



MMU Review of 2023-2042 System & Resource Outlook

Presented by:

Joe Coscia
NYISO Market Monitoring Unit
Potomac Economics

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Introduction

- The Tariff requires that a copy of the Outlook study be provided to the MMU for its review and consideration.
- The MMU is performing an analysis of data from the 2023-2042 Outlook study
 - ✓ Our review will focus on NYISO market incentives in the scenarios modeled in the Outlook study. It will also suggest improvements to certain Outlook models and processes.
- This presentation provides a brief overview of topics to be included in our review, which will be presented at the June 27 MC meeting.



Summary of Review Topics

Analysis of Curtailment and Net Revenues

Present findings on the following metrics for the Contract and Policy Cases:

- *Marginal Curtailment Rate* for renewables by tech/location;
- *Marginal Renewable Deliverability Improvement* for energy storage by location;
- *Technology Discount* and *Nodal Discount* for renewables by tech/location;
- *Implied Net REC Cost* of renewables and storage by tech/location.

These metrics will provide insight into market incentives for clean energy resources in a future high-renewable system.



Summary of Review Topics

Generator Commitments and Capacity Expansion

- Evaluate impact of LRR generator commitments
 - ✓ Additional generating capacity from conventional thermal resources are likely be needed to manage N-1-1 reliability criteria in local areas
 - ✓ Current MAPS model doesn't consider this
 - ✓ Present findings on potential impact (e.g., renewable curtailment, congestion) if LRR commitments were modeled in Contract case
- Recommend improvements to capacity requirements/value in capacity expansion
 - ✓ Capturing bottlenecks on cross-state interfaces in LCRs
 - ✓ Representation of capacity needs driven by winter reliability



Next Steps

- Present summary findings at June 27 Special MC meeting
- Full memo with detailed results to be posted on NYISO website