



PPL Electric Utilities

# Catty Corner RAS Removal

(Susquehanna Circuit Breaker Outage Scheme)

# Scheme Objective

The Catty- Corner scheme is designed to trip Susquehanna Unit 2 under two N-1-1 scenarios (both events involve stuck breaker events occurring with another circuit breaker at the station already open):

The two scenarios respectively trigger the scheme to trip Susquehanna Unit 2 to:

- Prevent islanding of Susquehanna unit 2 under no outlet conditions
- Protect transformer T21 from becoming overloaded and Unit 2 becoming unstable

# Scheme removal

- PPL EU performed the internal evaluation and determined the scheme can be retired
  - The scheme is not required to address any operational or planning criteria (i.e. NERC, PJM, and PPL EU criteria)
  - The scheme trips the plant under N-1-1 circuit breaker failure events. PPL EU doesn't plan and operate for these scenarios
- The scheme will be removed by May-2021.