

# ***JCM Initiatives Update***



## **Joint Stakeholder Meeting June 6, 2008**

**(report revised as of June 4, 2008)**

# Joint and Common Market Initiatives



Commercial	1	FTR Market Convergence	Alignment of FTR Timelines and Products (Note: All MISO cost)	\$600,000 \$3,008,657			Cross Border FTRs in the allocations	\$4,000,000 Analyzing
							Cross border FTRs in auctions	\$8,000,000 \$4,374,524
	2	Price Rationalization and Convergence at the Border			PJM implementation of marginal losses	\$600,000 N/A		
					Alternative Border Pricing Point Calculation	\$200,000 N/A		
	3	Reduce Hurdle Rate	Alignment of PJM Operating Reserves and MISO Revenue Sufficiency Guarantee (Note: All MISO cost)	\$600,000 \$3,764,432	Depancaking of PTP ancillary services (Control Area Services, T.O. Control Center Services, Reactive, Black Start)	\$400,000 (\$2,505,757)		
	4	Broader Price Transparency and Common Reporting	Existing MISO & PJM Websites Linking of sites Data Available at Both Sites (LMPs, Tie Flows, Loads)	\$500,000 \$1,952,165	Standard Data Exchange (Web Services) LMPs, Contingencies, Loads, Dispatch Signals, Outages, Emergency Event/Notifications	\$3,000,000 \$2,547,477	Implementation of single MISO & PJM Website (Individual Websites go away)	\$750,000 N/A
			Common Search Capabilities	\$200,000 \$1,125,000			Standard Data Visualization and Reporting Portal Create a single MISO & PJM Data and Report Portal	\$8,500,000 \$4,158,174
			Enhanced Joint Website to Host Joint meeting and Events Calendar, Joint Documents and Reports	\$600,000 \$1,125,000				
	5	Increased Market Opportunities	Moving JOUs between markets	\$100,000 \$156,851			Shared Regulation Market	\$8,000,000 Analyzing
	6	Operational Consistency	Common Long Term Transmission Queue	\$200,000 \$1,091,108	Common Time Zones (Note: All PJM cost)	\$5,000,000 N/A	Single Resource Adequacy Solution	\$8,000,000 N/A
			MISO Ramp Viewer	\$150,000 \$913,703	Central location to view both ramp viewers	\$100,000 \$1,527,405	Common Ramp Portal	\$750,000 \$2,091,108
			Alignment of OASIS Business Practices	\$500,000 \$1,365,867	Coordinated OASIS	\$1,200,000 Analyzing		
			Single OASIS	\$8,000,000 \$6,168,760	Reserve Sharing	\$8,000,000 N/A		
			Common Treatment of Dynamic Schedules/Pseudo-Ties	\$200,000 \$382,934	Market to Market Relaxation of Constraints	\$80,000 \$1,000,000		
			Investigation of Loop Flow Across the Combined Footprint	N/A Analyzing	Dynamic Dispatchable Transactions and Schedules	Analyzing Analyzing	Loop Flow Study Phase II	Analyzing Analyzing
			Market Flow Threshold Assessment	N/A Reliability	Market Flow Threshold Reported to IDC	\$300,000 Reliability	Netting in the IDC	Analyzing Analyzing
					Outage Coordination	N/A Reliability		
	7	Single Market	Year 1 - Rule Alignment & Market Portal Design	\$15,000,000 \$5,000,000	Year 2 - Initial Market Portal Implementation	\$40,000,000 \$27,000,000	Year 3-5 - Implementation of Single Market	\$50,000,000 \$34,700,000
Reliability	1	Emergency Energy Agreement	Alignment of Agreements and Practices	\$100,000 Reliability			Super Regional Reserve Sharing	Analyzing Analyzing
	2	Black Start and Restoration			Alignment of Agreements and Practices	\$500,000 \$936,000		
Plan	1	Joint Expansion Planning and Common Deliverability Studies	Joint Expansion Planning (Coordinated System Plan)	\$20,000 Reliability	Cross Border Cost Sharing of Expansions	Reliability		
	2		Common Deliverability Studies	\$100,000 Reliability				
Total	Costs 3-Year Gross Benefit		2006	\$3,770,000 \$14,885,717	2007	\$1,580,000 \$3,463,405	2008	\$750,000 \$2,091,108



# JCM Overarching Objectives

A group of initiatives that are intended to result in achievement of the following objectives have been identified in a series of stakeholder sessions:

- *Provide the highest level of inter-regional reliability.*
- *Deliver the lowest cost energy and ancillary services to load across the combined Midwest ISO and PJM regions.*
- *Plan, build and operate the combined Midwest ISO and PJM transmission facilities for maximum joint benefit across the region.*

Initiatives have been, or will be, assessed in a cost / benefit analysis and the results presented back to stakeholders for implementation decisions.

