

## Action Item List for Meeting #282 – November 1st, 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
281-1	Ensure FBC Report / Assumptions Matrix contains Footnote addressing lack of updated transfer limits with Dover Par in-service date delayed	G. Jordan / J. Adams	December 2023
281-2	Determine if coordination / communication improvements are needed for updated ICS-supporting analysis (or similar) as an end of year Lessons Learned action	B Shanahan	December 2023

### 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	Completed	Completed
EOP Review	Y. Huang	Working	Completed
Gas Constraints	Y. Huang	Working	December 2023

\*Scheduled Completion Dates subject to change

Model Improvement work (Future/Ongoing Work):

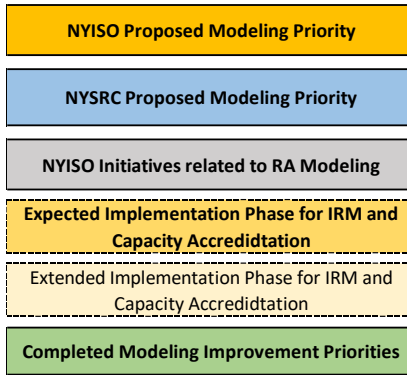
Evaluate limits on EOP activations in MARS	Ongoing
Enhance Maintenance Scheduling in MARS (Reintroduce Maintenance scheduling into MARS)	Ongoing

### 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	2023	2024	2025	2026	2027	2028
1. LCR Optimizer/Tan45 Methodology for Capacity Requirement	LCR Optimizer Improvement*					
		LCR/TSL Improvement				
		Tan45 Methodology Review				
		Uncertainty with Large Entries/Exit				
				Comprehensive Tan45/LCR Review (with TSL Improvement)		
						Stability of IRM/LCR
2. Winter Reliability and Modeling	Winter Gas Constraint*					
	Tie and Seasonal Specific Emergency Assistance					
		Winter EA Assumptions				
			Season specific load / Synthetic load shapes			
				Seasonal Topology		
	EOP Structure Review (sequence of SCR/EA)				Winter Reliability Assessment	
3. Energy Limited Modeling	SCR Modeling Revision*					
		Modeling of DER				
			ELR Output Limitation Review			
4. Load Modeling	Variable LFUs					
		Separation of BTM solar from Load Shapes				
			Season specific load / Synthetic load shapes			
5. Extreme Weather		Impact of Regional Correlated Outages				

LEGEND:



*\*Expected to completed by end of 2023*

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.
- Identify considerations that will need to be evaluated for a Winter Peaking NYCA on future IRM determinations.
- 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.*
- *Develop criteria & modeling procedures covering extreme events: Implement revised EA model and gas constraints "assumptions" as evaluations are refined/finalized.*