

## April 5, 2017 NYSRC ICS Meeting Report

Prepared for the April 13, 2017 NYSRC EC meeting

### 2017 ICS Task List Update

#### 1. Modeling of NYISO Locality Sales

The NYISO presented a draft white paper for ICS consideration. At this time they do not recommended modeling locality exports in the IRM. The paper cited several factors considered in providing the recommendation. To date the ICS has chosen to not model capacity exports. These exports have been from ROS with the majority of the MWs that received an award in the ISO-NE FCM eventually buying out of their positions. Within the last year ISO-NE has made a series of rule changes to their capacity auction process and market. This combined with a resource from a locality(GHIJ) receiving an award in the ISO-NE FCM makes it difficult to assess the amount of the awarded capacity that will actually be exported to ISO-NE. Another concern is the need for stable requirements. The NYCA IRM is an annual parameter while an exporting resource's capacity supply obligation can vary from month the month. Finally, the implementation would be complex. Policy 5 has no guidance on how to handle sales from a locality as the generators still exist in the zone from which they are sold and are still considered as part of the NYISO's commitment and dispatch even though they have a capacity obligation to another control area. The NYISO along with GE consulting are continuing work on developing a robust model.

Some ICS members asked for additional information on the ISO-NE reconfiguration and monthly auctions. The ICS will hold a teleconference on April 18 to discuss the white paper further prior to the scheduled May ICS scheduled approval and presentation to the EC in May.

#### 2. Emergency Assistance Limit Analysis

Mr. John Adams provided an update to the analysis as well as a recommendation. He expanded the external control area data set analyzed to include the entire PJM footprint where previously the data was limited to the Mid-Atlantic and Dominion regions of PJM. The results showed very little change in surplus reserve by load level. An emergency assistance limit of 3318MW that was based on the overall average of surplus reserves for all load levels was used for the sensitivity testing. The results are shown below:

Case Description	IRM	LCR (J)	LCR (K)	LCR (G-J)
Case 0 (starting point): 2017 IRM final base Case	18.1%	81.6%	103.5%	91.5%
Case 1 (sensitivity): EA limit of 3318 MW for NYCA	18.2%	81.7%	103.6%	91.6%

Mr. Adams recommended a limit in the range of 3100 – 3500 MW, noting if the ICS chooses to not adopt a limit approach this year, a limit should be included as a sensitivity case. If adopted some thought will need to be made as to how often this analysis should be updated. A decision from the analysis will be made at the May meeting with a recommendation provided to the EC in May.

3. Review NYISO Alternative LCR Methodology

The NYISO presented an update to the status of the Alternative LCR methodology. The NYISO showed a preliminary result with an optimized base case in relation to the Tan 45 method. The NYISO is still working through testing a variety of sensitivities and hopes to present those results in May. They are also evaluating the incorporation of additional transmission security constraints into the LCR optimization. This would involve developing LCR floors that would account for the transmission security reliability requirements. The NYISO planning and operations groups will be involved with evaluating the appropriate limits for the LCR floors. The NYISO noted that ISO-NE uses a similar concept. The NYISO is continuing its work on the cost curves as well as exploring the current shifting methods. They will continue to update the ICS on a monthly basis. It is not expected at this time that the NYISO will change the methodology for setting the 2018 LCRs.

4. Sensitivity to assess the impact on the IRM of a high penetration of renewable resources

The NYISO will provide recommendations to where the wind and solar resources are to be added at the May ICS meeting.

5. Review of A/B/C , J/K and 5018 lines for topology

The NYISO indicated they have been working with Con Edison and will provide an update at the May ICS meeting.

**2018-2019 IRM Study Assumptions Matrix**

The NYISO noted that there were no changes from the previous month. The Gold Book is expected to be released in draft form within the next week. This will provide the basis for updates to the Assumptions Matrix for the May meeting.