**Committed Initiatives:** PJM and Midwest ISO have committed to initiating the stakeholder processes and other tasks necessary for implementing these initiatives.

## JCM 2006 - 2008 Initiatives

### 1) Alignment of FTR Timelines and Products (Complete)

- Align Midwest ISO FTR products with PJM FTR products.
- Align Midwest ISO FTR allocation and auction timeframes with PJM FTR allocation and auction timeframes.

### 2) PJM Implementation of Marginal Losses (Complete)

- Achieve a greater level of price convergence and rationalization at the RTO border.

### 3) Alignment of Operating Reserves/Revenue Sufficiency Guarantee Products

- Allocate Operating Reserves (OR) and Revenue Sufficiency Guarantee (RSG) charges similarly to reduce the hourly volatility of these charges in the Midwest ISO market.

### 4) Website Common Search Capabilities (Complete)

- Implement one search engine that searches both the PJM and Midwest ISO public websites.

### 5) Existing Midwest ISO Price Transparency Portal and PJM eData Websites – Linking of Sites (Complete)

- Link the existing PJM eData and Midwest ISO Price Transparency Portal sites together.
- Exchange a subset of data (LMP, Instantaneous Load, Tie Flows) and make available for display and download.

### 6) Enhanced Joint Website (Complete)

- Create one new joint website that hosts PJM and Midwest ISO common information (e.g., joint meeting and event calendars, joint documents and reports).

**Committed Initiatives:** PJM and Midwest ISO have committed to initiating the stakeholder processes and other tasks necessary for implementing these initiatives.



## JCM 2006 - 2008 Initiatives (cont.)

### 7) Moving Joint Owned Units Between Markets (Complete)

- Allow selection of PJM or Midwest ISO Markets to sell output of certain Joint Owned Units.

### 8) Common Long Term Transmission Queue (Complete)

- Create a common long-term transmission queue that facilitates easier scheduling of annual, cross-border firm transmission service requests.

### 9) Midwest ISO Ramp Viewer (Complete)

- Provide the Midwest ISO Market Participants with the ability to view ramp.

### 10) Central Location to View Both Ramp Viewers (Complete)

- Develop a central location where both Midwest ISO and PJM ramp viewers can be accessed.

### 11) Alignment of OASIS Business Practices (Complete)

- Align timing requirements between PJM and the Midwest ISO associated with transmission service requests.

### 12) Common Treatment of Dynamic Schedules/Pseudo Ties (Complete)

- In general, participants desire the flexibility to allow their generating units to participate directly in the RTO of their primary interest, even if those units are not physically located in that RTO. Providing this flexibility means implementing dynamic schedules the same way in each RTO.

### 13) Market to Market Relaxation of Constraints

- Further the convergence of shadow prices (under certain conditions) calculated on Reciprocal Coordinated Flowgates.

**Committed Initiatives:** PJM and Midwest ISO have committed to initiating the stakeholder processes and other tasks necessary for implementing these initiatives.



## JCM 2006 - 2008 Initiatives (cont.)

### 14) Black Start and Restoration - Align Agreements and Practices

- Coordinate system restoration plans and jointly evaluate critical black start resources.

### 15) Emergency Energy Agreement - Alignment of Agreements and Practices (No Action)

- Former Control Area Operators of PJM and Midwest ISO had emergency energy agreements in place to facilitate the sale of energy during emergency conditions. While these agreements existed prior to RTO development, Midwest ISO and PJM may not be a legal party to the agreement. Midwest ISO and PJM would need to replace these existing agreements with emergency energy agreements between the RTOs.

