# MISO / PJM Inter-Regional Planning

# Stakeholder Advisory Committee (IPSAC)

October 21, 2005

# Agenda

1) **Introduction of Joint RTO Planning Committee (JRPC) and Discussion of JOA Obligations**

2) **Discussion of Proposed MISO-PJM Coordinated System Plan Scope of Work**

3) **Stakeholder Discussion Concerning MISO-PJM Coordinated System Plan Scope**

# Introduction of Joint RTO Planning Committee (JRPC) and Discussion of JOA Obligations

- **Joint RTO Planning Committee (JRPC)**
  - Sub-committee of the Inter-RTO Steering Committee (ISC)
  - Members are MISO and PJM planning staff - Scott Gass (Chair), Mark Sims, Mahendra Patel, Jeff Webb, Ron Arness, John Lawhorn
  - **Responsibilities include:**
    - **Develop common power system model**
    - **Coordinated generation interconnection studies**
    - **Coordinated system plans**
    - **Provide for review by stakeholders through the Inter-regional Planning Stakeholder Advisory Committee (IPSAC)**

# JRPC Schedule of Activities

- **Generator interconnection study coordination in progress**
- **Coordinated system plan scope and schedule review with stakeholders (IPSAC) – October 21st**
- **Complete first coordinated system plan – August 2006**

# IPSAC

- **Structure - by JOA**
  - **PJM TEAC + MISO PAC**
- **Function**
  - **Stakeholder review and input into development of coordinated system plan**
- **Meetings**
  - **Three minimum during development and completion of coordinated plan – the first meeting is October 21st.**

# Preferred Structure for IPSAC

- **PJM TEAC is an open stakeholder forum facilitated by PJM staff**
- **MISO PAC forming – consists of stakeholder chair and specific sector members**
- **Preferred structure of IPSAC is to have an open forum facilitated by PJM and MISO staff**

# Coordinated System Plan Schedule

- **Develop 2011 MTEP/RTEP Basecase – October 2005**
- **Develop scope and schedule and review with IPSAC – October 21, 2005**
- **Complete preliminary analysis and review with IPSAC - 2nd quarter 2006**
- **Finalize analysis, report and review with IPSAC – 3rd quarter 2006**

# Discussion of Proposed MISO-PJM Coordinated System Plan Scope of Work

# Model Development

- **2011 Peak Summer Base System Model**
  - **Include all interconnection projects with an executed ISA and associated network upgrades**
  - **Include all enhancements included in the MISO / PJM regional transmission expansion plans**
  - **Include approved long term firm interchange**

- **Collaborate on development of a combined 2011 production cost model suitable for evaluating possible future market operations**

# Generator Deliverability Analysis

- **Complete generator deliverability analysis on 2011 base system model**
  - **MISO generator deliverability to MISO load and PJM generator deliverability to PJM load**
    - Identify any cross border constraints
    - Identify deliverability impacts of any constraints
    - Identify preliminary solutions
  - **Evaluate Potential for Deliverability of Combined Network Resources to a common (both MISO and PJM) market**
    - Determine reasonable regions of deliverability
    - Identify Network Resources that would be deliverable in a common market
    - Identify constraints and potential preliminary solutions

# Baseline Reliability Analysis

- **Complete analysis on 2011 base system model**
- **Previously discussed generator deliverability analysis will address N-0 and N-1 contingencies**
- **Study N-2 Contingencies for 345 kV and Greater Facilities**

# Market Performance Analysis

- **Complete a market simulation of the combined MISO/PJM systems**
- **Identify Areas of Highest LMP Spreads**
- **Identify Facilities Producing Highest Projected Congestion**
- **Identify Preliminary Solutions**

# Sensitivity Analysis

- **Perform sensitivities, as required, based on cross-border operability issues identified over the previous year**

# Stakeholder Comments on

# MISO-PJM Coordinated System Plan