

Action Item List for Meeting #276 – May 3rd, 2023

New York State Reliability Council – Installed Capacity Subcommittee

[Highlight denotes items that are behind schedule or due for the upcoming meeting]

<i>No.</i>	<i>Action Item</i>	<i>Responsible Individual(s)</i>	<i>Scheduled Completion Dates</i>
220-1	Executive Committee requests ICS to annually track the amount (in MW for the EOP section) of public appeals used in New York	B Shanahan	December 2023
257-1	Develop a Scope for a Phase 4 High Renewables White Paper that includes anticipated project/technology changes and fuel mix.	B Shanahan	October 2024
265-2	Pro/Con Presentation for potential Policy 5 changes to address new/replaced equipment cable transition rate methodology.	B. Shanahan	Completed

Current White Paper Topics (For 2024 IRM Study)

<i>White Paper Topic</i>	<i>Responsible Individual(s)</i>	<i>Status</i>	<i>Scheduled Completion Dates*</i>
Load Forecast Uncertainty / Load Shape selections (Phase 3)	M. Shuler	Working	May 2023
EOP Review	Y. Huang	Working	August 2023
Gas Constraints	Y. Huang	Working	December 2023

*Scheduled Completion Dates subject to change

Model Improvement work (Future/Ongoing Work):

Evaluate limits on EOP activations in MARS	Ongoing
Enhance Maintenance Scheduling in MARS (Reintroduce Maintenance scheduling into MARS)	Ongoing
Evaluate uniform versus dynamic load forecast uncertainty factors & Duration/Magnitude of Peak load events	Ongoing

Future (2023 and beyond) White Paper / Study Topics

The ICS has adopted a 5-year modeling improvement strategic plan to guide future planning for white paper topics. The strategic plan for 2022-2026 was discussed at the November 2022 ICS meeting and the prioritized initiatives are outlined below:

Modeling Themes	2022	2023	2024	2025	2026
1. LCR Optimizer/Tan45 Methodology		LCR/TSL Improvement			
			Tan45 Methodology (pending estimated impact from BTM Solar treatment)		
				Comprehensive LCR/Tan45 Review	
					Stability of IRM/LCR
2. Winter Reliability and Modeling	Winter Modeling Initial Assessment	Winter Modeling Fuel Limitation Modeling			
			Tie and Seasonal Specific Emergency Assistance		
				Seasonal Specific Load And Topology	
					Winter Reliability & Outage Correlation
3. Energy Limited Modeling (ESR, SCR, DER, and ELR etc.)	ELR Model Adoption	EOP Structure Review (sequence of SCR/EA)			
			Modeling of DER		
				Continuous Improvement to the ELR Modeling	
4. Load Modeling	New Load Shape				
		New Load Shape + Updated LFU			
				Seasonal Specific Load Modeling	
5. Extreme Weather	Incorporate modeling improvements pending on progress and outcome from Extreme Weather working group				

LEGEND:

- NYISO Proposed Prioritized Modeling Improvements
- Expected Implementation Phase for IRM and Capacity Accreditation Process
- Extended Implementation Phase for IRM and Capacity Accreditation Process
- Specific model improvements are to be determined

November 2022 ICS Meeting Presentation:

[https://www.nysrc.org/PDF/MeetingMaterial/ICSMaterial/ICS%20Agenda%20268/RA_Strategic_Plan_1102ICS_V2\[9170\].pdf](https://www.nysrc.org/PDF/MeetingMaterial/ICSMaterial/ICS%20Agenda%20268/RA_Strategic_Plan_1102ICS_V2[9170].pdf)

Additional topics that ICS is also monitoring are as follows:

- Investigate Change in Generation Outage Rate Assumptions (5 yr avg vs 10 yr)
- Load Shifting Methodology
- Improvements to MARS modeling of ESRs.
- **New:** Identify considerations that will need to be evaluated for a Winter Peaking NYCA on future IRM determinations.
- **New:** What changes are required to shift MARS to use calendar year vs. capability year in IRM calculations.
- *Unavailable Capacity evaluation – some units historically not operating at/near DMNC during higher load periods. Monitor for potential changes.*