

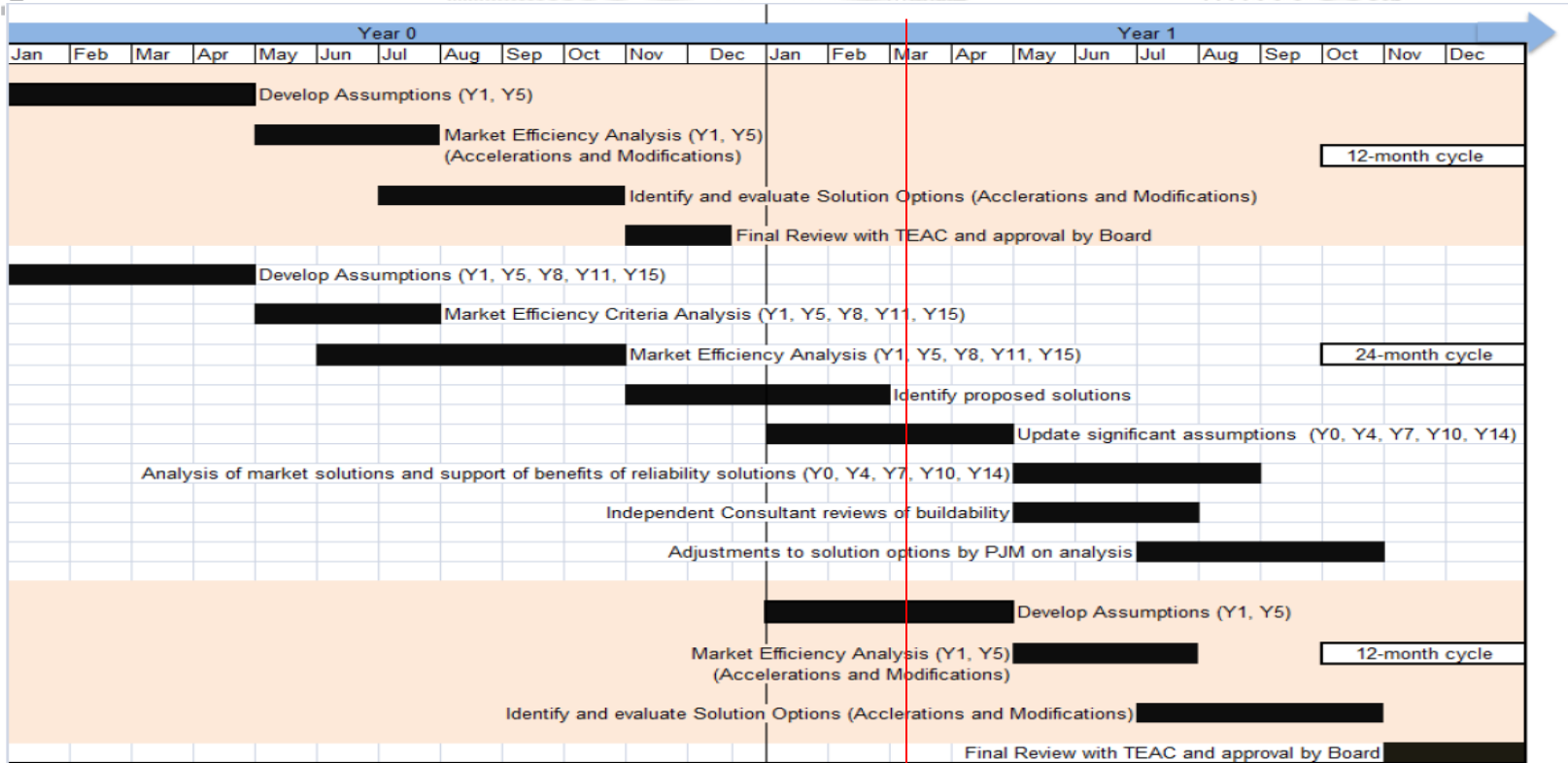


Transmission Expansion Advisory Committee Market Efficiency Update

March 09, 2017



Market Efficiency Timeline





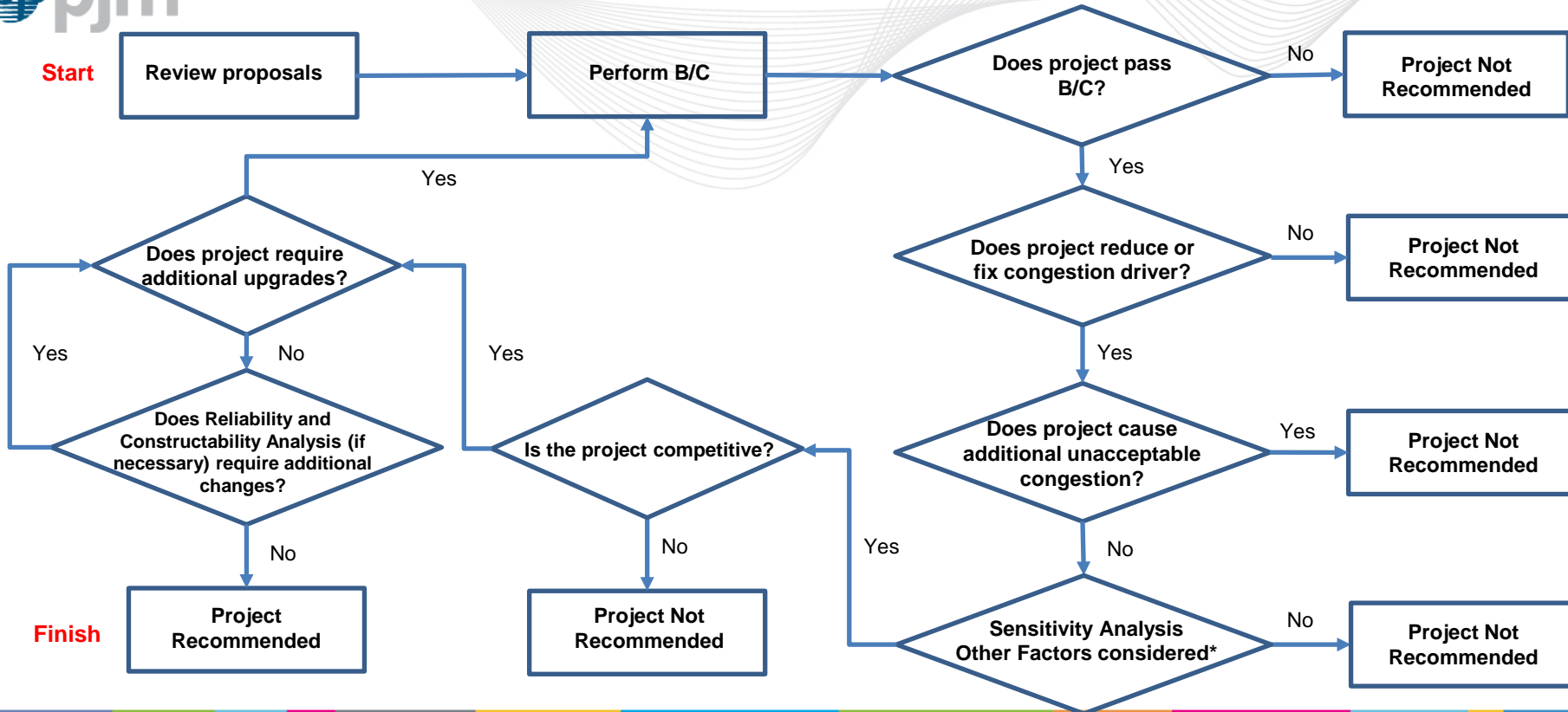
2016-2017 Long Term Window – Projects Received

- 96 market Efficiency Proposals
 - 52 Greenfield
 - \$15.8M - \$371.3M
 - 44 Upgrades
 - \$0 - \$192.07M
- 20 proposing entities (including 6 combinations of joint proposals)
- 8 Interregional proposals
 - 5 Greenfield
 - 3 Upgrades



2016/17 Long Term Proposal Window – Study Approach

- Step 1: Review projects
 - PJM will contact proposer if need clarification of modeling.
 - Approved base line reliability projects may eliminate need for several projects.
- Step 2: First pass of project evaluations assuming proposer supplied data.
- Step 3: Determine if there are any obvious optimal projects in focused areas.
 - Areas with quick fixes or lower cost reinforcements
- Step 4: Detailed Analysis in areas with many project submissions



* Other factors considered such as PJM Overall Production Cost, load Payments, and congestion

- Long term proposal window: Nov 2016 - Feb 2017
- Mid-cycle update of major assumptions: Jan 2017 – Apr 2017
 - Load forecast, Fuel prices, Generation expansion, Network topology
 - Only updating the most significant changes, not full update.
- Analysis of proposed solutions: May 2017 - Oct 2017
 - Independent consultant review of cost and ability to build
 - Review of analysis with TEAC: Jun 2017 - Nov 2017
- Determination of final projects: Dec 2017
 - Final review with TEAC and Board approval
 - Projects may be approved earlier if analysis and review complete

Appendix

2017 Market Efficiency Overall Schedule

Milestone	Schedule 2017
Reevaluation approved Market Efficiency projects	February – May 2017
Base Case Mid-Cycle Update Significant Assumptions	January – April 2017
Analyze Submitted Proposals	May – October 2017
Acceleration Analysis	May – October 2017
Final TEAC Review and Board Approval	December 2017

Questions?

Email: RTEP@pjm.com