Interconnection Screening Tool Overview

“Queue Scope”

Tool Overview

- **Official Tool Name:** *Queue Scope*
- **Description:** The screening tool enables users to evaluate placement of future generators even before formally entering the PJM queue. The tool screens potential points of interconnection (POI) on the PJM system by assessing grid impacts based on the amount of MW injection or withdrawal at a given POI.
- **Functionality**
  - **Capabilities**
    - Provides the ability to assess all types of generation including batteries, merchant transmission, etc.
    - Leverages stored results from PJM generator deliverability analysis (TARA GD)
    - Provides facility loading impacts and headroom (MW) by POI using linear analysis
    - 6000+ POI buses available to assess within the PJM footprint
    - Users have the option to use RTEP or Queue case results
  - **Limitations**
    - No short circuit, voltage, or stability analysis. Thermal overloads are the typical constraint.
    - No ‘On Demand’ analysis (TARA/PSSE not running in the background)
    - Currently limited to Summer Peak analysis. Future plans for Light Load analysis.

Tool Overview (Cont.)

- **Phase 1 – Tabular User Interface**
  - This phase of the project includes database & application development
  - Plan is to go-live in production on PJM.com by end of 2022
  - Tool will be hosted on PJM Tools page

- **Phase 2 – Geospatial User Interface**
  - This phase is planned for 2023
  - Will leverage similar capabilities and feel of the existing PJM system map
  - Provides users with visual cueing for grid congestion

Tool Demo