

Generator Deliverability Test Modifications

Issue Source

PJM as the Planning Coordinator for the PJM Region is reviewing all of its planning tests to ensure that they are adequate to handle the evolving resource mix.

Issue Content

This update will better ensure that PJM Generation Capacity Resources are deliverable to load throughout the year. More specifically, this effort will focus on revised deliverability requirements for wind and solar resources, adjustments to how much and which generation is ramped, use of a block dispatch approach to set up and harmonize the creation of the various RTEP base cases, redefine the light load period and temperature rating set, and multiple other changes to better handle the evolving resource mix.

Key Work Activities

- 1) Review of historical generation output data and consultation with PJM SMEs in markets and operations to develop new deliverability requirements and dispatch procedures, providing information to stakeholders regarding the operating profile and resource output probabilities associated with variable resource generation
- 2) Discuss need to update generation ramping profiles based on changes in variable resource operation
- 3) Reduce differences in light load, summer, and winter procedures to reduce overall complexity through some harmonization of testing methods

Expected Deliverables

- 1) Information sessions for stakeholders
- 2) Study results under the new approach
- 3) Proposed revisions to PJM business manuals

Decision-Making Method

Quick Fix

Stakeholder Group Assignment

Planning Committee.

Expected Duration of Work Timeline

In time for calendar year 2022, to be effective in time for the 2022 RTEP.

Start Date	Priority Level	Timing	Meeting Frequency
8/1/2021	<input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low	<input checked="" type="checkbox"/> Immediate <input type="checkbox"/> Near Term <input type="checkbox"/> Far Term	<input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly



Charter

<input type="checkbox"/>	This document will serve as the Charter for a new group created by its approval.
<input type="checkbox"/>	This work will be handled in an existing group with its own Charter (and applicable amendments).

More detail available in M34; Section 6