



An Exelon Company

Removal of the Kincaid Remedial Action Scheme (RAS)

ComEd / Exelon Corporation
Transmission Planning
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Kincaid RAS

✓ RAS Purpose

- Installed to prevent generator instability at Station 21 Kincaid for specified multi-phase faults with breaker failure and for concurrent outages of multiple transmission lines.
- Described in ComEd System Planning Operating Guide (SPOG) 1-3-A and PJM Manual-03B
- RAS sectionalizing scheme is normally in-service, multiple line outage scheme is placed in/out of service per PJM direction

✓ RAS Actions

- High-speed bus sectionalizing which trips adjacent buses in primary time for certain line faults
- Multiple line outage unit trip scheme which trips one generating unit for specified 345kV double line outages.

Kincaid RAS Removal

- ✓ A project is being implemented (PJM RTEP s2350) to replace several circuit breakers and reduce backup clearing times at Station 21 Kincaid
- ✓ Upon completion of the project the RAS at Station 21 Kincaid will no longer be required and will be removed
- ✓ Targeted for completion by year-end 2022
 - Work is beginning in 2021 and portions of RAS functionality may be removed as they become unnecessary
- ✓ Reliability *First* was informed of the RAS removal per RF RAS Review Procedure.

Questions?