

Action Item List for Meeting #280 – August 29th, 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
279-1	Review Generator Maintenance Outage Data with respect to use of assumed 50 MW in IRM (Double Counting, use of retired unit data, etc). Provide updated scatter chart subtracting the 9300 Code maintenance events	J Adams	October 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	October 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

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)		
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		
3. Energy Limited Modeling	EOP Structure Review (sequence of SCR/EA)				Winter Reliability Assessment	
	SCR Modeling Revision*					
		Modeling of DER				
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:

NYISO Proposed Modeling Priority
NYSRC Proposed Modeling Priority
NYISO Initiatives related to RA Modeling
Expected Implementation Phase for IRM and Capacity Accreditation
Extended Implementation Phase for IRM and Capacity Accreditation
Completed Modeling Improvement Priorities

*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.*