Action Item List for Meeting #263 – August 3rd, 2022

New York State Reliability Council – Installed Capacity Subcommittee

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

No.	*Action Item*	*Responsible Individual(s)*	*Scheduled Completion Dates*
220-1	Executive Committee requests ICS to annually track the amount (in MW for the EOP section) of public appeals used in New York	ICS	December 2022
249-17	Whitepaper/Study of 2022 Sensitivity #11 & #12 (GT retirements and AC Transmission Upgrades)	N Gilbraith NYISO	Complete
254-1	ICS Decision on whether to adopt GE's enhanced ELR modeling	ICS	Complete
255-1	Continued enhancements to GE's enhanced ELR model (e.g., outage rates for ELR resources)	NYISO/ICS	Complete
257-1	Develop a Scope for a Phase 4 High Renewables White Paper that includes anticipated project/technology changes and fuel mix.	B Shanahan	March 2023
259-1	Consideration of Updated Load Shape & Demand Forecast Changes	ICS	December 2022

Current White Paper Topics (For 2023 IRM Study)

White Paper Topic	*Responsible Individual(s)*	*Status*	*Scheduled Completion Dates**
Maintaining Operating Reserves	Y. Huang	Complete	Complete
High Renewable Phase 3	K. Osse	Complete	Complete

Load Forecast Uncertainty / Load Shape selections (Phase 2)	C. Alonge	Complete	Complete
Study of 2022 Sensitivity #11 & #12 (GT retirements and AC Transmission Upgrades)	N Gilbraith	Complete	Complete

*Scheduled Completion Dates subject to change

Model Improvement work in 2022 (Future Presentations):

Investigate why EOP calls remain above expectations	Ongoing
ICS recommendation on whether to adopt GE's enhanced ELR modeling in the 2023 IRM	COMPLETE
Evaluate limits on EOP activations in MARS	Ongoing
Enhance Maintenance Scheduling in 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

- Investigate Change in Generation Outage Rate Assumptions (5 yr avg vs 10 yr)
- Load Shifting Methodology
- Enhance Maintenance Scheduling in MARS
  - Develop maintenance schedules that avoid causing EOP calls
- Evaluate uniform versus dynamic load forecast uncertainty factors
  - Duration of Peak load events will be evaluated as part of 2022 Load Shape updates.
  - Load shapes being reviewed in LFU PH. 2 White Paper. Might address issue at least in part.
  - Remaining concerns will be addressed following this work.
- Improvements to MARS modeling of ESRs for a high renewable environment.