



Interconnection Screening Tool Update “Queue Scope”

As of December 13, 2022

2022

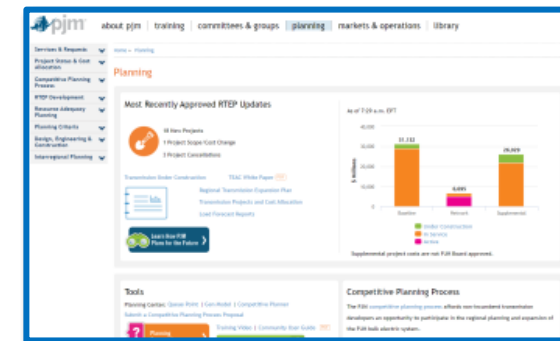
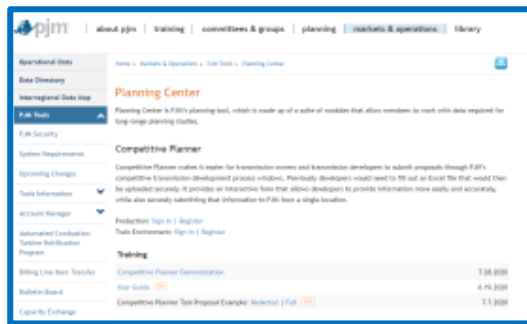
- Implemented on Monday, December 5
- Located under Planning Center tools page on PJM.com

Upcoming in 2023

- Load additional case results (2026 & 2027 RTEP base case)
- Development of Geospatial User Interface

PJM.com Updates

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



Queue Scope Tool Page

Disclaimer Notice

- Disclaimer notice is included under the tool description for review by users
- Disclaimer review & acknowledgement is required within application

Application

- PRD & TRN environments are available
- Includes External Public and External Secure (Login Required) versions of the application

User Guide

- Comprehensive user guide with step-by-step instructions on how to use the tool
- Includes examples of various generator assessments at multiple POIs
- FAQ section covers use of the application and specific topics on the analysis & results

Training Slides

- Distilled version of the user guide with an overview on the application work flow

Training Videos

- Includes stakeholder demos, application work flow overview, and scenario based examples

| Educational Recordings | |
|--|------------|
| | Date |
| Interconnection Screening Tool - Queue Scope | 10.26.2022 |



https://videos.pjm.com/media/1_78uyiouf

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.

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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