

Potential Issues for Evaluation During the 2021 IRM Study Cycle

At the 12/2/2019 NYSRC ICS meeting, the ICS requested the NYISO provide further detail on the potential whitepaper topics, including the required level of effort and the NYISO's recommended prioritization.

Topic	Priority & Timing of Next Steps	Level of Effort
Fix "Study Year" issue	High. Address for the 2021 IRM. May be able to be addressed via new MARS version.	Medium
Resource Adequacy with Substantial Quantities of Non-Dispatchable Resources	High. On-going effort. Continue to address on separate track from IRM.	High
External Area Modeling	High. Whitepaper for 2021 IRM to mitigate annual IRM variability due to changes in external models	High
Modeling correlation of on-shore wind, solar, off-shore wind, run-of-river, and landfill gas units.	Medium. Whitepaper for 2021 IRM given modest effort required. This topic could be part of a larger effort or expanded as necessary to ensure intermittent modeling is reasonable	Low/Medium
Modeling Energy Storage Resources	Medium. Monitor. Whitepaper for 2022 IRM. NYISO Planning department is working to enhance ESR modeling in MARS for the 2020 RNA study, which could inform NYSRC efforts going forward	High
Load shape review	Medium. Significant review and discussion during 2020 IRM. Continue to monitor.	High
Model BTM Solar PV	Medium. Monitor effect of solar PV on peak load.	Medium/High
Load Shifting Methodology	"Issue Discovery" step. Given potential impacts on IRM and LCRs, how should the Tan45 process shift load?	High
Locational Marginal Pricing of Capacity	"Issue Discovery" step. NYSIO external market monitor is reviewing enhancements to the NYISO's capacity pricing mechanism. Enhancements could leverage MARS. NYISO will keep NYSRC informed.	High