



Reliability Analysis Update

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PJM Transmission Planning

Transmission Expansion Advisory Committee
September 13, 2024



- 2024 Window 1 Updates
- P5 Reliability Violations - Updates

2024 RTEP Window 1 Updates

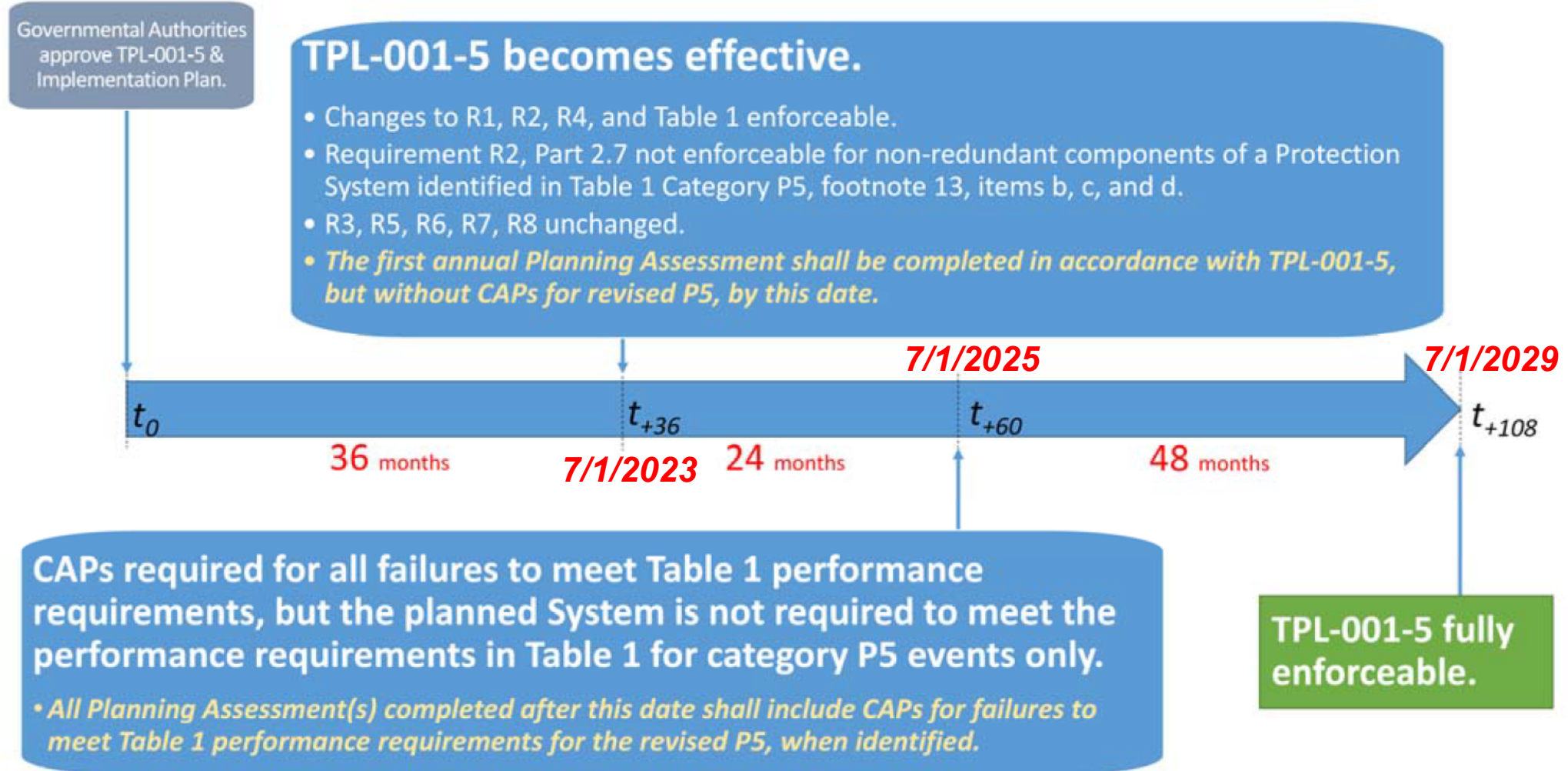
- Window Closing extended to Sept 17th (5PM EST)
 - Due to the Window closing on the same day as the September 13th TEAC, PJM has decided to extend the 2024 RTEP window 1 until Tuesday, September 17th, at 5PM EST.
 - Please note that PJM will not be posting a sensitivity case for the anticipated AEP and ATSI load forecast increase part of 2024W1 RTEP package. PJM did not identify new needs that are directly related to the current window and hence decided to focus its effort on the needs currently part of the 2029 and 2032 baseline RTEP needs already posted for the 2024W1 RTEP. Any additional needs will be captured part of the 2025 RTEP.
 - Please ensure submissions are accompanied by simplified diagram outlining the project's overall scope
 - PJM is expecting a large number of proposals and the added clarity will help expedite the review process.
- Window summary and solutions to be brought forward to the TEAC starting in Oct. 2024 and through Jan. 2025
- Board approvals in Feb 2025

