ICS Report to Executive Committee

August 29th, ICS Meeting #280

Prepared For: September 11th, 2023 EC Meeting
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4.1.1 Review of Preliminary Base Case (PBC) Table 6-1 Parametric Results

The PBC Table 6-1 results were presented to ICS for approval by ICS. Refer to the attached report for the results and a brief description of the causes of significant changes from the last year's results. Table 6-1 will be finalized after the Final Base Case parametric is completed.

4.1.2 Emergency Assistance Modeling Sensitivity Case Results (6a and 6b)

Sensitivity Cases 6a & 6b are:

6a	EOP (Emergency Operating Procedures) Whitepaper Recommendation	Shows impact of modifying Emergency Assistance (EA) from neighboring areas modeled during the EOP steps in accordance with the EOP Whitepaper recommendation (Tan45)
6b	EOP Whitepaper Recommendation plus Winter EA Zeroed Out	Built upon Sensitivity 6a, shows impact of reducing EA from neighboring areas to 0 in winter

Brief summary of results (refer to attached presentation):

Results

Results	2024 PBC (Tan45)	#6a - Initial Recommendation (Tan45)	*Delta % (ICAP) from PBC*	#6b - No Winter Assistance (Parametric)	*Delta % (ICAP) from #6a*
IRM	20.800%	23.043%	*+2.243% (+727.9 MW)*	23.043%	*0% (0.0 MW)*
J LCR	72.719%	72.405%	*-0.314% (-35.5 MW)*	72.405%	*0% (0.0 MW)*
K LCR	109.880%	109.524%	*-0.356% (-18.1 MW)*	109.524%	*0% (0.0 MW)*
GRP G-J	84.252%	84.022%	*-0.230% (-35.5 MW)*	84.023%	*+0.001% (0.0 MW)*
NYBA EOP (Days/Year)	7.552	6.158	*-1.394*	6.158	*0.000*

Case	LOLE	LOLH	Normalized LOEE (EUE) "Simple Method" ppm	Normalized LOEE (EUE) "Bin Method" ppm
2024 Preliminary Base Case	0.100	0.337	1.188	1.031
Initial Recommendation (#6a)	0.100	0.368	1.498	1.292

The sensitivity case shows that the recommended EA modeling will increase the IRM by about 2%, as consistent with the preliminary impact assessment discussed at the previous meeting.
ICS recommended to adopt the new EA modeling using the sensitivity case 6a as the starting point for FBC

Please refer to the attached PBC Sensitivity Cases 6a & 6b Summary presentation for full discussion.

4.1.3 Presentation of All Sensitivity Case Results

NYISO presented results for all the other sensitivity cases based on the approved sensitivity case list. Results from standing sensitivity cases are consistent with prior year's study. Combing winter gas constraints with reduced EA during winter shows emergency winter reliability risk under tight winter conditions. Sensitivity case with the delay of Dover PAR construction is pending inputs from updated transmission study.

4.1.4 Update to the Resource Adequacy (RA) Modeling Improvement Strategic Plan

As work on the 2023 RA has progressed on the plan, and based on issue development and during the past year, the NYISO and ICS are proposing adjustments to the 5 year Resource Adequacy Modeling Strategic Plan. Please refer to the attached presentation.

- The NYISO considers winter modeling a major priority for RA modeling improvements and aims to continue to improve the RA model to properly reflect the winter risk
- Review of the Tan45 methodology in conjunction with the LCR/TSL improvements continue to be prioritized. The uncertainty regarding large entries and exit is added to this modeling theme
- The load modeling improvement will continue towards the establishment of synthetic forward-looking load shapes with separation of the BTM solar being completed in advance
- The Extreme Weather Working Group had identified wind lull across the Northeast region. Research on the impact of regional correlated outages is also considered

Please refer to the attached presentation for full details.