

NYSRC Recommendations for Adoption

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ICS meeting #291

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NYSRC Recommended Assumptions Changes

1. EOP Assumptions

- Limit Voluntary Curtailment and Public Appeals to 3 calls/year

2. Switch to 10-year cable transition rates

3. Emergency Assistance from PJM

- Apply line specific limits to the HVDC lines importing to the Localities

EOP results from Last Year's Analysis

Step	EOP	Expected Implementation (Days/Year)
1	Require SCRs (Load and Generation)	8.1
2	5% manual voltage reduction	6.1
3	30-minute reserve to zero	5.9
4	Voluntary load curtailment	2.8
5	Public appeals	2.2
6	5% remote controlled voltage reduction	2.0
7	Emergency purchases	1.4
8	10-minute reserve to 400 MW	0.2
9	Customer disconnections	0.1

Cable Transition Rates

- Cables and generator outages are modeled in IRM analysis based on 5-years of historical operation
- Proposal is to use 10-years for cables
 - Cable outages tend to be longer and more time consuming to repair
 - Smaller sample size of cables relative to generators
 - Reduce volatility by having large outages drop out or come in
- The fleet cable outage rates increase by $\sim 1.5\%$ using a 10-year period
- Parametric results on FBC 2024-2025 indicate an increase of $\sim 1\%$ to J and K LCRs, less than 1% increase to IRM.

PJM Emergency Assistance

	Bin 1	Bin 2	Bin 3-7 (no changes to assumptions)
PJM Western Ties	580	1110	1412
Neptune	92	176	660
HTP	92	176	660
VFT	44	84	315
A Line	15	28	105
5018 Line	139	267	1000
Sum	962	1842	4152

Tan 45 Results

	IRM	J LCR	K LCR	G-J Locality
2024-2025 FBC	23.10%	72.73%	103.21%	84.58%
Proposed Changes	23.37%	76.27%	103.21%	87.16%
<i>Delta</i>	0.27%	3.54%	-0.09%	2.58%

Next Steps

- ICS should adopt the following assumptions changes within the IRM 2025-2026 PBC
 - Limit Voluntary Curtailment and Public Appeals to 3 calls/year
 - Switch to 10-year cable transition rates
 - Apply line specific limits to the HVDC lines importing to the Localities
- PJM dynamic EA should be extended to PJM to G ties along with PJM to Western NY ties
 - Currently the PJM dynamic EA limits apply only to the PJM to Western NY ties
- Parametric Results should be provided at the July 30th ICS meeting