### 16) Joint Expansion Planning - Coordinated System Plan (Complete)

- Regional expansion plans will include coordinated planning to incorporate evaluation of impacts on other RTO facilities and required facility upgrades.

### 17) Common Deliverability Studies (Complete)

- Generation deliverability studies will include common criteria and study to obtain results, which demonstrate if units are deliverable in both RTOs and if they are not deliverable in both RTOs what system constraints limit the deliverability.

### 18) Cross Border Cost Sharing of Expansions

- Cross-border allocation of cost sharing for reliability and for economic expansions.

### 19) Common Ramp Portal

- Develop a common portal to allow market participants to view and reserve ramp in both RTOs simultaneously.

**Further Action Needed Initiatives:** Certain initiatives have been identified as potential additional elements to the joint and common market; however, further evaluation of these initiatives is required to determine if they will be recommended for implementation.

## JCM 2006 - 2008 Initiatives (cont.)

### 1) Alternative Border Pricing Cost-Benefit Analysis (No Action)

- Perform an analysis to determine whether alternate methods for calculating RTO Interface Pricing Points would more effectively indicate the impact of RTO to RTO transactions on transmission constraints impacting both RTOs.

### 2) Common Time Zones – PJM Move to EST (No Action)

- Perform a cost-benefit analysis to determine the benefits Midwest ISO and PJM participants would receive from implementing the use of a common time zone across the entire footprint. Midwest ISO's systems are currently on EST. PJM currently operates on EPT. The recommendation would be to move PJM's system to EST to align with the Midwest ISO system.

### 3) Coordinated OASIS Cost-Benefit Analysis (Hold)

- Perform a cost-benefit analysis to determine the benefits Midwest ISO and PJM participants would receive from coordinating the evaluation of short term transmission service on the RTO OASIS nodes.

### 4) Single Market Production Cost Study (Complete)

- Perform a production cost study to determine the benefits to the participants of Midwest ISO and PJM becoming a single market.

### 5) Dynamic Dispatchable Transactions/Dynamic Dispatchable Schedules

- Perform a study to determine the viability of implementing dynamic dispatchable transactions or dynamic dispatchable schedules to further drive the convergence of proxy bus prices.

**Further Action Needed Initiatives:** Certain initiatives have been identified as potential additional elements to the joint and common market; however, further evaluation of these initiatives is required to determine if they will be recommended for implementation.

## JCM 2006 - 2008 Initiatives (cont.)

### 6) Market Flow Threshold Analysis (Complete)

- Develop recommendation for the ORS on reporting a change in market flow threshold reported to the IDC to be used when assigning TLR relief obligation. The outcome of this analysis generated the Market Flow Threshold Reported to the IDC Initiative.

### 7) Market Flow Threshold Reported to the IDC (Complete)

- The Midwest ISO and PJM will participate in a 12-month field test where the market flow threshold will be changed from down to zero percent to down to three percent for use by the IDC to request relief when a TLR is called.

### 8) Netting in the IDC (Hold)

- Develop recommendation for the ORS on netting in the IDC.

### 9) Investigation of Loop Flow Across the Combined Footprint Phase I (Complete)

- Analysis of loop flow impacts on the Midwest ISO and PJM Markets and Operations. The results of this initiative may create additional initiatives.

### 10) Super Regional Reserve Sharing (No Action)

- Create a Super-Regional Reserve Sharing (SRRS) arrangement consisting of existing Reserve Sharing Groups and/or Reserve Markets that would voluntarily participation in emergency energy transactions.



**Further Action Needed Initiatives:** Certain initiatives have been identified as potential additional elements to the joint and common market; however, further evaluation of these initiatives is required to determine if they will be recommended for implementation.

## JCM 2006 - 2008 Initiatives (cont.)

### 11) Cross Border FTRs in the Allocations (Hold)

- Align the process by which FTRs/ARRs are allocated in the two markets.

### 12) Shared Regulation Market (Hold)

- A larger market operated over both RTO footprints would result in more efficient procurement of the Regulation service by the RTOs. PJM and Midwest ISO to evaluate feasibility.

### 13) Outage Coordination (Complete)

- Reliability Coordinators to develop enhanced process for sharing and coordination of planned outage information.

### 14) Loop Flow Study Phase II

- Develop mechanism to identify and gain a deeper understanding of loop flows on key flowgates; which are a result of transmission tags, market flows and generation-to-load flows.

