

Agenda Item 4.1: ICS Report to NYSRC Executive Committee (EC)
January 30, 2024, ICS Meeting #286
Prepared for: February 9, 2024 EC Meeting #298
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4.1.1 ICS Milestone Schedule

ICS reviewed and approved the 2025-26 IRM milestone schedule. The only change from the 2024-25 IRM milestone schedule is an addition in January to review the previous years IRM adjustment process which is required by NYSRC Policy 5.

4.1.2 Whitepaper Scopes

NYISO presented preliminary whitepaper scopes for the following topics:

- Tan45 methodology review including IRM and TSL interaction
- Managing uncertainty
- Modeling DER
- Separation of BTM-PV from load shapes

All whitepaper scopes will be brought to the EC for approval in May.

4.1.3 SCR Modeling

NYISO presented a final recommendation for SCR modeling enhancements which was accepted by ICS. Below is a recap of the enhanced modeling recommendation from the previous ICS Chair report:

Current Modeling: EOP, available for the entire day, limited to 5 activations per month, derated to account for performance.

Enhanced Modeling: EOP, utilizes MARS ELR functionality to represent historic max call length, output restricted until HB14, one call per day and representation of staggered response rates during the activation window (example for Zone J below):

		Hour of SCR Activation					
Zone J		1	2	3	4	5	6
July Maximum Modeled Capacity (MWs) ¹	α	310.7					
Hourly Response Rates	β	55%	61%	66%	68%	69%	66%
MWs Available	$\gamma = \alpha * \beta$	171	190	205	211	214	205

Impact: Testing was performed on the 2023-24 FBC with and without the updated EA limits which resulted in a 2.1% IRM reduction with original EA limits and a 1% IRM reduction with the updated EA limits.

4.1.4 Gas Constraint Modeling

NYISO presented their recommendation for modeling gas constraints in the IRM which was unchanged from the preliminary recommendation in the previous ICS chair report. NYISO will bring a final whitepaper and recommendation to the next ICS meeting.

4.1.5 Hourly LOLE Distribution

NYISO presented the updated hourly distribution of LOLE events from the 2024-25 IRM study. The hourly LOLE results are used to determine the ELR output window, which will remain unchanged from the 2024-25 study, and the hours used to determine the derating factors for intermittent resources.

HB	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2023 LCR model	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	3%	5%	7%	13%	22%	24%	13%	8%	3%	1%	0%	0%

HB	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2024 LCR model	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	2%	6%	5%	10%	18%	22%	13%	8%	10%	5%	0%	0%

4.1.6 IRM Database Alignment Report

As required by NYSRC Policy 5, NYISO provided a report outlining how the IRM database was adjusted to the EC voted IRM of 22%. The adjustment process is required when the accepted IRM differs from the results of the technical study which was the case in 2024-25. The report is attached for informational purposes.