

## **Scope for Testing of Four versus Five Bubble PJM Model**

### **Introduction**

This was performed as a sensitivity last year with the results of there being no differences in the NYCA LOLE between the two models. At that time, we did not have a separate load shape for the new DOMPENC zone. We were forced to break the hourly loads for the southwest zone into two pieces based on the ratios given in the PJM zonal load forecasts. In this year's analysis, we plan to introduce the DOMPENC provided shape.

### **Testing**

There are four cases to test outside of the normal process testing:

1. The first is to repeat last year's four bubble final base case (2016 IRM).
2. Introduce newly provided load shapes for the four bubble model but keep the load forecast from last year.
3. Next, set up the five bubble model using the newly provided load shapes keeping the load forecast from last year.
4. Finally, determine the result if we used both the new shapes and the new forecast .

### **Results**

Initial LOLE results will be provided for each of the cases. In addition, full tan 45 curves will be completed for cases 2 and 4.

### **Report**

Our results and conclusions and recommendations, if any, will be provided to the ICS in a written report.