April 28, 2020 NYSRC ICS Meeting #231 Report – Ruby Chan
Prepared for the May 8, 2020 EC Meeting

1. Study Year Issue White Paper – see ICS Attachment #1 - For EC approval

   The white paper covers using the enhanced stimulation year parameter with the GE MARS program. There appears to still be volatility that occurs when changing the stimulation year. ICS recommends holding the simulation year at 2019 to mitigate unexpected LOLE variability in the 2021-2022 IRM Study.

2. Correlation of Intermittent Resources – see ICS Attachment #2 - For EC approval

   This study tests the correlation of onshore wind, FTM solar PV, landfill gas, and run-of-river hydro to determine whether correlation exists and, if so, whether such correlation is important to model in the IRM Study. This comparison focuses on the 2014 – 2018 period based on data availability. ICS recommends that the 2021 IRM adopt the practice of including coincidence of FTM solar PV and onshore wind data.

3. Load Forecast Uncertainty (LFU)

   a. LFU model for the 2021 IRM Study

      LFU increasing in all zones except in zone K. Comparing the 2021 LFU and 2020 LFU, the range is from -3.28% to +1.35%.

   b. Recent LFU Models – See ICS Attachment #3

      NYSRC Consultant John Adams concluded that the data and analysis presented by NYISO staff supported the impact of the LFU model update. The system is becoming more weather sensitive which is why LFU model update resulted in an increase in the 2020 vs 2019 IRM. ICS recommends for the 2022 IRM study that the development of the LFU distribution undergoes an in-depth review as a white paper.

4. Status of 2021 IRM Study

   a. Populated a draft assumptions matrix
   b. Begun the process of building the 2021 IRM Preliminary Base Case (PBC) via the parametric analysis and expect to present results at the upcoming ICS meetings

5. Website improvement – Minor improvements made to the following page: http://nysrc.org/IRM%20White%20Papers.html

   Changes included adding a description for the purpose of a white paper and categorizing the list of white papers by topics. We will add another page for a library of presentations; all presentations will be grouped together by topics.