NYISO 2012 RNA Fault Current Assessment

Zach Smith
Manager, Transmission Studies
New York Independent System Operator

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Background

- **Purpose**
  - ***Perform symmetrical fault duty analysis on NYCA BPTF stations to determine whether the circuit breakers present in the NYCA system would be subject to fault levels in excess of their rated interrupting capability***

Major System Changes from 2010 RNA

- **Proposed Generator Retirements**
  - ***Generator retirements will decrease fault current in the area local to the generator***
- **Generation and transmission additions**
  - ***Generator and transmission additions typically increase fault current in the area local to the addition***
- **Gowanus series reactors 41 and 42 placed in-service**

2012 RNA Results

- **2017 system representation**
- **All BPTF stations reviewed**
- **In general, fault current levels in the NYCA system decrease due to generator retirements.**
- **Overdutied circuit breakers occur at three National Grid stations**
  - ***Scriba 345 kV***
  - ***Porter 230 kV***
  - ***Porter 115 kV***
- **National Grid plans to complete the overdutied circuit breaker replacement at Scriba 345 kV, Porter 230 kV, and Porter 115 kV in 2012, 2015, and 2016, respectively.**

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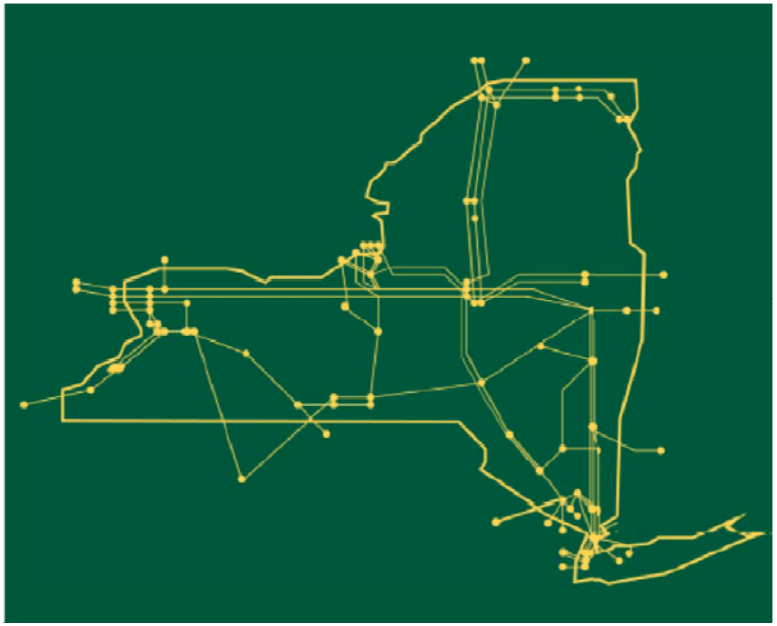

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