

## ***FINAL***

### ***New York State Reliability Council (NYSRC) Reliability Rules Subcommittee (RRS) Minutes of Meeting #17***

***Con Edison Energy Control Center, New York City, NY***

***Friday, October 6, 2000***

#### **Attendance**

Mayer Sasson (Chairman)	Con Edison	Member
Roger Clayton* (Secretary)	PG&E National Energy Group	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
Pat Callahan***	Rochester Gas & Electric	Member
Alan Adamson		Consultant
Joe Fleury***	New York State Electric and Gas Corp.	Representing Ray Kinney

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

#### **1.0 Introduction**

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

#### **1.1 Request for Additional Agenda Items**

The posted agenda was discussed and amended as Additional Agenda Items 5.1 - 5.3 covered later on in these minutes. There being no further discussion, the amended agenda was adopted.

#### **1.2 Topics for Open Session**

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

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

## 2.1 Approval of RRS Minutes #16

The RRS Meeting #16 Minutes were unanimously approved with minor revisions.

## 2.2 Action Item List

The Action Item list was reviewed. An updated action item list is attached. Regarding AI 11-7, it was reported that NPCC document being developed by CO-9 is not yet ready. Mr. Davis will provide RRS with the status of NYISO comments on the document (AI 17-1). AI's 14-1, 14-3, 16-1 through 16-4 were completed. Regarding AI 15-1, Mr. Adamson had sent RRS drafts of the statewide reliability study. He was requested to issue an updated draft of the statewide study (AI 17-2). Messrs. Davis and O'Neal noted that Mr. Clayton had sent out a press release indicating that the California ISO is permitted to violate NOx emissions limits. The release will be discussed at the next RRS meeting (AI 14-3).

## 3.0 Report on NYSRC EC Meeting #17

Mr. Fleury provided the following status report:

- The 2001 budget is \$500,000 and has not yet been approved. The EC is exploring funding of the NYSRC through a TO transmission surcharge.
- Mr. Loehr volunteered to fill the post of Public Information Chairman.
- The EC was updated on the status of the Statewide reliability study, NYISO studies and the discussions RRS had with Columbia Gas Transmission on the Millennium project.
- Status reports were provided on RRS, ICAP WG and RCMS activities.

## 4.0 NYSRC RR Development

Mr. O'Neal had issued RRS a draft template for potential rule #30. Due to time constraints, discussion of potential RR changes was postponed until the next RRS meeting.

	<u>Potential Rule Change</u>	<u>Assignee</u>	<u>RRS Action</u>
1.	New "knee of the curve" P-V criterion	S. Corey	Prepare template
<del>2.</del>	<del>Planning responsibility (NY ISO TEI 5.3)</del>	<del>N/A NYISO issue</del>	<del>Remove from list</del>
<del>3.</del>	<del>Prioritization. Planning by queue position</del> <del>or by group.</del>	<del>N/A NYISO issue</del>	<del>Remove from list</del>
4.	Definition of BPS	S. Corey	Prepare template
5.	Provision for Emergency Actions	K. O'Neal	Template completed
<del>6.</del>	<del>Reserve requirements as a function of</del> <del>demand elasticity</del>		<del>Remove from list</del>

