Carney to present results of his study at the next meeting (AI 105-2)

**AI 104-7** Send to RRS NPCC document C-43 (Adamson)

Was done and will be presented later. Completed & action item closed.

### **3.0 NYSRC Reliability Rules (RR) Development**

#### **3.1 List of Potential RR Changes**

RRS reviewed the list of potential rule changes.

**PRR 8** Reactive Load and Resource PF Requirements at BPS/LSE Boundaries (Ellis)

This template is still on hold.

**PRR 52** Generator Governor Response (Ellis)

This is covered under AI 43-1 and AI 52-1.

**PRR 84** Revision to F-R8 Operations during major emergency (Pappas)

Awaiting approval / posting of A-3 or its derivative document.

**PRR 95** Modification of System Restoration Measurements G-M2 and G-M5 (Appelbaum)

Messrs. Schiavone and Mahlmann comments were received by the deadline. EC sent comments back to the RRS.

Mr. Schiavone requested that annual “simulations” be replaced by “annual drill” if utility does not have access to a simulator. Detailed plan does not exist at National Grid because every Blackout is unique. He has a philosophical problem with Black Start and other generators attending NYISO and TO training sessions as a requirement. It should not be required because they only need to be proficient in their own black start procedures. NYISO states black start operators have not attended NYISO training but the NYISO have interpreted that it was not appropriate for the NYPA generators. Mr. Schiavone requested that “annual exercise” be replaced by “annual training”. Exercise implies training simulator capability instead of a tabletop drill.

Mr. Mahlmann agrees with Mr. Schiavone to replace “training” instead of “exercise”. He also agrees with replacement of “simulation” for “drills”. He also concurs with the deletion of the requirement for black start operators attending NYISO and TO training sessions. Many other things will need to be addressed in the reliability rules concerning restoration (outside of PRR95). NYISO concurs with National Grid’s position. Mr. Mahlmann states that future NERC requirements will focus on speed of restoration and the need to reflect maintenance outages into restoration plans. Mr. Mahlmann agreed to submit a new PRR based upon NERC requirements at the appropriate time (AI 105-3).

RRS is concerned with eliminating the requirement of the black start generator operator attending NYISO or TO training sessions for restoration. This requirement is at the NERC level. Redundancy is not a problem. PSC has supported this as a result of the Blackout of 2003. RRS supports the other comments of NYISO and National Grid.

Mr. Appelbaum to revise PRR 95 as discussed to be sent to Mr. Clayton for reposting (AI 105-4).

**PRR 93** Operating reserve resource eligibility using load as a reserve.

From previous discussions, the issue was with time varying loads at the beginning of a bid period to drop load and will they maintain this reduction of load until the end of the bid period.

Mr. Pike gave a “Demand Side Resources Providing Ancillary Services” presentation. Mr. Pike requested an interpretation of this rule (D-R3) in the case of batch loads that may bid in as a Demand Side Resource at the bottom of the load cycle. From the time of the dispatch instruction, the RRS ruled that there

must be more generation or less load to be considered a reserve ancillary service over the whole of the bid period.

### **PRR 97: Generation Facilities Availability Data Reporting Consistent with Terminology Definition in NERC GADS Reporting**

Mr. Sasson discussed the reporting of GADS data. He states that the wording of “forced”, “partial”, and “outage” was not defined in the NYSRC Reliability Rules. Mr. Sasson explained that although NERC GADS data reporting is now required by NYISO procedures, this should be also required by the NYSRC reliability rules.

The NYSRC Reliability Rules state that generators must accurately report to the NYISO generator outage data and that the NYISO establish a procedure to collect this data. In accordance with this requirement, NYISO has developed a procedure to use NERC GADS, which is defined in its ICAP Manual.

Mr. Sasson suggested a wording change “must be submitted with NERC GADS data or equivalent to GADS data”. Further, he explained a scenario where a generator could extend a maintenance outage by doing additional tasks which extended the outage. The extension should be considered a forced outage. Mr. Sasson states that NERC GADS or equivalent to GADS data would better define these data reporting requirements than the term “accurate”.

With the exception of Mr. Wysocki, RRS and NYISO do not support this reliability rule change as it is written. Mr. Sasson will continue to work with the NYISO to refine wording that would be acceptable and supportive by the NYISO for submission to the RRS (AI 105-5).

Break at 11:59 for lunch.

