

Interconnection Screening Tool Overview

“Queue Scope”

- **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 Injection & Withdrawal applications
 - Leverages static results from DC flowgate analysis using TARA Gen Deliv software (2-3 cases analyzed per year)
 - Provides worse case flowgate (mon/con pair) loading with pre-/post-loading and MW headroom by POI
 - 6000+ POI buses available to assess within the PJM footprint
 - Users can select different case types (RTEP vs. Queue) and different case years to compare results.
 - **Limitations**
 - No short circuit, voltage, or stability analysis. Thermal overloads are the typical constraint.
 - POIs limited to 100kV & above
 - No 'On Demand' analysis (TARA/PSSE are not running in the background)
 - Limited to Summer Peak analysis. Future enhancement to incorporate Light Load analysis.

My Tools ▾ (Guest) | Sign In | Contact | Help

Queue Scope

Evaluator

Case Selection

Case * Case last updated

2024 AG1 Queue Case (Summer Peak) ▾ 08/31/2022 13:22

Generator Connection

Transmission owner * Voltage level Operating mode * Desired MW *

AEP ▾ All ▾ Injection ▾

Points of interconnection *

| Available Buses | | Selected Buses |
|---|-------------------------------------|---|
| <input type="text"/> | <input type="button" value=">"/> | <input type="text"/> |
| 0523RD 138 kV (243235) | <input type="button" value="»"/> | 05ADDISO 138 kV (243465) |
| 05ABINGD 138 kV (242533) | <input type="button" value="<"/> | <input type="text" value="« < 1-1 of 1 records > »"/> |
| 05ACADEM 138 kV (242950) | <input type="button" value="«"/> | |
| 05ADAM 138 kV (243237) | | |
| 05ADAMS 138 kV (243464) | | |
| 05ADAMS1EQ 999 kV (246232) | | |
| 05ADDISON8 138 kV (244938) | | |
| 05ADDISONZ 138 kV (242951) | | |
| 05ADKINS 345 kV (245769) | | |
| 05AGAGAS 138 kV (245109) | | |
| <input type="text"/> | | |
| <input type="text" value="« < 1-10 of 1593 records > »"/> | | |

Evaluation Results