# ***JCM Committed Initiatives***

# FTR Alignment

## Milestone Summary

C	Analyze Product
C	Stakeholder Review
C	Submit Filings to FERC
C	Develop Business Rules
C	Finalize Functional Requirements
C	Design and Development
C	Build and Test
C	Update Process and Procedures
C	Customer Training
C	Cutover to Production Phase 1
C	Cutover to Production Phase 2
C	Cutover to Production Phase 3
C	Overall Status

## JCM Leads

- Midwest ISO: E. Skiba
- PJM: S. Bresler

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- This initiative has been completed.

## UPCOMING ACTIVITIES

## ISSUES & CONCERNS

# OR & RSG Alignment

## Milestone Summary

C	Analyze Product
R	Stakeholder Review
R	Develop System Requirements
R	Modify Applications
R	Conduct Testing
R	Implement Changes

**R** Overall Status

## JCM Leads

- Midwest ISO: M. Robinson
- PJM: S. Bresler

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- On April 10, 2008, Midwest ISO submitted its answer to the comments and protests filed in response to Midwest ISO's March 3, 2008, filing that submitted indicative revisions to the EMT to incorporate alternative methodology for allocating the cost of Real Time RSG payments under the Tariff. Stakeholders have filed reply comments to Midwest ISO's answer. Midwest ISO is awaiting FERC's decision.
- PJM Members Committee endorsed package of Balancing Operating Reserves credit and allocation changes at its November meeting. The package of changes will be filed with FERC and if approved, implemented in the Fall 2008.

## UPCOMING ACTIVITIES

- The RSG Task Force continues to meet monthly to review the data analysis to determine cost causation and has developed an ad hoc group for this purpose. In addition, the proposed design is being reviewed to ensure consistency with the Ancillary Services Markets.

## ISSUES & CONCERNS

- Clearly different camps in terms of causation versus predictability (unclear that we will get to common rules).

# Relaxation of Constraints

## Milestone Summary

C	Tech. Software Design Document
C	Obtain Estimates from Vendor
C	Modify Applications
Y	Conduct Testing
Y	Implement Changes

**Y** Overall Status

## JCM Leads

- Midwest ISO: T. Mallinger
- PJM: S. Bresler

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Midwest ISO is testing its software.
- Finalized functional specifications and detail design.
- PJM has received software from vendor and is currently testing the software.
- At the April 24, 2008, Markets and Reliability Committee Meeting PJM decided to move their production date to September 9, 2008, to coincide with Midwest ISO's planned implementation.
- Midwest ISO and PJM identified changes to the JOA in support of this initiative.
- Midwest ISO reviewed the Interregional Coordination Process changes at the May 6, 2008, Market Subcommittee Meeting.

## UPCOMING ACTIVITIES

- Since this project is tied to the Ancillary Services Market, the Midwest ISO, and PJM completion dates have been moved to coincide with the new September 9, 2008, launch date.
- The Midwest ISO Independent Market Monitor has recommended that relaxations be removed from all constraints. Midwest ISO to meet with PJM to discuss how this will affect Market to Market Processes.
- Filing on changes to the Interregional Coordination Process document in June 2008.

## ISSUES & CONCERNS

- None at this time.

# Common Ramp Portal

## Milestone Summary

G	Develop scope document
G	Review scope document with stakeholders
G	Develop project plan

**G** Overall Status

## JCM Leads

- Midwest ISO: J. Marshall
- PJM: C. Advena

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Conference call held May 14, 2008, with Midwest ISO and PJM to discuss the high-level design document.
- Midwest ISO and PJM agreed to high-level detail design.

## UPCOMING ACTIVITIES

- Develop detail design.

## ISSUES & CONCERNS

- Availability of IT resources could impact delivery time. Rather than impact the launch of the Midwest ISO Ancillary Services Market, this implementation of this initiative may be pushed out to early 2009.



