

Transmission Planning Coordination

Problem Statement

Both PJM and MISO perform system planning studies for the planning horizon (i.e. greater than 12 months in the future). These studies include baseline reliability studies, market efficiency studies, interconnection queue and transmission service request studies and requests for incremental ARR or market participant funded upgrades. Each RTO uses its own models, assumptions and processes to perform these evaluations. The methods and processes used to perform these studies could be aligned and coordinated better. Aligning and coordinating the models and assumptions used in these respective analyses would ensure greater consistency of the analysis results and greater transparency regarding the expansion plans that are developed in each of the RTO footprints and facilitate joint system planning studies that are intended to address common operational, reliability and market efficiency problems.

Issue Source

Ameren and Exelon recommended linking the RTEP and MTEP processes including aligning queue processes and coordinating studies to identify interconnection requests with cross-RTO impacts.

MidAmerican recommended improving coordination of the long-term transmission planning (MTEP/RTEP) and to clarify and coordinate the process for MP (market participant?) funded upgrades.

Wisconsin PSC recommended increasing transparency for all stakeholders in identifying needed transmission infrastructure upgrades.

NIPSCO noted that joint planning activities could be enhanced including aligning assumptions such as transmission topology and generation and monitoring adjacent systems. In addition, transparency could be enhanced by improved communication amongst impacted parties.

Key Work Activities

1. Identify areas where increased transparency in to the processes in both RTOs could be provided (3 months)
2. Identify areas where generator interconnection and transmission service request (TSR) study (queue) alignment could be improved (timing, models, assumptions, TO involvement, etc.) (3 months)
3. Identify areas where reliability and market efficiency planning (MTEP/RTEP) alignment could be improved (models, assumptions, TO involvement, etc) and review processes for identification of cross-border projects and identify areas for potential improvement via continued development of joint compliance to FERC Order 1000. (6 months)
4. Review processes for market participant funded upgrades and identify additional areas of potential improvement, including Firm Flow Entitlement (FFE) assignment (6 months)
5. Implement identified opportunities for additional transparency (6 months)

6. Implement identified areas for improved alignment between the generator interconnection and transmission service request (TSR) study processes (6-12 months)
7. Implement identified areas for improved alignment between MTEP/RTEP processes and implement identified areas for improved identification of cross-border reliability and market efficiency projects(6-12 months)

Expected Deliverables

It is expected that business process, manual, operating agreement and tariff revisions will be generated as appropriate for each RTO as well as revisions to the Joint Operating Agreement. It is understood that these documents will necessarily require endorsement through each RTO's stakeholder processes.

Expected Overall Duration of Work

Coordinated System Planning:

- PJM and MISO staffs expect that these activities will be completed as part of joint FERC Order 1000 compliance discussions later in 2012 and during the first quarter of 2013. Initial joint stakeholder discussions expected in October with subsequent stakeholder meetings as necessary through March 2013.
- Market efficiency planning study expected to commence before October 1, 2012 and extend for 12-18 months.

Generator Interconnection and Transmission Service Request Coordination Issue (mid-year 2013)

Market Participant Funded Upgrades Issue (mid-year 2013)