

A large, light gray, stylized sun graphic is positioned on the left side of the slide. It features a central white circle with rays extending outwards, forming a semi-circle. The rays are represented by various geometric shapes like triangles and trapezoids, creating a fan-like effect.

Capacity Deliverability

May 27, 2015
MISO-PJM JCM

Key Takeaways and Objective

- **Capacity deliverability seeks to eliminate barriers for capacity transactions across the seam**
- **MISO is evaluating options to improve efficiency in the PJM to MISO direction**
- **MISO and PJM are seeking initial stakeholder reaction to these concepts by June 26th**

Pursuing Capacity Deliverability

- **MISO is interested in pursuing capacity deliverability**
 - The transmission capability in the PJM to MISO direction is minimally utilized for capacity
 - MISO to PJM direction is almost fully subscribed
- **Three benefits to pursue joint deliverability**
 - Certainty with respect to Firm scheduling rights and elimination of the requirement to obtain Firm Transmission Service for RTO capacity auctions
 - May lower overall costs to consumers across the two RTOs for Capacity Resources
 - May have the potential to send clear signals for transmission planning investments

External Resources Qualification Requirements for MISO Planning Resource Auction

- Firm Transmission Service to the border of MISO's Region and one of the following:
 - Firm Transmission Service within MISO (Point-To-Point, Network Integration Transmission Service, Grandfathered Agreement)
 - Network Resource Interconnection Service
 - Designated Network Resource prior to the Energy Market in 2005
- External Balancing Authority where resource is located complies with interruption options described in MISO's tariff
- Perform real power test and submit performance data (Generation Availability Data System)
- Certify resource is not being used as a capacity in any other resource adequacy construct/plan

Options under consideration

- **External Network Resource Interconnection Service**
- **Modified external Network Integration Transmission Service**
- **MISO system deliverability of PJM resources**
- **Other?**

External Network Resource Interconnection Service

- External Network Resource Interconnection Service allows an External Resource to serve Network Load similar to internal Network Resource
 - Requires Transmission Service to the MISO border and is analyzed for Network Resource Interconnection Service to MISO
 - Process and operational characteristics align with internal Network Resource Interconnection Service
 - Study technique examines the ability of generation in aggregate to serve load in aggregate
 - Exists in MISO's tariff, detailed procedure is being vetted through MISO stakeholder process
- Potential hurdles:
 - Study process is still being vetted
 - Study timeline

Modified external Network Integration Transmission Service

- Offer Network Integrated Transmission Service to generators and allow the MISO Network Load to be identified in Planning Resource Auction
 - Today, if a load is not identified Point-To-Point Transmission Service Requests is only option
 - External Resources that clear the MISO auction will ultimately serve MISO Network Load
 - Process and operational characteristics align with Network Integration Transmission Service
 - Study technique will be from specific MISO resource or external interface to the sink local balancing authority and an examination of generation in aggregate to serve load in aggregate
 - Consistent with External Resources requesting Network Integration Transmission Service today
- Potential hurdles:
 - Impacts / consistency with existing standards
 - Software changes
 - Time to implement

MISO system deliverability of PJM resources

- Apply the joint deliverability concept to PJM resources into MISO
 - Apply similar concepts and process as identified through the Fact Finding effort
 - MISO evaluates PJM generators to the MISO footprint
 - Study technique examines the ability of generation in aggregate to serve load in aggregate and the study area will consider both MISO and PJM
 - Offer an annual product based on existing capability of transmission system
- Potential hurdles:
 - Significant annual study effort
 - Study process specifics
 - Time to implement

Next Steps

- MISO is open to considering other options that stakeholders may identify
- MISO and PJM are evaluating improvements to the Transmission Service Request coordination process
- Feedback requested by June 26th
 - August JCM: Developed concept, feedback will be requested
 - November JCM: Detailed proposal
 - December: Necessary filings

Contacts

- **Jesse Moser**
 - jmoser@misoenergy.org
- **Jeanna Furnish**
 - jfurnish@misoenergy.org