

FINAL

New York State Reliability Council (NYSRC) Reliability Rules Subcommittee (RRS) Minutes of Meeting #13

O&R- Blue Hill Building, Pearl River, NY

Wednesday & Thursday, May 31-June 1, 2000

Attendance

Mayer Sasson (Chairman)	Consolidated Edison Co. of New York, Inc.	Member
Roger Clayton* (Secretary)	PG&E Generating	Member
Keith O'Neal	New York State PSC	Member
Steve Corey*	NYISO	Member
Larry Eng**	Niagara Mohawk Power Corp.	Member
Larry Hochberg	New York Power Authority	Member
Phil Davis	KeySpan Energy	Member
Ray Kinney*	New York State Electric and Gas Corp.	Member
Alan Adamson*		Consultant
John Adams** *	NYISO	Guest
Mike Calimano***	NYISO	Guest
Vinod Kotecha**	Consolidated Edison Co. of New York, Inc.	Guest

* = Did not attend, ** =Attended part time, *** =Attended part time by phone

1.0 Introduction

Mr. Hochberg took the minutes in Mr. Clayton's absence.

Mr. O'Neal voiced a general concern about the consistency of attendance at RRS meetings. RRS agreed to identify members' attendance status in the minutes and requested Mr. Sasson to raise the issue in general terms at the next EC meeting.

1.1 Request for Additional Agenda Items

The posted agenda was discussed and amended as follows.

- Briefing on ISO-MOU Meeting was accepted under Agenda Item 7.1.

There being no further discussion, the agenda was adopted.

1.2 Topics for Open Session

The open session agenda items were reviewed briefly in preparation for the open session.

2.0 Meeting Minutes/Action Items

2.1 Approval of RRS Minutes #12

The RRS Meeting #12 Minutes were unanimously approved with minor revisions.

2.2 Action Item List

Updated action item list is attached.

3.0 Report on NYSRC EC Meeting #13

Mr. Sasson updated RRS regarding EC meeting #13 discussions on the NOx, quick start, operating reserves and generator availability data issues. Regarding the FERC Order in Docket No. EL00-75-00, RRS did not have comments that could be recommended to the EC other than to be supportive of FERC's objectives for Summer 2000. Some Transmission Owners have supplied comments to FERC.

4.0 Development of NYSRC Policy on "Reliability vs. Economics"

RRS formulated concepts that could be included in a draft policy statement on reliability vs. economics. These included:

- a) The level of reliability that existed prior to formation of the NYISO shall be maintained without regard to economic considerations. Refer to the NYSRC Agreement.
- b) Economic impacts should be considered when formulating new rules that would change the level of reliability that existed prior to the startup of the NYISO.

Mr. O'Neal agreed to prepare a draft statement with a few application examples and circulate it to RRS. The draft will be forwarded to the EC by 6/8/00.

5.0 NYSRC RR Development

The list of potential RR changes contained in the minutes of meeting #12 was reviewed. Some rules were removed and several assignment responsibilities were changed. The following is an updated list of potential RR changes which includes persons assigned to develop a formal request to the NYSRC according to the NYSRC rule changes procedure (Policy No. 1-1). Also included is a column showing

actions taken at this meeting. For the next RRS meeting, a request was made for each assignee to write a 1-2 sentence explanation of the potential RR change.

	<u>Potential Rule Change</u>	<u>Assignee</u>	<u>RRS Action</u>
1.	Changed P-V criterion	S. Corey	
2.	Planning responsibility (NY ISO TEI 5.3)	N/A - NYISO issue	Remove from list.
3.	Prioritization. Planning by queue position or by group	N/A - NYISO issue	Remove from list.
4.	Definition of BPS	S. Corey	
5.	Provision for Emergency Actions	K. O'Neal (T)	
6.	Reserve requirements as a function of demand elasticity		Remove from list.
7.	ICAP 1/10 & EOP criteria	M. Cordeiro	Assignee changed.
8.	Reactive load and resource PF requirements	S. Corey	
9.	Normal/extreme contingency definition	S. Corey	
10.	Incremental impact criterion	S. Corey	
11.	CBM/TRM issues	R. Clayton	
12.	Disturbance reporting	L. Eng	
13.	Long term reserve requirements (ISO/RC Agreement, Article 4.5)	K. O'Neal	
14.	ICAP assumptions on generators to be included in study	M. Cordeiro	
15.	Replacement Operating Reserve	K. O'Neal (T)	Completed. Remove from list.
16.	“Quick Start” Mode for 30-Minute GTs at Gowanus & Narrows	M. Sasson (T)	Completed. Remove from list.
17.	Impact of local RR on local and state wide reserve requirements	N/A-ICAP WG issue	Remove from list. Analyze as part of ICAP study.
18.	Special Protection Systems – Application Criteria	R. Clayton (T)	Agenda item for next meeting.
19.	15 minute reserve criterion		Remove from list.
20.	Multiple utilities on same ROW	V. Kotecha	Assignee added.
21.	Restoration criteria	M. Sasson	Assignee added.
22.	Protection criteria	S. Corey	
23.	Generator Unit Availability Data Requirements	A. Adamson (T)	Completed.
24.	Interconnection requirements		J. Adams to discuss with S. Corey.
25.	NOx Emissions – DEC criteria and impact on dispatch in NYC	M. Sasson	
26.	Equipment maintenance criteria	P. Davis	Remove from list.