<del>7.</del>	<del>Study impact of changes to ICAP 1/10 ICAP WG &amp; EOP criteria</del>		<del>2001 IRM study.</del>	<del>Remove from list.</del>
8.	Reactive load and resource PF requirements at BPS/LSE boundary	S. Corey		Prepare template
9.	Normal/extreme contingency definition	S. Corey		Prepare template
<del>10.</del>	<del>Incremental impact criterion</del>	<del>S. Corey</del>		<del>Remove from list</del>
<del>11.</del>	<del>CBM/TRM issues</del>	<del>R. Clayton</del>		<del>Remove from list</del>
12.	Disturbance reporting	L. Eng		Coordinate with NYISO disturbance reporting
<del>13.</del>	<del>Long term reserve requirements (ISO/RC Agreement, Article 4.5)</del>	<del>K. O'Neal</del>		
<del>14.</del>	<del>ICAP assumptions on generators to be included in study</del>	<del>ICAP WG</del>	<del>2001 IRM study</del>	<del>Remove from list</del>
<del>15.</del>	<del>Replacement Operating Reserve</del>	<del>K. O'Neal (T)</del>		<del>Completed. Remove from list.</del>
<del>16.</del>	<del>"Quick Start" Mode for 30 Minute GTs at Gowanus &amp; Narrows</del>	<del>M. Sasson (T)</del>		<del>Completed. Remove from list.</del>
<del>17.</del>	<del>Impact of local RR on local and state wide reserve requirements</del>	<del>ICAP WG</del>	<del>2001 IRM study</del>	<del>Remove from list</del>
18.	Special Protection Systems – Application Criteria	R. Clayton		Template completed
<del>19.</del>	<del>15 minute reserve criterion</del>			<del>Remove from list.</del>
20.	Multiple utilities on same ROW	V. Kotecha		R. Clayton to research
<del>21.</del>	<del>Restoration criteria</del>	<del>M. Sasson</del>		<del>Assignee added.</del>
22.	Protection criteria	S. Corey		Prepare template
<del>23.</del>	<del>Generator Unit Availability Data Requirements</del>	<del>A. Adamson</del>		<del>Completed. Remove from list</del>
<del>24.</del>	<del>Interconnection requirements</del>			<del>J. Adams to discuss with S. Corey.</del>
<del>25.</del>	<del>NOx Emissions DEC criteria and impact on dispatch in NYC</del>	<del>M. Sasson</del>		<del>Draft policy statement tabled by EC</del>
<del>26.</del>	<del>Equipment maintenance criteria</del>	<del>P. Davis</del>		<del>Remove from list.</del>
<del>27.</del>	<del>System data maintenance</del>			<del>Description of potential rule required</del>
28.	Ramp-rate reserve criterion	M. Sasson		Obtain NYISO comment on template
29.	Short-circuit criterion	S. Corey		Prepare template
30.	NYCA “state” performance	K. O’Neal		Prepare template

#### 4.1 Approval of RR rev1

Mr. Fleury reported that all comments he has received will be incorporated into the draft RR manual rev.1 and he will send it back to RRS for another review.

#### **4.2 Introductory wording to "Applications of Reliability Rules" for web site**

As requested by the EC, RRS discussed several issues regarding the List of Applications of NYSRC Reliability Rules including Local Reliability Rules (List). It is understood that this List is to be included in the next revision of the NYISO Transmission and Dispatching Operations Manual. The issues and recommendations follow:

- Responsibility for keeping/documenting existing List

RRS recommended that the official List should be kept and maintained up-to-date by the NYISO. RRS also agreed that it would be most appropriate for the NYISO to keep the official List in the NYISO T&D Operations Manual with a copy of the List posted to the NYSRC web site.

- Process for making changes to the existing List or adding new applications to the List

The RRS discussed the genesis of the applications from TO operating procedures that existed prior to the formation of the NYISO. RRS noted that the applications were documented because specific operating procedures were (and still are) needed to maintain compliance with the reliability rules in all areas of the BPS, including areas not secured by the NYPP (NYISO) or where the NYPP (NYISO) did not have the resources to develop procedures on its own. In addition, the applications would preserve the ability of the transmission owners to execute certain operating procedures to comply with the reliability rules, including the local reliability rules.

RRS recommended that new applications or changes to existing applications could be requested by the NYISO, the TO or the NYSRC. This process typically would be a cooperative effort between the TO and NYISO or all three entities. When changes are finalized, the NYISO would update the List and provide a copy to the NYSRC for posting on its web site.

- Compliance monitoring of applications

RRS recommended that RCMS, in monitoring compliance with the NYSRC Rules, should provide an oversight review of the applications. RCMS would review the List to assure that the application is appropriate to the corresponding Rule and that the TO or NYISO is maintaining and using the operating procedure summarized by the application.