# Black Start and Restoration

## Milestone Summary

C	Midwest ISO Technical Whitepaper
C	Determine Tariff, Regulatory, Reliability Issues
C	Obtain Midwest ISO Stakeholder Approval
C	Compare Midwest ISO & PJM Processes
Y	Midwest ISO Develop Tariff Changes
Y	Submit Regulatory Filings
Y	Modify Policies, Procedures, Applications, Systems
Y	Provide Training and Implement Changes

**Y** Overall Status

## JCM Leads

- Midwest ISO: E. Skiba
- PJM: C. Advena

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Midwest ISO addressed comments to the Tariff language presented at the April 1, 2008, Market Subcommittee Meeting. Revised language was presented at the May 6, 2008, Market Subcommittee Meeting.

## UPCOMING ACTIVITIES

- FERC filing for Midwest ISO Tariff changes.
- Technical comparison between Midwest ISO and PJM current system restoration plan.
- A temporary task team has been formed to address additional comments to the Tariff language. Revisions will be presented at the June 3, 2008, Market Subcommittee Meeting. A vote on the language is expected in the next two months.
- A conference call has been scheduled for June 4, 2008, to discuss the proposed Schedule 33 for the Blackstart Tariff.

## ISSUES & CONCERNS

- Stakeholders have not been able to come to an agreement on the Tariff language. This could impact deadlines.

# Cross Border Cost Sharing of Expansion

## Milestone Summary

C	FERC Issues Order Reliability Cost Sharing
C	Reset Milestones
C	Compliance Filing on Reliability Cost Sharing
G	Develop Proposal for Economic Cost Sharing
G	Submit Economic Cost Sharing Proposal to FERC
G	FERC Issues Order on Economic Cost Sharing

**G** Overall Status

## JCM Leads

- Midwest ISO: E. Skiba
- PJM: S. Pincus

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Midwest ISO and PJM facilitated a stakeholder meeting on May 19, 2008, to discuss the August FERC Order tariff provisions for Midwest ISO – PJM Cross border cost allocation of economic transmission expansion projects.
- RTOs and Transmission Owners identified a number of issues to be resolved before a filing on cross border cost sharing for economic expansion can be made.

## UPCOMING ACTIVITIES

- Stakeholder meeting is scheduled for June 16, 2008.
- RTOs to submit compliance filing containing a proposal to allocate cross border economic transmission project costs by August 1, 2008.

## ISSUES & CONCERNS

- Though there are a number of commonalities for cost sharing between the RTOs there are also significant issues that need to be resolved.



# ***JCM Further Analysis Initiatives***

# Loop Flow Study Phase II

## Milestone Summary

C	Define Scope
C	Finalize Scope
C	Develop Flowgate Analysis Approach
G	Conduct Analysis
G	Quantify Contributors
G	Identify Mitigating Actions
G	Present Findings to Stakeholders
G	Finalize Report
G	Overall Status

## JCM Lead

- Midwest ISO: T. Mallinger
- PJM: S. Williams

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Completed analysis on selected flowgates.
- Developed presentation of findings to be presented to stakeholders.

## UPCOMING ACTIVITIES

- Present findings at the June 6, 2008, JCM Joint Stakeholder Meeting.
- Finalize Loop Flow Study Phase II Report.

## ISSUES & CONCERNS

- None at this time.

# ***JCM Hold Initiatives***

# Dynamic Dispatch. Sched./Dispatch. Trans.

## Milestone Summary



Review Analysis with Stakeholders

Determine Next Steps



Overall Status

## JCM Leads

- Midwest ISO: T. Mallinger
- PJM: S. Bresler

## Legend



Completed

On Target – No Issues

Need to watch – Some Issues

In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- Midwest ISO and PJM have completed initial analysis on proxy bus prices. When differences occur in proxy bus prices the differences generally converged within relatively short time frames.
- Results of recent analysis on proxy bus prices were posted for the June 6, 2008, Joint Stakeholder Meeting.

## UPCOMING ACTIVITIES

- RTOs are continuing analysis of border price differentials since the PJM Marginal Losses initiative was implemented.
- RTOs are conducting preliminary analysis to determine if initiative should be taken off “hold” status.

## ISSUES & CONCERNS

- None at this time.

# Shared Regulation Market

## Milestone Summary

G	Resolve CA Consolidation Issues
G	Analyze Options Shared Reg. Mkt.
G	Perform Detail Study
G	Identify Changes Policies, Procedures, applications, etc.
G	Review Results with Stakeholders
G	Go/No Go Decision

**G** Overall Status

## JCM Lead

- Midwest ISO: T. Mallinger
- PJM: S. Bresler

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

## UPCOMING ACTIVITIES

- Analysis on this initiative is dependent on Midwest ISO opening its Ancillary Services Market and then having a period of approximately six to nine months to collect data.

