

**Agenda Item 4.1: ICS Report to NYSRC Executive Committee (EC)**  
**January 8, 2025, ICS Meeting #299**  
**Prepared for: January 15, 2025, EC Meeting #309**  
**Prepared by: William Gunther (Con Edison)**

**4.1.1 EC Update**

ICS discussed the preliminary EC conversation on performing an informational Tan 45 IRM/LCR analysis more than one year ahead. There was general interest in additional clarity from the EC around scope and purpose as well as concern around how much additional work ICS and NYSRC would be taking on.

A large portion of the discussion focused on what a potential approach might look like:

- Focus on known topology, resource, and load changes and leverage Gold Book and other public sources for expected changes with a particular in-service date
- Pick a fixed period forward e.g., 3 years rather than calculating all intervening years
- Balance effort and quality of work product and note significant caveats
- Include in the IRM appendix or outside the main report
- Alternatively, NYISO could calculate IRMs and LCRs as part of their RNA process

NYISO and ICS at large also raised several challenges:

- Significant uncertainty around resource additions and retirements
- Future model will miss major modeling changes and midyear updates
- It will be difficult to set reasonable expectations for predictability
- Balancing efforts for focus on quality of the year 1 study vs future year along with the necessary and desired research and modeling improvements
- Feedback was echoed that the effort may not be worth the costs and risk tradeoffs

**4.1.2 New ICS Vice Chair**

ICS thanked Brian Shanahan for his many years of service and Tom Primrose for volunteering to serve as Vice Chair for this coming year. A summary of Tom's qualifications is attached.

**4.1.3 NYSRC Proposed Whitepaper Scopes 2025**

NYISO reviewed scopes for upcoming whitepapers that are consistent with the RA Modeling Improvement Strategic Plan presented last September and the 2025 NYSRC goals. Whitepaper scopes are an ICS approval item in February and an initial version is attached here to capture any EC input early in the process. Major topics include Tan 45 methodology, winter risk, and energy limited resources.

For the Tan 45 whitepaper, Mark Younger suggested examining alternative capacity shifting methodologies (e.g., representative fossil EFORd) early in the process to determine if that alleviates concerns.

NYISO recommended splitting the winter risk topic into two separate whitepapers (BTM solar + enhanced load shape modeling) and (fuel availability + maintenance modeling). For load shape modeling, NYISO will develop an updated IRM specific methodology and bring details to ICS in 1Q. This method will incorporate summer and winter peaks as well as the annual energy requirement to capture the shift to winter peaking on a zonal basis. Fuel availability modeling will incorporate updates to market design and NYISO anticipates finalizing recommendations in Q2 prior to generator elections on Aug 1. Following this timeline, fuel constraint CAFs would be implemented in the 2026-2027 capability year. There was also discussion on ensuring generator firm gas elections are accounted for in non-firm gas estimates.

The current energy limited resource modeling approach was constrained based on modeling limitations at the time. As part of the ELR study, NYISO will investigate recent MARS software improvements and work with GE on additional needs.