27.	System data maintenance		Description of potential rule required Potential rule added.
28.	Ramp-rate reserve criteria	M. Sasson	

(T) Template completed

It was agreed to consider prioritizing the list of potential rule changes at the next meeting.

RRS discussed further actions on several rules:

Potential Rule #15-Replacement Operating Reserve

It was noted that the EC adopted this new rule on an expedited basis. Mr. O’Neal agreed to draft a notification letter from the NYSRC to the ISO with copies to FERC and PSC as per NYSRC Policy No. 1-1. The draft is to be sent to RRS and RCMS for comments by Wednesday, June 7. The notification letter is to include a request to the ISO regarding compliance with the rule. Mr. Sasson will request Mr. Fleury to broadcast the adoption of the rule to all market participants.

Potential Rule #23-Generator Unit Availability Data Requirements

The EC approved this potential rule for posting on the NYSRC web site for comments. Mr. Sasson will ask Mr. Fleury to notify the ISO to broadcast the posting of the rule to all market participants. RRS agreed to recommend to the EC that Policy No. 1-1 be modified to include the broadcast notification.

Potential Rule #25—NOx Emissions:

Messrs. Davis and Sasson briefed RRS on recent experience in their areas with regard to the NOx issue. Problems highlighted and discussed by RRS included:

- a) It was observed that there have been frequent reserve pick-ups and/or startup of 10 and 30 minute GTs for load following to meet NERC/NPCC control performance criteria. This did not occur so frequently under NYPP operations when utility system operators continuously anticipated system generation requirements. Ideally there should not be reserve pick-ups for load following. Running GTs in the morning for load following can potentially result in using up their NOx allowance and make them unavailable later in the day if needed when peak loads occur or for an emergency such as a generator or transmission system contingency. This is because the unit commitment programs do not have provision for NOx constraints. Also, the GTs may not be available for system contingencies if already running to serve load. Mr. Sasson described an incident that occurred on 5/23/00 when a GT that could have helped during a system contingency had to be shut down due to NOx because it was running earlier in the day.

- b) The DEC waiver, while still being pursued as an option, is seen as being used only rarely, possibly in a potential load-shed emergency situation. It is not considered to be a viable option for use on a daily basis. Thus, a different solution to the problem needs to be found and implemented prior to the summer peak season.
- c) It was observed that there is a discrepancy between the generation ramp rate requirement determined by the day-ahead Security Constrained Unit Commitment program (SCUC) and the actual generation ramp rate required in real time operations. While the day ahead SCUC solutions are feasible i.e. enough regulation is committed to meet load changes, in real time operations the load/generation mismatch is frequently large enough to require reserve pick-ups and/or start up/commitment of 10 or 30 minute GTs to meet criteria. Several possible reasons for the discrepancy were discussed including: actual load ramp is non-linear and different than the linear ramp assumed by SCUC, SCD forces zero crossings which may be at odds with required response rate, generators may not be meeting schedule, out-of-state transactions may be cut.

Messrs. Calimano and Adams were consulted during the discussions and generally agreed with the observations. Mr. Calimano indicated that some changes are being made to ISO operations that may help in the future.

