

AC Transmission and Peaker Retirements in IRM Study

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Overview

- Review assumptions and cases
- Results
- Next Steps



Background

- ICS request to run Tan 45 cases with AC Transmission in service and DEC NOx Rule Peakers retired
- To be completed prior to the Preliminary Base Case
- High level summary of changes
 - 2023 Topology changes for ConEd series reactors, Generator (Peaker) retirements
 - 2024 AC Transmission topology updates
 - 2025 Generator (Peaker) retirements
- These assumptions are a projection and are subject to change between now and implementation



Case 1

- Start with 2022 FBC
 - Neptune partially out of service
 - EFORd
 - NYCA: 12.1%
 - Zones G-J: 9.6%
- Retire 2023 Peakers
 - 37.7 MW in G
 - 745.9 MW in J
 - 24.6 MW in K
- Updated Topology due to change in series reactors
 - G to H 325 MW decrease (6,675 MW)
 - I to J 50 MW increase (4,400 MW)
 - I to J and K grouping 50 MW increase (5,693 MW)

• Tan 45 Results

- IRM: 19.0%
- Zone J: 79.7%
- Zone K: 102.2%
- EFORd
 - NYCA: 11.8%
 - Zones G-J: 8.6%



Case 2

- Start with Case 1
- Updated Topology due to AC Upgrade
 - E to F, 3,925 MW
 - E to F and G (grouping,) 5,650 MW
 - E to G, 2,300 MW
 - F to G, 5,400 MW
 - G to H, 7,050 MW
 - UPNYSENY, 7,150 MW

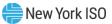
- Tan 45 Results *in progress*
 - IRM:
 - Zone J:
 - Zone K:
 - Zones G-J:



Case 3

- Start with Case 2
- Retire 2025 Peakers

- Tan 45 Results *in progress*
 - IRM:
 - Zone J:
 - Zone K:
 - Zones G-J:



Next Steps

- Complete Tan 45 cases
- Return to next ICS with results for discussion
- Discuss LCR impacts at ICAPWG



Questions?

Email IRM@nyiso.com with further questions

