



Regional Transmission Expansion Plan (RTEP) Impacts

OC Special Session - Dynamic Line Ratings
(DLR) Education
March 30, 2021

- Transmission Owners provide PJM facility ratings in accordance with their rating methodology
- NERC Standard FAC-008 R3 and R6 require Transmission Owners to have a ratings methodology and use the methodology to determine facility ratings
 - R3: Each Transmission Owner shall have a documented methodology for determining Facility Ratings (Facility Ratings methodology) of its solely and jointly owned Facilities
 - R6: Each Transmission Owner shall have Facility Ratings for its solely and jointly owned Facilities that are consistent with the associated Facility Ratings methodology or documentation for determining its Facility Ratings.

- RTEP analysis is conducted using planning cases that include facility ratings that Transmission Owners submit to PJM via Model on Demand (MOD)
- Transmission Owners rating methodologies and planning criteria currently do not recognize DLRs to set ratings
- PJM plans for the system assuming conservative conditions to ensure system reliability. All Load Deliverability, Generator Deliverability and Load Flow analysis incorporates this conservative rating methodology (Example: Summer rating is 95 degrees Fahrenheit)
- PJM will continue to evaluate DLRs as experience is gained and explore opportunities to leverage such technologies as part of the planning process.

Presenter:

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