

# Modeling New Generation



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- 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

- 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 include 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