



Long-Term Transmission Planning Workshop Session Feedback

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Long-Term Transmission Planning
Reform Workshop
March 29, 2022

- This slide deck represents feedback received since the March 8 feedback slides were posted as part of the main presentation
- Feedback previously included in the March 8 feedback presentation is included in the Appendix of these slides

- PJM develop, internally, a method to establish a probability of generation retirement based on yet to be developed metric (i.e. unit operation, age, size, etc).
- Additional feedback received from SEIA which PJM believes is incorporated in the presentation they will provide at today's meeting

- Presentations from Stakeholders (today)
- Additional feedback requested (follow-up email notification to stakeholders after 3/29 meeting)
- PJM to review feedback and post feedback
- PJM will look to determine if any of the concepts expressed by stakeholders should be incorporated in the discussion paper.
- PJM will discuss updates to the discussion paper as part of the May 10 meeting.

Appendix

- Now is an opportune time to work towards a holistic approach in planning the grid of the future by pursuing the development and adoption of criteria for scenario-based transmission planning.
- Changes to enhanced long-term transmission planning must be coordinated with transmission owners and other impacted stakeholders.
- LRTP process should be as transparent as possible with all the data available to the stakeholder
- Scenario planning in a multi-state RTO will be challenging. Interest alignment amongst states may pose challenges.
- Potential scenarios should more specifically account for state and federal public policy initiatives

- With federal, state, and private industries drastically shifting to meet renewable objectives in the near and longer-term horizon, it is incumbent on PJM and its stakeholders to proactively consider how to best incorporate these goals and others into the planning process so that the transmission system can be optimally designed and built to accommodate these multi-driver needs.
- PJM should consider identifying renewable zones and foster discussions with both TOs and states on cost allocation issues associated with implementing scenario-based planning.

- Enhancements to long-term planning should address the increasing penetration of renewable generation, and likely accelerated deactivations of existing thermal generation and the implications on Resource Adequacy, Transmission Security, Fuel Security and Essential Reliability Services.
- PJM and its stakeholders should work towards an actionable approach for scenario-based transmission planning that allows for the development of infrastructure necessary to address specific violations that are determined through the various scenarios PJM would study so as not to overbuild or under-build the system

- Scenario planning should be based on defined shorter-term planning horizons of 5 to 7 years to minimize uncertainty and risk.
- If speculative transmission building is ordered, strengthening the high volt transmission system to facilitate greater zonal transfers of energy will likely have value whether or not the specific scenarios materialize.
- Increasing transfer capability between RTOs will also facilitate greater bulk transfers.
- LRTP process should be coordinated with neighboring RTOs or utilities for efficient studies
- Scenario-based planning should remain separate and distinct from the existing RTEP studies, inclusive of the local planning process as identified in M3.

- Although, these processes should be maintained in order to continue to support reliability for our customers, an evaluation should be considered if a scenario-based violation interacts with other planning needs and violations.
- Enhanced project selection evaluation to ensure selected solutions address the immediate reliability issue and provides options for expansion to address longer term planning needs/solutions including testing loading conditions to ensure adequate headroom to and a projects ability to provide reliable service for the foreseeable future.

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Long-Term Transmission Planning Reform Workshop



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