RRS agreed that the ISO should conduct a study to analyze the problem and seek specific solutions. RRS also discussed the concept of adopting, on an expedited basis, a ramp-rate reserve rule that would, in effect, cause the SCUC program to commit day-ahead additional regulation capability. It was agreed that additional generation ramp capability should reduce the need for reserve pick-ups and start up of 10 and 30 minute GTs. Mr. Sasson developed a preliminary draft rule that was reviewed at the meeting. He will send to RRS the draft rule and a draft cover letter for comments in time to be on the agenda for the next EC meeting. RRS agreed to suggest that the rule could be implemented in time for this summer by increasing the amount of regulation procured by the ISO above the current level of 70MW/min. RRS to review NERC Operating Policy 1 as regards control performance.

6.0 Millennium Pipeline

The RRS had scheduled to meet with Millennium on 6/1 to discuss the pipeline routing issue. Millennium notified RRS on 5/31 that they could not make the 6/1 meeting. Millennium will be invited to the 6/26 RRS meeting.

Mr. Kotecha provided a detailed briefing to RRS on the revised pipeline route that Millennium has filed with FERC. He noted that FERC has rejected the application due to insufficient information. Also, he indicated that parties have 30 days from the filing date (5/16) to respond to FERC. RRS agreed that the new proposal is better than the original, but still unacceptable due to the following remaining reliability concerns: alternative route avoids close proximity to the six 345kV lines section, but is still within 50-100 ft. of four 345kV lines supplying NYC, LI and Westchester; alternative route contains five ROW crossings of four 345kV lines; a safe separation distance between the pipeline and the electric transmission lines and towers has not been identified. Mr. Kotecha stated that there are several

other routes available to Millennium that could avoid the critical Con Ed 345kV ROWs. In summary, the concerns contained in the original NYSRC filing to FERC remain.

RRS agreed to recommend that a response to FERC be drafted by the same group that prepared the original response. Mr. Kotecha will supply a summary of the technical issues and concerns regarding the alternate route. Mr. Sasson will forward the RRS recommendation to the EC by 6/2.

7.0 Additional Agenda Items

7.1 ISO-MOU Meeting

Mr. O'Neal informed RRS of a new organization that was formed based on a Memorandum of Understanding among four ISOs-NYISO,ISO-NE, PJM, and IMO (Ontario Hydro Independent Market Operator). The organization functions to facilitate and coordinate inter-ISO power system operations. Mr. O'Neal reported on an open meeting of this organization he attended on 5/22. There are five working groups of the organization holding regular meetings: operating, planning, business issues, communications and information technology. Mr. O'Neal suggested that RRS consider attendance at the operations and planning WG monthly meetings. He will e-mail RRS the MOU web site address and attach notes of the meeting.

8.0 Open Session

The open session ran from 1105 to 1115 with one participant on-line.

8.1 NYSRC ICAP WG Report

There was no update. ICAP WG liaison was not in attendance.

8.2 NYSRC RCMS Report

There was no update. RCMS liaison was not in attendance.

8.3 NYSRC RRS - NERC/NPCC Compliance Report

There was no update available.

8.4 NYSRC RR Development Report

Mr. Sasson reported the following:

- a) The new operating reserves rule has been adopted and posted on the NYSRC web site. Although being adopted on an expedited basis, comments were welcomed according to procedure.

- b) The generator unit availability data rule was revised to include unavailability due to NOx constraints and posted for comments on the NYSRC web site.
- c) The quick start requirement was adopted as an application of local reliability rule #1 as described in Mr. Bolbrock's letter to Mr. Museler. The ISO is to add the application to the ISO Transmission and Dispatch manual.
- d) RRS is currently discussing the discrepancy between the day-ahead unit commitment and real-time operation which is resulting in frequent reserve pick-ups and commitment of 10 and 30 minute GTs to meet load. This is a reliability concern if GTs become unavailable or cannot respond to contingencies if already running.
- e) The EC had requested RRS to review the Millennium Pipeline issue. NYSRC had submitted a filing with FERC regarding concerns about the pipeline route. FERC requested Millennium to discuss the route with NYPSC and NYSRC. RRS had scheduled a meeting with Millennium, but Millennium cancelled.

9.0 Next Meeting

The date and location of meeting #14 was changed.

RRS Meeting #14 was scheduled to be held at the O&R-Blue Hill Building-Pearl River, NY Monday, June 26, 2000 (starting time to be announced).

Final Minutes of Meeting #13. Submitted to RRS by Larry Hochberg/Roger Clayton on July 7, 2000.