### **PRR 96 Verification testing of Resource Capacity (A-13/A-14)**

Comments from Mr. Gordon are not currently in template form but a discussion followed that indicated that the existing Measurement C-M1 focused on DMNC testing and the reporting of net values. The NPCC documents are requiring Net MW, Net MVAR, Gross MW, Gross MVAR, station service real power, and station service reactive power at the time of the capability testing.

Simultaneous testing was meant to be more stringent than NERC and NPCC. Station service loads on combined cycle plant can be switched on different units so you could have a unit without station service. Seasonal requirements are new. Mr. Clayton states that C-M1 does not define the term DMNC test and that C-M1 should define the test. He further indicated it does not state that resources should perform a DMNC test. Statement was found in the original and that statement must be retained. Mr. Appelbaum commented that plants with multiple units should require some procedure for the treatment where the station service loads were located.

Mr. Adamson states that the new measurement should be combined with CM-1 at the end. He also states that Planning Authorities are not applicable in the NYSRC Reliability Rules. Entire phrase should be replaced with market participants. Mr. Adamson suggests change of statement that reads “within 60 days of the close of the capability period” to “within 60 days of the close of the seasonal capability periods”.

Mr. Gordon will provide revised comments in template form (AI 105-6). RRS will wait for NPCC approval of A-13 & 14 before PPR can be finalized.

#### Discussion of Florida Blackout

Information to date indicates a technician was working in a 500 / 230 KV substation and switched off all primary and secondary protection. While the maintenance was being performed a circuit switcher faulted. Results were that multiple 115 kV and 230 kV lines tripped along with the generation that was lost. This was not considered to be a design contingency and may instead be considered as a category 4 disturbance.

#### Discussion of ERCOT Load Shed

Wall Street Journal article concerning the event mentioned that the wind resources went from 1700 MW to 300 MW resulting in the event. There is a concern that many details are missing from the currently available outage reports to clearly indicate that the wind power plants were the sole cause of the problem. Are there lessons for New York? NYISO now has about 400 MW of wind power plants installed with additional coming online this year. ICS is looking at wind power in the IRM study modeling and NYISO has a statewide forecasting system for better handling of this energy source.

#### Bulk Power System Definitions

NYISO has not received any notification that NYISO’s performance based bulk definition list has been approved by NPCC. NPCC is in the process of developing a regional standard for bulk power definition that will include document A-10 requirements and is performance based. The problem is that NYISO’s definition and list is different than the current NYSRC BPS definition.

The ensuing discussion concluded that NYSRC should adopt the NYISO definition in order to avoid confusion, and should cover the NYISO’s secured system within the *New York Power System*. Mr. Ellis indicated that the term bulk power system shows up 120 times in the Reliability Rules. Within the Reliability Rules, the context does vary a few times; therefore, any review will need to be done carefully. Secured system may be a better definition in certain usages of the word.

As action items, Mr. Ellis will look at initial NYISO documents for allowable terminologies and Mr. Adamson will review the Reliability Rules for bulk power system rewording (AI 105-7).

## Cross Reference NYSRC/NPCC/NERC

Mr. Adamson has completed a new cross reference list.

## NYS Department of Environmental Conservation

There is a meeting with NYS Department of Environmental Conservation on 3/14/08 to inform the DEC of major potential reliability problems if RGGI/HEDD rules are implemented.

### **Agenda Item 3.2**

#### NPCC Criteria Revision

The table was reviewed at meeting for updates.

There was discussion on SAR process. NERC allows stakeholder comments NPCC does not.

### **Agenda Item 3.3**

#### NERC Standard Tracking

NERC Standard Tracking list was reviewed.

The FAC-011 SAR proposed by NYSRC concerning single mode failure that involves multiple elements was approved to post for comments. Comments have been received. A drafting team is in the process of being formed.

New NERC Standard PER-005-1 for comment is for System Personnel Training. Ted Pappas will review training standards. (AI 105-8)

## **4.0 Additional Agenda Items**

**None**

## **5.0 Reports**

Many committees are reviewing Steve Jeremko's new roster format. Steve will initially start list, but will transition to Carol Lynch with future updates. RRS agreed to adopt this new format for the RRS Roster.

ICS update for new IRM study. Environmental requirements start in 2009. They are working on base case assumptions and wind modeling issues.

## **6.0 Next Meeting**

Meeting #105 was adjourned at 2:30 pm.

Next meeting (#106) is scheduled for Thursday, April 3, 2008 at 9:30 in the NYSERDA offices located at Columbia Circle, Albany, NY.