- PJM will start scheduling presentation meetings with major 2024W1 proposing entities
 - Similar process to earlier RTEP Windows
 - Purpose is to provide a walk through proposal high-level description and merits
- PJM targets to have at least one additional consultation meeting with major proposing entities in the Oct/Nov timeframe
 - To support final selection process and discuss project merits and how they compare to other projects being considered by PJM

- 2024 RTEP Window 1 Closes on Tuesday 9/17/2024 at 5PM EST
 - [Competitive Planner Application](#)
 - Please refer to the [Best Practices Presentation](#) for any questions on the submittal process
- Reminder: PJM is requesting that all Non-Competitive Solutions to be submitted by 5PM on 9/17
 - [TO Planner \(Non Comp Baseline Tool\)](#)
- If there are any issues please reach out to Tarik Bensala and Andrew Woodall
 - Tarik.Bensala@pjm.com
 - Andrew.Woodall@pjm.com

TPL-001-5 P5 Contingency Violations Updates

- As previously presented during the August TEAC, PJM has determined that the P5 CAPs will be exempted as reliability violations on transmission substation equipment (OA, Schedule 6, section 1.5.8(p)). The construction responsibility for and ownership of each project shall be designated to the respective incumbent Transmission Owner.
- The solution to the violations resulting from lack of redundancy, lack of alarming, or DC supply issues including monitoring and alarming, is to incorporate local redundancy or implement needed alarms/protection/DC supply enhancements within existing substation equipment.
- PJM is presenting here a summary of the P5 violations from the 2024 Series RTEP (2029 SUM/WIN/LL cases).
 - PJM does not intend to post detailed information regarding the violations due to CEII/CIP-014 considerations.
- PJM is currently working with Transmission Owners to finalize the CAPs by July of 2025.
 - The NERC Implementation Plan involving the development of CAPs for Category P5 planning events is provided on the following slide.





PJM TO's	Summer/Winter/LL P5 Violation Count	PJM TO's	Summer/Winter/LL P5 Violation Count
AEC	172	EKPC	60
AEP	1731	JCPL	171
APS	3216	METED	618
ATSI	944	PECO	372
BGE	458	PENELEC	83
COMED	447	PEPCO	25
DAY	29	PPL	0
DEOK	5	PSEG	42
DPL	211	OVEC, UGI, RECO, DLCO, SMECO	0
DVP	1395		

Violations observed are by TO contingency, not facility
 All results are preliminary

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Version No.	Date	Description
1	9/10/2024	<ul style="list-style-type: none">• Original slides posted
2	9/12/2024	<ul style="list-style-type: none">• TPL-001.5 P5 Violations Slide Updated

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