Indiana Utility Regulatory Commission



Market Design
Laura Cvengros
Assistant Director
Electricity Division

November 25, 2004

Regional Transmission

Organizations



BENEFITS

Financial

Open Access Centralized Dispatch Transmission Expansion Energy Markets

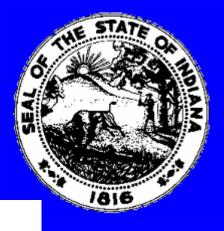
Operational

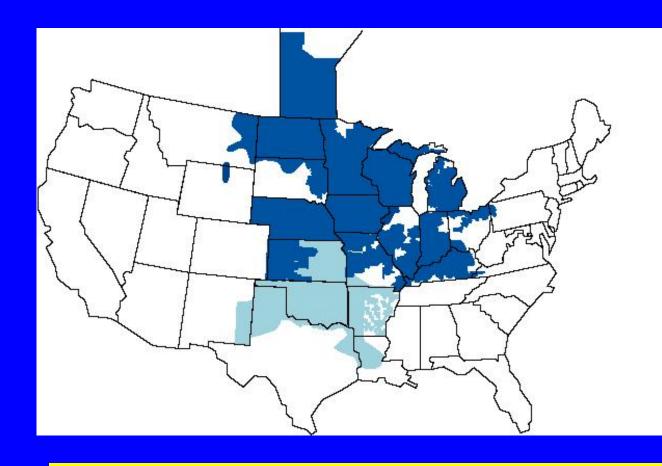
System Reliability Assessment of Contingencies

Congestion Management Comprehensive Coordination

Outage Planning

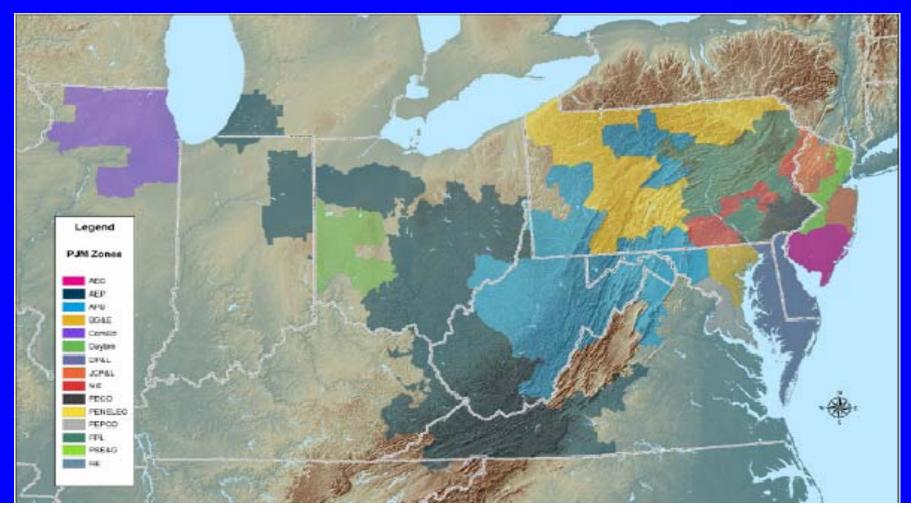
Midwest ISO Market

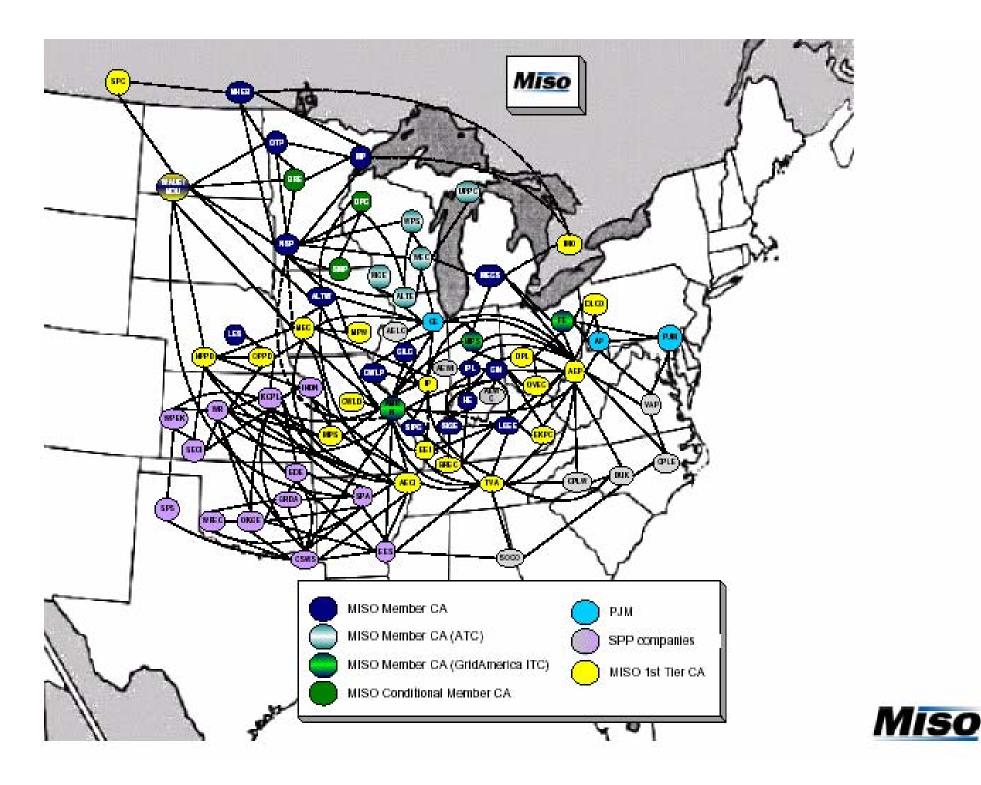




PJM Market







Operations Changes

- All resources within the footprint evaluated as a pool of resources
- Resources provide offers, loads provide bids as often as hourly
- Operating own Generation to meet own Load continues and is communicated to MISO
- Some resource commitment and resource dispatch activities move from Control Areas to MISO
- Some commitment and dispatch activity information forwarded to MISO
- MISO provides selection and dispatch information to Control Areas and generators

200 MW @ \$51.00
100 MW @ \$50.00
100 MW @ \$50.00
899 MW @ \$45.00
100 MW @ \$30.00
10 MW @ \$22.00
100 MW @ \$20.00

Unit Base Load



- MISO Planning Activities
- MP Planning Activities

- FTRs
- Supply and Demand
- Demand Bids and Supply Offers
- Virtual Bids and Offers
- Physical/ Financial Bilateral Transactions
- Market Results

- Timeline
- Metering
- Settlement Statements
- Settlement Calculations
- Settlement Disputes