- Wording of Introduction for NYSRC web site

Mr. Hochberg provided comments on the draft Introductory wording. Mr. Sasson will add a section summarizing the above points RRS had agreed to recommend and will send out the revised Introduction to RRS. (AI 17-4).

Mr. Callahan had e-mailed an update to one of the RG&E applications on the List.

### **4.3 NPCC A6 compliance documentation**

Mr. Adamson reported that the NPCC Compliance Monitoring Subcommittee will be performing a pilot audit of the NYISO's compliance with the NPCC A-6 Operating Reserve Criteria on November 2. Mr. John Muir of RCMS and Mr. Adamson plan to attend as observers. Mr. Adamson will request to have the information in the draft letter he sent to RRS (AI 16-1) incorporated into the audit. Thus, further consideration of AI's 14-2, 14-5 and 16-1 will be postponed pending the results of the audit. Mr. Davis again indicated that the NYISO does not have enough AGC reserve and that reserve pick-ups should be done for contingencies, not load pick-ups. This issue is still under consideration by RRS (potential rule #28) and the NPCC pilot audit results may provide additional guidance.

### **4.4 ICAP Procurement Period**

Mr. O'Neal raised a reliability concern about the NYISO changing the ICAP procurement period from 6 months to 1 month. A study of this issue indicated no reliability concern. Mr. O'Neal raised the question of how the ICAP can be assured to be available only 1 month ahead as a practical matter if generation owners sell ICAP seasonably to other markets. Mr. Sasson will raise this issue at the next EC meeting.

## **5.0 Additional Agenda Items**

### **5.1 Report on NYISO SOAS Operating Reserve Issues**

Mr. O'Neal indicated a concern about how the NYISO is going to comply with the NYSRC reserve replenishment rule. Discussion was postponed until the next meeting.

### **5.2 Scope of Next Update to NYSRC Rules Manual**

Mr. Adamson had provided a document with suggestions for several areas of review. Discussion was postponed until the next meeting.

### **5.3 NYCA Capacity Situation for Summer 2001**

Several RRS members expressed concern about meeting capacity requirements for summer 2001. Mr. Adamson stated that RCMS had expressed similar concerns and would raise this issue at the next EC meeting. Mr. O'Neal expressed concern that if the normal process for siting power plants is followed,

this could end up delaying some planned capacity installations beyond the summer peak period. He indicated that a declaration by the NYSRC to the NYS PSC of an emergency capacity deficiency would expedite the siting process. RRS agreed that the expected range of capacity/load for summer 2001 needs to be quantified and presented at the next EC meeting for discussion. Also, Mr. Davis expressed a concern about a discrepancy between the LIPA/ NYC transfer limits reported by the NYISO vs. the limit reported by LIPA Operators.

Mr. Corey reviewed capacity additions with planned in service dates for the summer of 2001 (in addition to the NYPA gas turbines) and these included: East Coast Power (Linden CoGen) @ 250MW; Kent Ave.-NYC Energy LLP @ 79.9MW; 1<sup>st</sup> Rochdale Bronx @ 79.9MW; 1<sup>st</sup> Rochdale Brooklyn @ 79.9MW; LI Enron Far Rockaway Barge @ 60MW. Mr. Adamson indicated that the base load forecast (50 percentile) for NYCA for summer 2001 is 30,500MW and the extreme (90 percentile) forecast is 31,800MW. Mr. Corey also reported that Mr. Museler requested a review of transmission line thermal ratings to identify the type and location of limiting elements to determine if circuit ratings could be raised by simple replacement of CTs, line traps or other relatively inexpensive equipment.

RRS agreed to request the NYISO to prepare a load and capacity analysis for summer 2001 that should examine the base and extreme load forecast and assume an 18% IRM. The analysis should include statewide, NYC (80%) and LI (93%) requirements. Mr. Adamson is to prepare and send the request to the NYSIO on behalf of RRS (AI 17-3).

## **6.0 Open Session**

The open session ran from 1300 to 1420 with several participants on line.

