



Long Island LCR Analysis Tan45 Results

Ying Guo

NYSRC ICS Meeting #238

September 29, 2020
Teleconference

Background

- **A Long Island LCR analysis proposal was discussed with stakeholders at the 9/16 NYSRC ICS meeting.**
 - <http://nysrc.org/PDF/MeetingMaterial/ICSMeetingMaterial/ICS%20Agenda%20237/AI%207%20-%20Long%20Island%20LCR%20Investigation%20Proposal.pdf>
- **Additional analyses were performed by NYISO staff to further support the understanding of the 2021 IRM Preliminary Base Case Tan45 results**

Additional Analysis

- **NYISO performed three additional Tan45 analyses**

- http://nysrc.org/PDF/MeetingMaterial/ICSMaterial/ICS%20Agenda%20236/AI%207.0%20-%20IRM%202021_Preliminary%20Base%20Case%20Parametric%20Results.pdf
 1. LFU impact on LI LCR (Parametric Case #1)
 2. LI capacity deactivations impact (Parametric Case #6)
 3. LIPA cable transition rate update impact(Parametric Case #8)

Results and Discussion

LFU Impact			
	LI with 2020 LFU	PBC	Delta
IRM	20.3%	20.1%	-0.2%
J LCR	82.7%	82.7%	0%
K LCR	98.2%	97.3%	<u>-0.9%</u>

- **2021 LFU has about 0.9% impact on lowering the LI LCR**

Results and Discussion, cont'd

LI Deactivation Impact			
	Before LI retirements(PBC case 4)	After LI retirements (PBC case 5)	Delta
IRM	18.9%	18.8%	-0.1%
J LCR	83.4%	83.5%	0.1%
K LCR	101.1%	100.7%	<u>-0.4%</u>

- **LI ICAP Deactivation has about 0.4% impact on lowering the LI LCR**

Results and Discussion, cont'd

LIPA Transition Rates Impact			
	After LI retirements (PBC case 5)	Update LIPA Transition Rates (PBC case 6)	Delta
IRM	18.8%	18.8%	0%
J LCR	83.5%	83.5%	0%
K LCR	100.7%	98.4%	<u>-2.3%</u>

- **Updating the LIPA cable transition rate has about 2.3% impact on lowering the LI LCR**
- **These three parameters bring a 3.6% decrease on the LI LCR**

Conclusion

- These three analyses explains the majority of the reasons for the decrease in the Long Island Tan45 indicative LCR level
- Next step is to construct the Final Base Case

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system



Questions?