Modeling New Generation

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Baseline RTEP Process

• Studies define requirements to maintain reliability

• Baseline process builds cases relying on Transmission Owner input

• PJM adds new generation, from PJM’s queue, to the case based on progress of request in the queue
• Studies used to determine needs of the system in order to maintain reliability

• Relies on Baseline process being completed

• Case updated to include all generation which is active in the queue prior to the new set of projects under study in PJM queue
Changes in New generation

- New generation requests are incorporating more small generation on lower voltage systems

- Lower voltage systems beginning to push out onto PJM’s monitored facilities

- Failure to include all generation from state interconnection processes outside of PJM queue could impact reliability
• State interconnection activity expected to increase

• Failure to model this generation impacts PJM’s ability to identify impacts to system

• All state interconnected generation should be included in submissions to PJM for system modeling (includes generation connected at distribution voltages)

• Failure to identify all generation will likely result in operational and reliability impacts
• Determine acceptable methods for modeling requirements

• Discuss how to begin to collect the state interconnected generation which is connected to the system outside of the PJM queue

• Discuss how to ensure processes include the identification of new generation to PJM as it is connected