

APPA and TEA[®] Team Up to Offer a Workshop on MISO Implementation

TWO DATE TO CHOOSE

February 14 - 15

Indianapolis Marriott Downtown
Indianapolis, Indiana

February 16 - 17

Hilton Minneapolis
Minneapolis, Minnesota

On March 1, 2005, the Midwest Independent Transmission System Operator (MISO) is scheduled to begin operating the Midwest Energy Markets. This move will create significant changes in how the market operates in this region. MISO covers all or part of the following states: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, North Dakota, Ohio, South Dakota, and Wisconsin.

The American Public Power Association and The Energy Authority[®] are offering

this one and one-half day workshop on *What MISO Means for Municipal Utilities*. The workshop is focused on how MISO will affect municipally-owned utilities and provide information on how your utility will need to function in this new environment. This workshop will cover:

- An overview of the MISO Market
- MISO's Trading and Scheduling requirements
- Data and information requirements
- Market interactions
- Settlement in the RTO environment
- Credit in the MISO environment
- Financial Transmission Rights for Municipal Utilities
- Interactive Walk-Through of Operating in the MISO Market

Cohosted by

American Municipal Power - Ohio
Indiana Municipal Electric Association
Minnesota Municipal Utilities Association
Michigan Municipal Electric Association
Municipal Electric Utilities of Wisconsin

If your utility is in or near the MISO Region, you can't afford to miss the opportunity!

Overview of the MISO Workshop

PART 1: MISO Market Overview

- Today's market
- Evolution of RTOs
- Changes to the business under an RTO
- Features of an RTO market
- MISO market structure
- Financial Trading Rights defined
- FTR market overview
- Day-Ahead market overview & requirements
- Real-Time market overview & requirements
- Implications of self-scheduling
- Scheduling alternatives

PART 2: Trading & Scheduling in the MISO Market and Lessons Learned from Market Trials

- Data & information requirements
- Overview of market interactions
 - ◆ Day-ahead market
 - ◆ Real-time market
 - ◆ System operations
 - ◆ FTR interactions
 - ◆ Financial interactions
- MISO trading requirements
 - ◆ Long-term
 - Support long-term supply decisions
 - Support FTR decisions

- ◆ Short-term
 - Basic MISO market structure
 - Understanding the MISO/SMD theory
 - MISO Trading Schedules
- Key lessons learned

PART 3: Settlement, Invoicing and Credit in the MISO Market and Lessons Learned from Market Trials

- Settlement in the RTO environment
 - ◆ Objective of market settlements per MISO
 - ◆ Statement & invoice definitions
 - ◆ Settlement statement calendar
 - ◆ Types of settlement statements
 - ◆ Settlement charge type definitions and examples
 - Day-ahead
 - Real-time
 - FTR
 - ◆ Invoice payment process
 - ◆ Market net invoices
- Credit in the MISO environment
 - ◆ Getting credit from MISO
 - ◆ Credit limits under MISO
 - ◆ Netting & credit losses

PART 4: FTR Issues for Municipal Utilities

- Understanding Financial Transmission Rights (FTRs)
 - ◆ Characteristics of FTRs
 - ◆ Why we need FTRs & reasons for using them
 - ◆ Two types of FTRs
- Acquiring FTRs
- Nomination & allocation of candidate FTRs
- Determining FTR cash flow
- Locational Marginal Pricing defined
 - ◆ Example
- Questions to ask regarding FTRs
- Valuing FTRs

PART 5: Interactive Walk-Through of Operating in the MISO Market

- The life of an energy transaction in the MISO market
 - ◆ Decisions on participating in the day-ahead or real-time market
 - ◆ Submitting day-ahead offers to sell energy
 - ◆ Receiving day-ahead awards
 - ◆ Meeting real-time energy requirements
 - ◆ Preparing shadow settlements
 - ◆ Reconciling shadow settlements to MISO settlement statements
 - ◆ Reconciling settlement statements to MISO invoices

Hotel Information

**Indianapolis, Ind.
February 14-15, 2005**

Indianapolis Marriott Downtown
350 West Maryland Street
Indianapolis, IN 46225
Phone: 317-822-3500
Rate: \$129.00 single/double

**Minneapolis, Minn.
February 16-17, 2005**

Hilton Minneapolis
1001 Marquette Avenue
Minneapolis, MN 55408
Phone: 616-397-4839
Rate: \$99.00 single/double