The Reliability Risks of Selective Deviation from 5-year Rolling Outage Data

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NYSRC Uses 5-Year Outage Rates for Generators and Transmission Line

- The NYSRC switched from using 10-year average outage rates to 5-year outage rates in the study for Capability Year 2005-2006.
- Using a multiyear outage period evens out the impacts of outages
- Staying with the average assures that over time the full risk of outages will be represented in the NYISO IRM/LCR Studies

Year	Outage Rate	5 Year Average
1	5%	
2	5%	
3	5%	
4	5%	
5	5%	
6	5%	5%
7	5%	5%
8	30%	5%
9	60%	10%
10	5%	21%
11	5%	21%
12	5%	21%
13	5%	21%
14	5%	16%
15	5%	5%
	13%	13%

LIPA's Proposal

- LIPA has proposed to reset the Y49 outage rate to reflect that it is being repaired and therefore will have a lower risk of forced outage.
- The rationale behind LIPA's Proposal equally applies to Generators that go through major overhauls
- This Proposal also violates Policy V
- Implementing LIPA's proposal means that over time average outage rates in NYCA will be understated

Year	Outage Rate	5 Year Average	LI Proposal
1	5%		
2	5%		
3	5%		
4	5%		
5	5%		
6	5%	5%	5%
7	5%	5%	5%
8	30%	5%	5%
9	60%	10%	10%
10	5%	21%	5%
11	5%	21%	5%
12	5%	21%	5%
13	5%	21%	5%
14	5%	16%	5%
15	5%	5%	5%
	13%	13%	6%