

Transmission Service



Joint and Common Market

**Carmel, IN
August 25, 2005**



Transmission Service: Agenda

- ▶ Overview of options
- ▶ Stakeholder objectives
- ▶ Options supporting objectives

Overview of Options: Application

▶ Look and Feel

- Current MISO and PJM OASIS nodes remain.
- The navigation and appearance of the applications are similar to reduce the learning curve for use of two nodes.
- Current nodes remain.

▶ Linked OASIS Node

- Current nodes remain
- Submit PJM and Midwest ISO reservations on either node

Overview of Options: Application

- ▶ **1 Node, 2 Providers**
 - MISO and PJM on separate areas of the same application.
 - Provides single login and similar look and feel.

- ▶ **Virtual Provider (Common OASIS)**
 - MISO and PJM on one application
 - 1 reservation (instead of 2 partial paths)

- ▶ **Common OASIS Portal**
 - Portal application allows customers to use one front end to access individual MISO and PJM nodes in one step.
 - Linked reservations appear as one reservation through portal

Overview of Options: Process

▶ Common Long-term Firm Queue

- Current setup
 - MISO and PJM participate in studies as needed.
 - Individual RTO approval
- Enhance coordination
 - MISO and PJM coordinate cross border studies.
 - Individual RTO approval
- Joint approval
 - Midwest ISO and PJM jointly study “matched” partial paths and provide single response
 - Applies to MISO-PJM cross border requests
 - Applies to new requests as of specified date
 - Eliminates long-term partial path requests

Overview of Options: Process

▶ Partial Paths

- Inconsistent timing and results of long-term firm studies result in “useless” partial paths
- Common Long-term Firm Queue addresses partial paths for long-term firm service (yearly)
- Common OASIS addresses partial paths for short-term firm service (Firm daily through monthly)

Stakeholder Objectives

- ▶ Eliminate current partial path issues
 - Different timing and results of long-term firm studies result in “useless” partial paths
- ▶ Eliminate the overhead of two applications
 - Customers must learn/train on two systems
 - Must enter 2 reservations entered for one path.
 - overhead (work)
 - Risk of error (entering same data on 2 systems)
- ▶ Converge Business Practices

Options Supporting Objectives

- **Virtual Provider**
 - One OASIS system, one reservation, joint study, joint approval
 - **Potential Benefits**
 - **Training:** only required for one system (reduce future stakeholder FTE hours)
 - **One request:** enter one request, not two (reduce stakeholder FTE hours)
 - **Maintenance:** RTOs share cost to maintain one system (reduce ongoing RTO system costs)*
 - **Converge business practices**
 - **Continued benefits from short term:** joint study approval

*assume cost to maintain overall joint system does not reduce headcount in each RTO

Options Supporting Objectives

- **Common OASIS Portal**
 - Common interface to OASIS systems, joint study, joint approval
 - Potential Benefits
 - **Training:** only required for the common portal (reduce future stakeholder FTE hours)
 - **Request once:** enter request one time, not twice (reduce stakeholder FTE hours)
 - **Maintenance:** RTOs share cost to maintain one system (reduce ongoing RTO system costs)*
 - **Converge business practices**
 - **Continued benefits from short term:** joint study approval

*assume cost to maintain overall joint system does not reduce headcount in each RTO

Options Supporting Objectives

- **Joint Approval (Common Long-term Firm Queue)**
 - Midwest ISO and PJM jointly study “matched” partial paths and provide single response
 - Potential Benefits
 - **Complete Paths:** consistent results and timing eliminate potential to be stuck with “useless” partial path
 - Added benefits with Common Portal
 - **Short term approval:** continued benefits of joint review & approval
 - **Request once:** enter request one time, not twice (reduce stakeholder FTE hours)

*assume cost to maintain overall joint system does not reduce headcount in each RTO

Options Supporting Objectives

Obstacles

▶ Common OASIS

- Business practice alignment
 - Timing requirements, offering types, posting AFC or ATC, willing to pay congestion, hourly with no reservation, multi-period service, spot import service, source/sink usage and POR/POD usage
- Service agreements with third parties
- Legacy systems and links to backend systems
- Agreement changes
- Implementation costs

▶ Common Long-term Firm Queue

- Agreement changes

Options Supporting Objectives: Summary

	Cost		Potential Benefit		
	Ongoing (Incremental \$/year)	Implement	\$/ transaction	\$/ year	Intangible
Short Term: Joint Approval	PJM and MISO add 1 FTE each	\$100 to 200k	\$300 - \$400 per “joint” request	Varies by customer – may be significant	Contract management: consistent results / partial path resolution
Short Term: Virtual Provider	Reduced RTO costs \$1M (one system to host)	\$4M to \$5M	Unchanged	Varies by customer – may be significant	TSR request time cut in half; training & system costs reduced;
Short Term: Common OASIS Portal	\$500k increase for OASIS portal maintenance	\$8M	Unchanged	Varies by customer – may be significant	converge business practices