

**Joint Meeting of the
New York State Reliability Council, L.L.C. (NYSRC)
Reliability Rules Subcommittee (RRS)/
Reliability Compliance Monitoring Subcommittee (RCMS)
NYSERDA, 17 Columbia Circle, Albany, NY
Thursday, April 3, 2014**

Minutes of RCMS Meeting No. 171

RCMS Members and Alternates:

Roger Clayton, Electric Power Resources (Chairman)
Zoraini Rodriguez, LIPA/PSEG (phone)
Brian Shanahan, National Grid (phone)
Dan Head, CONED (Vice Chairman)
Wayne Sipperly, NYPA (Secretary)
Larry Hochberg, NYPA
Brian Gordon, NYSEG (phone)

Non-Voting Participants:

Al Adamson, NYSRC Consultant
Greg Campoli, NYISO

Guests:

Chris Sharp, NYISO
Kevin DePugh, NYISO
Jason Wells, NYISO (phone)
Kai Jiang, NYISO

1. Introduction

1.1. Executive Session

None requested.

1.2. Requests for Additional Agenda Items

None requested.

2. Approval of Minutes / Action Items

2.1 Approval of RCMS Minutes #170

The meeting minutes were approved after the modifications provided by Mr. Adamson and Ms. Rodriguez.

2.2 RCMS Action Items List

Action Item 160-1: Mr. Clayton provided an update on the EPIC Gas Study based on the discussion on this topic from the last Executive Committee meeting held on March 14, 2014. The Gas-Electric System Interface Study is being performed by Levitan & Associates. The Study timeline includes the following project milestones:

- Development of existing gas/electric system baseline - April 04, 2014
- Evaluation of gas system capability - July 11, 2014
- Identification of gas system contingencies that impact electric system reliability - December 26, 2014
- Review of dual-fuel capability - September 5, 2014
- Draft report to stakeholders - February 17, 2014

Action Item 160-2: No update was available for the Phasor Measurement Study. This project aims to improve the reliability of the transmission grid and prevent the spread of local outages to neighboring regions via enhanced monitoring capabilities provided through the deployment of phasor measurement units (PMUs) and phasor data concentrators (PDCs). Mr. Head questioned if and when such data would be available to the New York Transmission Owners (TOs). An action Item (#160-3) was assigned to the NYISO to determine availability of PMU data for TOs.

3. NYSRC 2014 Reliability Compliance Monitoring Program

3.1 2014 Scorecard Update

Mr. Adamson noted that the 2014 Scorecard was updated to include RCMS review dates for measurements A-M1, C-M1, and K-M2a completed last month. In addition, measurement J-M3 was added to page 4 on the 2014 Scorecard.

3.2 March Operating Report (K-M2d)

The NYISO March Operating Report was not available for this RCMS meeting. Mr. Campoli stated that the report should be available shortly and will be forwarded to RCMS accordingly.

3.3 Report on NYISO ICCP Data Communications Disruption (J-M3)

The NYISO provided the official report of the event that occurred on the February 23, 2014 during which the NYISO experienced a communications failure that resulted in disruption of the SCADA system that required the NYISO to move operations to its alternate Control Center. Mr. Campoli and Mr. Wells of the NYISO provided a summary of the event and responded to any questions regarding the event. Mr. Wells confirmed that the root cause of the event was network failure due to compatibility issues between legacy and new SCADA computer network distribution layer switches. Mr. Sipperly questioned why the compatibility issues between the legacy switches and the newly installed distribution layer switches did not become evident before this event. Mr. Wells did not have a definitive answer but noted that all the remaining legacy switches have been replaced as part of the corrective action plan. Mr. Clayton noted that

J-M3 measure requires a report to be provided within one month of the event and this NYISO report was submitted within the required timeframe. Mr. Sipperly made a motion that RCMS finds the NYISO in full compliance with J-M3 and it was seconded by Mr. Gordon. No further discussion and none opposed or abstained.

