



An Exelon Company

# Removal of the Elgin EC Remedial Action Scheme (RAS)

ComEd / Exelon Corporation  
Transmission Planning  
February 2021

# Elgin Energy Center RAS

## ✓ RAS Purpose

- To prevent generator instability at TSS 960 Elgin EC for a multi-phase fault with breaker failure at TSS 79 Spaulding
- Described in ComEd System Planning Operating Guide (SPOG) 1-3-J and PJM Manual-03B
- RAS is normally in-service

## ✓ RAS Action

- Multi-phase fault at TSS 79 Spaulding 138 kV bus or within 1.5 Ohms beyond the red or blue bus for more than 12 cycles will trip the units on the respective color.
- Blue Elgin EC units are isolated by tripping L96001 CB at TSS 79 and initiating transfer trip to Elgin EC.
- Red Elgin EC units are isolated by tripping L96002 CB at TSS 79 and initiating transfer trip to Elgin EC.

## Elgin EC RAS Removal

- ✓ A project is being implemented to reduce backup clearing time delays at TSS 79 Spaulding.
- ✓ Upon completion of the project, the RAS at TSS 960 Elgin EC will no longer be required and will be removed.
- ✓ Targeted for completion by May 2021
- ✓ Reliability *First* was informed of the RAS removal per RF RAS Review Procedure.

**Questions?**