

ICS 2021 White Paper SCOPE (DRAFT)

Evaluate Improvements to Modeling Energy Limited Resources

Study Purpose and Summary

Evaluate shifting from using a simplified model of Energy Limited Resources (ELR) to a more permanent one.

Study Scope

Investigate ELR modeling enhancements. These are expected to include a MARS 'module' that schedules ELRs consistent with their operational capabilities. NYISO, NYSRC, and GE will coordinate on the development and testing of this module. To the extent a MARS module is too complicated, too new, or unable to be thoroughly vetted for the 2022 IRM cycle, NYISO will also propose modeling enhancements to ensure the IRM database reasonably accounts for the operational characteristics of ELRs, including their duration limits, their ability to provide reserves, and their flexibility.

Provide an analysis of using an improved method of modeling ELRs in determining IRM requirements as compared to the existing simplified method that would provide confidence in results in determining the NY IRM.

Study Schedule

This study will be completed by May 2021.