

Managing Uncertainty Whitepaper

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Background

- **Significant changes to the NYCA system are expected over the upcoming years**
 - Offshore wind, topology changes (e.g., Champlain Hudson Power Express, Clean Path, and public policy driven transmission upgrades), large loads, etc.
- **Depending on the nature of these system changes, impact on the IRM may vary**
 - Uncertainty can exist for the timeline of completion and other relevant development milestones for new resources and infrastructure
 - Inclusion assumptions are finalized ~7 months prior to delivery period and modeling decisions are applied for the entire Capability Year in the IRM study
- **In addition, the misalignment between IRM assumptions and reality can impact the price signals / market outcomes**
- **Managing uncertainty with significant system changes is an effort for 2024 within the Resource Adequacy modeling improvement “Strategic Plan”**

Whitepaper Research Objectives

- **How have projects reached commercial operation date (COD) in the past?**
 - What was the timing of project milestones compared to entering the entering the capacity market?
 - Have resources entered the market all at once or had a phased approach?
- **How do we expect future projects to reach commercial operation?**
 - Are differences expected for new resource types such as offshore wind?
- **What project characteristics such as size, fuel type, and technology impact the timing of milestones, and how the project would declare COD?**
 - How are these characteristics impacting the IRM?
- **Based on research findings, should changes to IRM study process be considered? If so, how should we evaluate the potential changes?**
 - Potential changes for consideration may include refining the inclusion criteria, more granular modeling for new projects, sensitivity analysis, etc.
 - Other complications or unintended consequences may be introduced by changing the IRM study process and should be identified and evaluated as part of the assessment.

Proposed Timeline and Deliverables

Milestone	Date
Initial Discussion of Topic	01/03/2024
Discussion of Research Objectives	01/30/2024
Finalize Scope	February/March
Background research on how projects enter the market	May/June 2024 (pending final scope)
Consider and evaluate necessary changes to the IRM process	June/July 2024 (pending final scope)
Conclusion and Recommendation of process improvements	July/August 2024 (pending final scope)

Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

Questions?