### **6.1 NYSRC ICAP WG Report**

- Mr. Adamson reviewed the draft list of assumptions for the NYSRC 2001-2002 IRM Study. Several RRS comments were noted: Mr. Hochberg indicated that the capacity rating of the NYPA GTs had not been finalized yet and that NYPA would provide it within a few days. Mr. Sasson requested that the 1% IRM adder be separately stated in the report and that Appendix A should spell out all of its components e.g. NOx restrictions, high temperatures affecting GT ratings, new market structure, cycling of GTs effecting availability etc. Mr. Sasson suggested examining a combined sensitivity case to get a feel for the IRM requirement for a feasible worst case scenario. RRS agreed to request ICAP WG do a combined 50% of planned capacity, 90% extreme load, no PJM emergency assistance and no voltage reduction statewide sensitivity run. Mr. Adamson requested RRS to review the transfer limits used by the transmission model (this would address the above concern raised by Mr. Davis). Mr. Adamson will revise the assumptions list and issue to RRS and ICAP WG (AI 17-5).

- Mr. Fleury provided several comments on the draft Appendix A. Mr. Hochberg noted again the 517MW capacity indicated for NYPA GTs in Appendix A was preliminary. Mr. Adamson recommended that the 5 year averages be removed from Table A-3 since the study uses 10 year averages. Any further comments should be brought up at the EC meeting on 10/17 where approval of the study assumptions will be on the agenda. During the closed session Mr. O'Neal raised a concern about the Astoria 2 unit not having the capacity assumed in the IRM study. Mr. Sasson elaborated that this is another case of NOx limited generator constraints not being modeled correctly both in the IRM study as well as in the NYISO day-ahead schedule. Mr. Sasson indicated that Con Edison has requested FERC and the NYISO to review this matter since Astoria 2 is bidding full capacity into the ICAP market without considering the NOx constraints. RRS agreed to determine more precisely what the restrictions are on Astoria 2 and try to model them correctly in the IRM study. Mr. Adamson was requested to follow up (AI 17-6).
- Mr. Adamson reviewed the study schedule. MARS preliminary results are scheduled for approval by ICAP WG on 10/18 with a final draft report by 11/15. EC approval of the study is scheduled for the 12/11 meeting. Mr. Sasson will request Mr. Cordeiro, head of the ICAP WG, to hold a joint meeting early in December. Mr. Adamson noted that the report will compare results with last year's study instead of previous NYPP studies.

## **6.2 NYSRC RCMS Report (NYISO Compliance)**

Mr. Adamson reported the RCMS had met September 28 and provided the following status report:

- RCMS will be performing a compliance assessment of the NYSRC's five local reliability rules.
- RCMS completed reviewing the NERC phase 2 assessment.
- RCMS is developing a new Policy 4 that will be a procedure for compliance reviews-- it is expected to be on the agenda for the November EC meeting.
- RCMS is developing compliance templates for certain NYSRC rules--the templates will include measurements and levels of non-compliance similar to NPCC/NERC format.

## **6.3 NYSRC RRS Report (NERC/NPCC Compliance)**

Mr. Adamson reported that there has been no further progress on merging the NERC rules into the NPCC rules manual.

## **6.4 NYSRC RR Development Report**

Mr. Sasson reported that the rev. 1 of the Rules manual will be posted to the NYSRC web site as soon as it is finalized. He also reported that the EC is looking to place on the NYSRC web site the List of Applications of NYSRC Reliability Rules including Local Reliability Rules that is to be included in the NYISO T&D Operations Manual. There were no new requests for new rules. The Council is still reviewing a few that already had been submitted.

## **7.0 Next Meeting**

RRS Meeting #18 is scheduled at NYISO on Thursday, November 2, 2000 @ 1000.

RRS Meeting #19 is scheduled at NYISO on Thursday, December 7, 2000 @ 1000.

Final Minutes of Meeting #17. Submitted to RRS by Larry Hochberg on November 6, 2000.