

# PPL FAC-008 Review

***PJM PC meeting***

***Oct 17, 2019***



# PPL ratings methodology

- PPL has historically tracked only major substation equipment
  - Circuit breakers, switches, CT's, wave traps, relay limits, etc.
- PPL did not historically track minor equipment
  - Bay conductor, downcomer, bus conductor
  - Substation design standards were set to ensure minor equipment should never limit the line ampacity
  - Subsequent upgrades over the decades at legacy substations may have introduced limitations

# Ratings Review

- Comprehensive review of Substation prints
- Logged all minor equipment
  - Bay conductors
  - Bus conductors
  - Downcomers
  - Opportunity to validate all other equipment
- Several field checks to confirm prints

# Results

- Approximately 200 BES facilities reviewed
- Some lines will be de-rated due to limiting terminal equipment
- Temperature-dependent ratings updates will be forwarded to PJM Operations over the next several months via Edart
- Expect to have all Planning ratings updated in the RTEP case during Trial 2