## ISSUES & CONCERNS

- None at this time.

# Cross Border FTRs in the Allocations

## Milestone Summary

G	Determine allocation process changes to create alignment
G	Define business rules for resolving differences
G	Perform Detail Cost/Benefit Analysis
G	Review Results with Stakeholders
G	Go/No Go Decision

**G** Overall Status

## JCM Lead

- Midwest ISO: R. Doying
- PJM: S. Bresler

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- The 2008-2010 FTR Projects Survey results were discussed at the March 4, 2008, Midwest ISO Market Subcommittee Meeting. The Cross Border FTRs in the Allocations Project was ranked as the third priority and will not be targeted for completion in 2008.

## UPCOMING ACTIVITIES

- Commencement date for this project is to be determined.

## ISSUES & CONCERNS

- None at this time.

# Coordinated OASIS

## Milestone Summary

C	Perform Analysis
C	Stakeholder Review
G	Re-evaluate Initiative based on NAESB 890 work

**G** Overall Status

## JCM Leads

- Midwest ISO: E. Skiba
- PJM: C. Advena

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

- At the June 1, 2007, JCM Joint Stakeholder meeting it was agreed to place this initiative on hold pending definition of NAESB OASIS changes resulting from FERC Order Number 890.

## UPCOMING ACTIVITIES

- NAESB 890 work plan can be found at:  
[http://www.naesb.org/weq/weq\\_order890.asp](http://www.naesb.org/weq/weq_order890.asp)

## ISSUES & CONCERNS

- NAESB FERC Order Group 5 items which includes “NAESB will develop business practice standards to facilitate coordination across multiple transmission systems” may address this initiative. Group 5 items currently scheduled for membership ratification by end of fourth quarter 2008.



# Netting in the IDC

## Milestone Summary

G	Conduct Analysis
G	Develop Draft Recommendation
G	Review Preliminary Recommendation with ORS
G	Conduct Detail Analysis/Cost Estimates
G	Prepare Final Recommendation to ORS
G	Present Recommendation to ORS
G	ORS Action on Recommendation

**G** Overall Status

## JCM Leads

- Midwest ISO: T. Mallinger
- PJM: J. Burlew

## Legend

C	Completed
G	On Target – No Issues
Y	Need to watch – Some Issues
R	In Jeopardy – Significant Issues

## KEY ACCOMPLISHMENTS

## UPCOMING ACTIVITIES

- Work to determine if this can be included as a component under the NAESB Annual Plan Item “Prepare recommendation for future path for TLR in concert with NERC, which may include alternative congestion management procedures.”

## ISSUES & CONCERNS

- No issues at this time.



# ***Completed Initiatives***

# Completed Initiatives

## **Committed Initiatives**

- Midwest ISO Ramp Viewer
- Moving JOUs Between Markets
- Broader Price Transparency – Common Search Engine
- Broader Price Transparency – Enhanced Joint Website
- Broader Price Transparency – Link Midwest ISO PTP and PJM eData sites
- Common Long – Term Transmission Queue
- Alignment of OASIS Business Practices
- Emergency Energy Agreements – Alignment of Agreements and Practices (Decision not to proceed with initiative)
- Joint Expansion Planning (Coordinated System Plan)
- Common Deliverability Studies
- Common Treatment of Dynamic Schedules and Pseudo Ties
- PJM Marginal Losses
- Central Location to View Both Ramp Viewers
- Alignment of FTR Timelines and Products

## **Require Further Analysis**

- Production Cost Study
- Common Time Zones – PJM Move to EST (Decision not to proceed with initiative)
- Market Flow Threshold Assessment (Decision to move forward with 12-month field test)
- Super Regional Reserve Sharing (Decision not to proceed with this initiative)
- Investigation of Loop Flow Across the Combined Footprint Phase I
- Outage Coordination
- Alternative Border Pricing Point Calculation (Decision not to proceed based on Midwest ISO and PJM analysis of proxy bus prices)
- Market Flow Threshold Reported to the IDC