

Draft 2013-2014 IRM Study Lessons Learned and Accomplishments

More Communication

- Maintain lines of communications between the NYISO and ICS chair especially during critical periods. It was suggested to have weekly/biweekly calls with the NYISO, especially during late summer and into the fall. The intent of these calls is to understand the potential barriers to meeting the schedule and to discuss possible solutions.

Confidence Interval

- A minimum number of runs in the MARS model may need to be identified and documented to avoid the conflict of having a model of 95% confidence interval and not satisfying the number of runs that ensures proper confidence level has been reached. This past year's model reached 95% confidence level before 1000 runs. The model would have had a higher confidence level if it was permitted to run to 1000 iterations, but its center of the confidence distribution would not have been 17% IRM. Additional discussions will be necessary to have a better understanding of the confidence interval and Policy 5 may require some clarifying language.

Possibly Undervaluing Neighboring Resources

- Currently in MARS, PJM SCRs are not upon per Policy 5. MARS could allow for such assistance, but it would call all PJM SCR MWs when only a subset may be needed. Additional investigation is necessary to determine how PJM demand response is considered for assistance for planning purposes and if there should be a modeling changes. Depending on the initial investigation, this topic may require a white paper.

Transmission Outage Rate

- Evaluated failure rate of transmission lines and set priorities and goals for the 2014-2015 IRM study. A subgroup was formed to consider if and how transmission outages may accounted for in the MARS model.

Accomplishments

- Accomplishments included the introduction of multi-year load shape modeling, incorporated more accurate wind load shapes in MARS modeling, improved accuracy of EFOR_d computational algorithm, and reviewed NYISO proposed LCR calculation for the Lower Hudson Valley capacity zone.