3.4 Establishing Locational Capacity Requirements (A-M2)

Mr. Jiang of the NYISO provided a summary of the New York Control Area 2014-2015 Locational Capacity Requirements (LCR) Study provided to demonstrate compliance with measurement A-M2. Highlights of the report are as follows:

- NYC LCR = 85% vs. current 86%
- LI LCR= 107% vs. current 105%
- G-J LCR= 88%

Mr. Jiang noted that the Zone K (Long Island) LCR increase is attributable to modeling parameter changes including lower demand response participation, higher generator EFORD values which leads to lower generation output values, and less external capacity assistance from ISO-NE. It is also the first time that the newly established G-J Capacity Zone has been included as part of a LCR Study. Mr. Clayton requested clarification regarding how the new G-J capacity zone load forecast is calculated in Table 1. Mr. Jiang confirmed that there is no double counting of load with the development of the new G-J zone as it is comprised of zones G, H, I, and J load. Mr. Head questioned if the projected load changes for each of the Capacity Zones identified in column 3 of Table #1 are prior to accounting for demand response. Mr. Jiang confirmed that they are prior to accounting for demand response. Ms. Rodriguez made a motion that RCMS finds the NYISO in full compliance with A-M2 for 2014 and it was seconded by Mr. Hochberg. No further discussion and none opposed or abstained.

3.5 2013 Transmission Review (B-M1 to B-M3, I-M4, K-M2a, K-M3)

Mr. DePugh of the NYISO provided a summary of the 2013 NYCA Annual Transmission Review. For the 2013 NYCA ATR, an intermediate level review was performed. An interim review was performed in 2012 as well. The last comprehensive review was performed in 2010 and the next required review is to be performed in five years, i.e., 2015. The 2013 Intermediate ATR is conducted for the near-term (5 years) Transmission Planning horizon, assessing the planned year 2018 system. The Class Year 2009/2010 study and the 2013 Gold Book are used as the basis for the generation and the transmission inputs respectively for the 2013 Intermediate ATR. RCMS requested the NYISO to provide a copy of Appendix B – Facilities Included in This Review.

Mr. Adamson noted that the 2012 NYCA Annual Transmission Review (ATR) identified four substations with thermal violations under N-1-1 post-contingency conditions requiring mitigation plans that the 2013 review would address. Mr. DePugh confirmed that the 2013 NYCA ATR does address the 2012 NYCA ATR findings under Section 2.6.4 on page 24 of the report.

RCMS proposed that the NYISO consider clarifying Section 11 – Conclusion by including a reference to Section 2.6 for the mitigation details associated with the substation thermal violations

under N-1-1 post-contingency conditions and adding that the planned system includes Corrective Action Plans. Mr. DePugh stated he would incorporate these comments into the report. RCMS also asked the NYISO to consider some minor report enhancements for the next ATR such as adding sub-tiles to clearly identify each of the eight assessment paragraphs (pg. 37) and the applicability of the 2013 fuel breakout pie chart on pg. 34. The NYISO stated that they would review the RCMS recommendations accordingly. Mr. DePugh stated that the 2013 NYCA ATR stakeholder review process has just started with RCMS being one of the first to review. Mr. DePugh noted that he did not anticipate any substantive changes to be identified during the stakeholder review process. Mr. Head made a motion that RCMS finds the NYISO in full compliance with B-M1 to B-M3, I-M4, K-M2a, K-M3, based on the caveat of incorporating the above report clarifications and no other substantive changes. The motion was seconded by Mr. Hochberg. Mr. Adamson noted the high quality of the ATR report that the NYISO presented. Mr. Clayton concurred and said he would reflect this in the minutes. No further discussion and none opposed or abstained.

3.4 Compliance Assessments for Next Meeting – C-M2, C-M3, F-M4

The compliance reviews scheduled for next meeting are C-M2, C-M3, and F-M4.

4. NYISO/NPCC/NERC Activities

4.1 NYISO 2014 NERC/NPCC Compliance Program Status

Mr. Adamson noted that the NYISO has updated the NYISO 2014 NERC/NPCC/NYSRC Program Schedule and Compliance Status document to address the items noted at the last RCMS meeting.

4.2 NPCC Standards/Criteria Development Update

This was reported in the RRS meeting.

4.3 NERC Standards Development Update

This was reported in the RRS meeting.

4.4 NPCC Compliance Committee Report

Nothing new to report.

4.5 Other NYISO, NPCC, and NERC Activities

None

5. Reports

5.1 NYSRC EC Meeting Report

This was reported in the RRS meeting.

5.2 NYSRC ICS Report

This was reported in the RRS meeting.

6. Additional Agenda Items.

RCMS would like to recognize and complement the NYISO staff on their efforts to demonstrate compliance with the NYS Reliability Committee Reliability Rules and Measures.

7. Next Meeting #171:

Next Meeting #172: Thursday, May 1, 2014; 9:30 am @ NYSERDA, 17 Columbia Circle, Albany

The meeting was closed at 12:20 pm