

March 3rd, 2021 ICS Meeting #244
Prepared for the March 12th, 2021 EC Meeting – Brian Shanahan

1. An evaluation on the impact of using recent Average Outage Rates used in MARS IRM Studies was presented, which evaluated historic data for assumed generation resource availability. Specifically, the analysis looked at whether using a shorter period (current 5 years) vs 10 year average outage rates, provides a better estimate of future availability. An analysis of the data provided in the IRM studies was used to determine whether the use of a 5-year vs. 10-year historic period would be significant. Some conclusions were:
 - The analysis showed that both the 5-year and 10-year estimates produced similar average outage rate estimates
 - However, the standard deviation from the 10-year estimates over time was much lower than for the 5-year data – i.e. the estimates were much more stable
 - Using 10 years of data for outage rate assumptions should reduce random variation in IRM and LCR results

With respect to cable outages (based on a recent NYISO analysis):

- The analysis showed that updates to the Long Island cable transition rate had about a 2.3% downward impact on the Long Island LCR
- At the same time that the lower outage rate assumption was lowering the Long Island LCR the system was experiencing extended outages on Y49, Neptune and the Cross Sound Cable
- Using a 5-year average for outage rates will result in the recent outages having an outsized impact on future outage expectations
- Using a longer time period would smooth that impact out

Executive Committee Action Requested:

None.

2. The NYISO provided a follow-on presentation to the February meeting as a dry run demonstration of the process for new generator assumptions in the IRM before the actual implementation for the 2022-2023 IRM study. The process would be implemented in both the Preliminary and Final Base Cases using a filtering-criteria to determine whether a new Generator should be included in that year's IRM determination. NYISO plans to implement this process for the treatment of new generators in IRM Study assumptions starting the Preliminary Base Case for the 2022-2023 IRM study

Executive Committee Action Requested:

None.

3. ICS reviewed the initial 2022 IRM Preliminary Base Case Assumptions Matrix.