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