

RTEP Structure & Timing

Approach & Clarifications

Summary:

The purpose of this document is to provide supporting information for the RTEP Structure & Timing Diagrams. The first section describes the approach for evaluating the structure and timing of the RTEP Process. The subsequent section include details and clarifications about the current 12-Month RTEP Cycle. The numbered notes in the RTEP Cycle sections correspond to numbers on the diagram.

Approach:

The RTEP Structure & Timing diagram includes key interdependencies based on inputs and outputs to the RTEP process. All planning processes with possible relationships to the RTEP were evaluated. Key parts of each planning process as it relates to the timing and structure of the RTEP process are included.

Processes that are constrained by duration, start date, or end date are marked on the diagram (see Legend of diagram) and are detailed in the “Clarifications” sections below. Some of the processes are tied to specific dates or periods of time by the PJM Operating Agreement (OA), Open Access Transmission Tariff (OATT), or Manuals. Dates or lengths of time that are not mandated in the governing documents are depicted as departmental goals driven by the timing, interdependencies, and deliverables of key RTEP-related processes.

The Current 12-Month diagram depicts how the 2021 RTEP Cycle occurred in 2015 and 2016. The solid color boxes represent pieces of the 2021 RTEP Cycle, and the faded color boxes represent overlapping 2020 and 2022 RTEP Cycles.

Clarifications: Current 12-Month Cycle Diagram

Stakeholder Forums, Recommendations & Reports

1. *TEAC Meetings*: Currently meets monthly. Exact frequency of meetings is not a governing document requirement. Schedule 6 Section 1.3 (b) of the OA only specifies that the TEAC “meet periodically.”
2. The *Sub-Regional RTEP (SRRTEP)* reviews enhancements at the local level (230 kV and below). SRRTEP meetings occur separately from the TEAC three to five times per year.
 - a. Schedule 6 Section 1.3 (f) of the OA requires the SRRTEP Committee to meet once per planning cycle to identify violations and potential solutions. It also requires an additional SRRTEP Committee meeting once (does not clarify time frame) to review criteria, assumptions, models, constraints, public policy, etc.
3. *Notification of recommendations 30-day prior to the board*: The Schedule 6 Section 1.5.6 (e) of the OA requires that the TEAC should provide opportunity for stakeholders to collaborate on the preparation of the recommended enhancements and expansions.
4. *Timing of Project Recommendations to the Board*:
 - a. Currently, the majority of TO Criteria projects are brought to the July Board Meeting, with overflow projects going to the October Board Meeting. The majority of window projects are brought to the October & December Board Meetings for approval, with overflow projects going to the February Board Meeting of the next year.
5. *TEAC Whitepapers*: RTEP documentation is derived from requirements under the PJM Operating Agreement, Schedule 6, Regional Transmission Expansion Planning Protocol, Section 1.6. There are no specific requirements for the TEAC Whitepaper in the OA, but PJM’s practice has been to release TEAC Whitepapers 30-days of board approvals of RTEP projects.

Resource Adequacy Planning

6. The *Load Forecast and Demand Response Forecast* must be complete by mid-December in order to complete the PJM Capacity Emergency Transfer Objective (CETO) by the end of December. The Reliability Pricing Model (RPM) Analysis is dependent on this timing.

Interconnection Analysis

7. Under the current process, the RTEP Case Clean-Up should be complete by the beginning of March to accommodate the timing needed for the interconnection process. The implementation of new queue dates will push this timing one month earlier, and future RTEP Case Clean-ups should be complete by the beginning of February.

Transmission Planning

8. The *Multiregional Modeling Working Group (MMWG)* is external to PJM, but coordinates with the PJM Modeling & Support group.
9. The *Machine List* must be complete by mid-December in order to complete the RPM CETO by the end of December.
10. Today, the *RTEP Case Clean-Up* must be complete by the beginning of March for queue modeling preparations by Interconnection Analysis. The new queue timing will push this timing one month earlier.
11. The *RPM Case Build* must be complete by the end of December in order to complete the RPM CETO by the end of January.
12. The *RPM Analysis* must be complete by the end of January. The results of this analysis are part of the RPM BRA Planning Parameters that are posted February 1 prior to the BRA (Manual 18, Section 5.2).
13. *RTEP Window Proposal Period*: Currently, PJM opens one to three 30-day RTEP reliability proposal window(s).
 - a. The Schedule 6 Section 1.5.8 (c) of the OA requires a duration of 30 days for Short-term Project proposal windows. The durations may be changed under the specific circumstances specified in the OA.

Market Efficiency

14. The *24-month Market Efficiency Cycle and Long Term Window* are defined in Section 1.5.7 and Section 1.5.8 (c) of the OA.
15. The *Market Efficiency Case Build* must be complete and the cases must be posted by the end of September to satisfy Joint Operating Agreement requirements for stakeholder coordination.