

Outage Coordination

Issue Source

PJM is bringing this issue forward ~~for consideration~~ to expand stakeholder understanding of the processes used for transmission and generation outage scheduling and coordination and to develop process enhancements where appropriate and improve overall transparency, as well as improve or enhance existing transmission and generation outage coordination processes.

Issue Content

The work is intended to address transmission and generation outage coordination at PJM in general.

Key Work Activities and Scope

The following areas will be reviewed and discussed:

1. Education and review of Ccurrent procedures for submitting, classifying (i.e. on-time, late), evaluating, approving and scheduling transmission and generation outage requests including study timelines, analytical activities (i.e. reliability studies, expected congestion studies) and adjustments to the submitted outages based on PJM's review.
2. Education and review of Ccurrent procedures for submitting, evaluating and approving TERM tickets for transmission equipment ratings changes and as applicable the associated outage scheduling process to effect necessary repairs equipment to return it to its prior rating.
3. ~~Post RTEP upgrade approval and the subsequent~~ Review of outage planning / coordination processes required for RTEP project implementation. This effort will focus on projects that may require extended outages of existing facilities (e.g. transmission line rebuild projects).
4. Review of processes for Coordinating ~~generation outages and transmission outages.~~ This will include coordination with other transmission owners, generation owners and adjacent systems or ISOs.
5. Education and review of Transmission outage acceleration processes and metrics including
 - a. the current practice of reviewing outages that exceed 5 days and cause more than \$500K in congestion revenue inadequacy
 - b. the existing process for planned and forced outages as well as the potential of expanding the process to include facilities that may have a reduced rating due to a material condition issue

6. [Propose modifications and improvements to Transmission transmission](#) and generation outage assessments, transparency and available tools. Discussion of outage assessments will include reliability and congestion assessments [for the PJM system](#) and to the extent applicable a review of the impacts of neighboring region outages on the PJM system.

Out of Scope

Modifying the Transmission Owners' ability to take necessary outages on their facilities. Any proposal that conflicts with Article 4 of the Consolidated Transmission Owners Agreement (CTOA).

Expected Deliverables

- ~~Education on existing outage planning / coordination processes. Education will include:~~
 - ~~Process for scheduling transmission outages including the submittal rules, rescheduling outages and how that may impact status (e.g. on-time), coordination with other TOs, coordination with other RTOs and for coordinating with impacted generators.~~
 - ~~Processing transmission outages including priority, study timeline, analytical activities (i.e. reliability studies, expected congestion studies) and adjustments to the submitted outage based on PJM's review.~~
 - ~~Generation outage reporting processes and timelines for "planned" and "maintenance" outages including how they are evaluated~~
 - ~~Transmission outage acceleration process~~
 - ~~Processing temporary rating changes~~
- Potential enhancements to existing tools, [and](#) processes [and transparency](#)
- Potential revisions to PJM Tariff/Operating Agreement and PJM manuals including PJM Manual 03 – Transmission Operations, PJM Manual 10 – Pre-Scheduling Operations, PJM Manual 38 – Operations Planning, [PJM Manual 3A – Energy Management System \(EMS\) Model Updates and Quality Assurance \(QA\)](#).

Decision-Making Method

It is anticipated that this work may be accomplished using the CBIR process with a goal of Tier 1 consensus.

Stakeholder Group Assignment

This work may be accomplished in the Operating Committee and/or in special sessions of the Operating Committee.

Expected Duration of Work Timeline

This work will begin after approval of the Issue Charge and is expected to take up to a year to complete.

| Start Date | Priority Level | Timing | Meeting Frequency |
|------------|----------------|--------|-------------------|
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Issue Charge

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|----------|---|--|--|
| 6/1/2022 | <input type="checkbox"/> High <input checked="" type="checkbox"/> Medium <input type="checkbox"/> Low | <input type="checkbox"/> Immediate <input checked="" type="checkbox"/> Near Term <input type="checkbox"/> Far Term | <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Quarterly |
|----------|---|--|--|

Charter

(check one box)

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