

# Interconnection Screening Tool Update "Queue Scope"

As of December 13, 2022

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#### **Queue Scope Tool Updates**

2022	Upcoming in 2023
<ul> <li>Implemented on Monday, December 5</li> </ul>	Load additional case results (2026 & 2027 RTEP base case)
<ul> <li>Located under Planning Center tools page on PJM.com</li> </ul>	<ul> <li>Development of Geospatial User Interface</li> </ul>

#### **PJM.com Updates**

- Queue Scope resides below existing Queue Point section on the Planning Center tool page
- Queue Scope tool page is also accessible via a link on the PJM Planning page
- <u>https://pjm.com/markets-and-operations/etools/planning-</u> center)

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• https://pjm.com/planning





### Queue Scope Tool Page

Queue Scope Tool Page	
<b>Disclaimer Notice</b>	<ul> <li>Disclaimer notice is included under the tool description for review by users</li> </ul>
	<ul> <li>Disclaimer review &amp; acknowledgement is required within application</li> </ul>
Application	<ul> <li>PRD &amp; TRN environments are available</li> </ul>
	<ul> <li>Includes External Public and External Secure (Login Required) versions of the application</li> </ul>
User Guide	<ul> <li>Comprehensive user guide with step-by-step instructions on how to use the tool</li> </ul>
	<ul> <li>Includes examples of various generator assessments at multiple POIs</li> </ul>
	<ul> <li>FAQ section covers use of the application and specific topics on the analysis &amp; results</li> </ul>
Training Slides	<ul> <li>Distilled version of the user guide with an overview on the application work flow</li> </ul>
Training Videos	<ul> <li>Includes stakeholder demos, application work flow overview, and scenario based examples</li> </ul>





#### **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.

#### **Tool Functionality**

- **Capabilities** Provides the ability to assess all types of generation (including batteries, pumped hydro, MTX)
  - Leverages stored results from PJM generator deliverability analysis
  - Provides facility loading impacts and headroom (MW) by POI

- 6000+ POI buses available to users within the PJM footprint
- Users have the option to run the analysis with a Transmission Planning case or Queue Study case
- **Limitations** No short circuit, voltage or stability analysis. Thermal overloads are the typical constraint.
  - Currently limited to Summer Peak analysis. Future plans to include 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 completed on Dec. 5, 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





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**Queue Scope** 

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