



# MISO-PJM JCM Template

## Capacity Deliverability Issue Discussion



# Capacity Deliverability Issue Discussion

- Issues and concerns have been raised regarding capacity deliverability
- MISO and PJM have summarized the issues and assigned a status
  - Requires Further Definition, Open, and Resolved

# Capacity Deliverability Issue - Reliability

**Issue 1** – Some concerns have been raised regarding if reliability could be negatively impacted by allowing external resources to provide capacity.

## Response:

- External resources provide a reliable economic source of capacity today in both capacity markets
  - MISO ~ 3500MW of external capacity
  - PJM ~ insert numbers
- External resources must meet all qualification and performance requirements
  - Firm Transmission
  - Physical Resources
  - Energy Market Must Offer Requirements

**Status:** Resolved

# Capacity Deliverability Issue - Reliability

**Issue 2** – Receiving Balancing Authority must have direct dispatch control over external capacity resources

## Details:

- PJM presented external participation options at the Sept. JCM meeting
  - Pseudo-tie (direct dispatch control by receiving BA)
  - Fixed Schedules (dispatch control by host BA)
  - Dynamic Schedules (dispatch control by host BA)
- External resources are currently meeting performance requirements in both PJM and MISO without direct dispatch control

**Status:** Resolved

# Capacity Deliverability Issue - Reliability

**Issue 3** – Not all generators in MISO or PJM can be used to meet resource adequacy requirements across the border.

## Details:

- MISO and PJM agree that there are limitations to the amount of capacity that can be reliably delivered across the seam (transmission and dispatch flexibility)
- How do we quantify what these limitations are?
- Do existing processes provide for efficient use of the transmission system?
- Do existing processes provide transparency into existing transmission limitations?

**Status:** Open

# Capacity Deliverability Issue – Market Design

**Issue 4** – Resolving capacity deliverability requires MISO and PJM to have the same capacity market designs

## Details:

- MISO and PJM have both indicated that capacity has and will be able to continue to be sold across the seam despite any differences in capacity market design

**Status:** Resolved

# Capacity Deliverability Issue – Market Design

**Issue 5** – Resolving capacity deliverability requires MISO and PJM to have a common day ahead energy market

## Details:

- MISO and PJM have both indicated that capacity has and will be able to continue to be sold across the seam despite different day ahead energy markets
- There may be opportunities to improve coordination of commitment, dispatch, and scheduling processes to improve operations with lead to new issue documentation

**Status:** Resolved

# Capacity Deliverability Issue–Generator Deliverability

**Issue 6** – Determine actual physical capability of the transmission system and volumes of transmission service used and available for future cross border capacity transactions

## Details:

- MISO and PJM agree that all resources should be treated comparably when determining deliverability to load
- MISO and PJM are working with the OMS and OPSI to run transfer analysis to begin to better define the issue
- Future work, within the JCM process, includes determining how to coordinate joint deliverability studies and determining reliability limits on capacity transfers across the seam
- Need to ensure that Capacity Benefit Margin is included

**Status:** Open