# Midwest ISO Update Report

# **ATC Customer Meeting**

August 25, 2005 Rick Hensley Manager – Customer Accounts



### **Overview**



#### Operations/Reliability

- Experienced record peak demand on July 25thth; 111,614 MW in the market footprint and 130,017 MW in the overall reliability coordination area
  - -New peak set August 3rd with 112,197 MW in the market footprint and 131,434 in the reliability coordination area

#### **Computer System Performance**

- Maintained very good system availability in the month of July
- Evaluating system changes to allow for faster Day-ahead case processing
- Addressed data transfer issues between Day-Ahead and Real-Time System (DART) and Settlements (Lodestar) through software enhancements and process improvements.

#### **Markets**

- Completed second FTR allocation process on July 29th
  - Overall allocations were at 92% of nominations
- Continued initiative to develop expanded Market reporting; revised reports to be provided by end of August, with additional mass data files to be provided by end of September

- Transmission Services Decreased total number of yearly transmission service requests by 13
  - Awarded contract to provide independent tariff administration and planning services for Duke Energy
    - -Services include evaluation and approval of all transmission services requests, calculation of Total and Available Transfer Capability, operation and administration of Duke OASIS, coordination of transmission planning and evaluation, processing and approval of all generation interconnection requests

### **Overview**



#### **Settlements**

- Total open dispute count increased by 586 to 2,449 since the end of June
  - -1,738 disputes have been closed and an additional 877 have been denied since the start of the market
  - -87% of open disputes are related to Revenue Sufficiency Guarantee
- Addressing data transfer issues between real-time system (DART) and settlements (Lodestar) (see System Performance)
  - The first R155 statements will be posted on September 3, 2005.
- Additional resources deployed to reduce dispute backlog

#### **Customer Relations**

- Resolved 391 issues in June, with 89 remaining at month end
- Continued focus on integration of Customer Service with Information Technology assistance

# **Market Operations Daily Overview Report**



Market Operations - Da Publish Date	-	port 🥞	We me		
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	8/10/05	8/10/05	8/10/05		
	Prior Forecast	Actual	Forecast		
Peak Hour	HE 16	HE 16	HE 16		
Minimum Hour	HE 04	HE 04	HE 04		
	8/10/05	0/4.0/05	8/10/05		
Movinet Lond (CM)		8/10/05	Forecast		
Market Load (GW)	Prior Forecast	Actual			
Peak	109.5 66.8	105.7 67.9	103.4 65.2		
viinimum	8.00	67.9	65.∠		
Midwest Market Supply for Peak Hour at Economic	8/10/05	8/10/05	8/10/05		
Maximum (GW)	Prior Forecast	Actual	Forecast		
Total Resources (excludes units bid as "Emergency")	114.3	113.4	113.4		
Outages (as entered in Outage Scheduler	(6.3)	(6.3)	(5.9)		
Intermittent Capacity (Wind and Hydro)	(3.9)	(3.9)	(3.9)		
Unavailable (units bid as "Unavailable")	(6.4)	(7.2)	(7.2)		
Net Resources	97.7	96.0	96.4		
Committed Resources	97.4	97.1	91.6		
Plus Net Imports	7.1	7.8	6.7		
Adjusted Committed Resources	104.5	104.9	98.3		
Emergency Only Resources	0.0	0.3	0.0		
Balancing Authority Operating Reserves	5.8	6.2	6.2		
	8/10/05	8/10/05	8/11/05		
Financial Summary	Actual	Actual	Forecast		
Day-Ahead Market					
Dollars Cleared	\$ 151,859,527		\$ 134,891,372		
Energy Cleared (GWh)	2,012.0		1,918.2		
Peak Demand Cleared (GW)	107.6		103.1		
Real-Time Market					
Dollars Cleared		\$ 145,555,555			
Energy Cleared (GWh)		1,915.0			

# Balancing Authority Operating Reserves Report

Balancing Authority									
<b>Operating Reserves Report</b>									

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		Р	ublish Date: 7	7/2	6/05						
		7/25/05 Forecast - System Peak Peak Hour: HE 14			7/25/05 Actual - System Peak Peak Hour: HE 14				6/05		
								Forecast - System Peak			
								Peak Ho	ur: HE 12		
		MTLF (MW)	Reserves (MW)		Load (MW)	Reserves (MW)		MTLF (MW)	Reserves (MW)		
ALTE	Alliant Energy - East										
ALTW	Alliant Energy - West										
AMRN	Ameren										
CILC	AmerenCILCO										
CIN	Cinergy										
CONS	MECS - Consumers Energy										
CWLD	Columbia Water & Light										
CWLP	City Water, Light & Power (Springfield, IL)										
DECO	MECS - Detroit Edison										
DEVI											
FE	First Energy										
GRE	Great River Energy										
HE	Hoosier Energy Rural Electric Cooperative										
IΡ	AmerenIP										
IPL	Indianapolis Power & Light										
LGEE	LG&E Energy										
MDU	Montana-Dakota Utilities										
MGE	Madison Gas and Electric										
MP	Minnesota Power										
NIPS	Northern Indiana Public Service										
NSP	Northern States Power (Xcel Energy)										
OTP	Otter Tail Power										
SIGE	Southern Indiana Gas & Electric										
SIPC	Southern Illinois Power Cooperative										
UPPC	Upper Peninsula Power Co.										
WEC	Wisconsin Energy										
WPS	Wisconsin Public Service										
	Total Midwest Market	0.0	0.0		0.0	0.0		0.0	0.0		

Note: The Peak Hour and related data show in the Forecast -System Peak column for yesterday may differ from the the prior day's report. This will occur when the peak hour forecast is different than the actual peak hour. When this occurs, the forecast shown on the report containing the actuals is updated to provide a true forecast to actual comparison for the actual peak hour. The forecast provided is still the forecast that existed at the time the Forward Reliability Assessment Commitment process was run - just shown for a different hour.



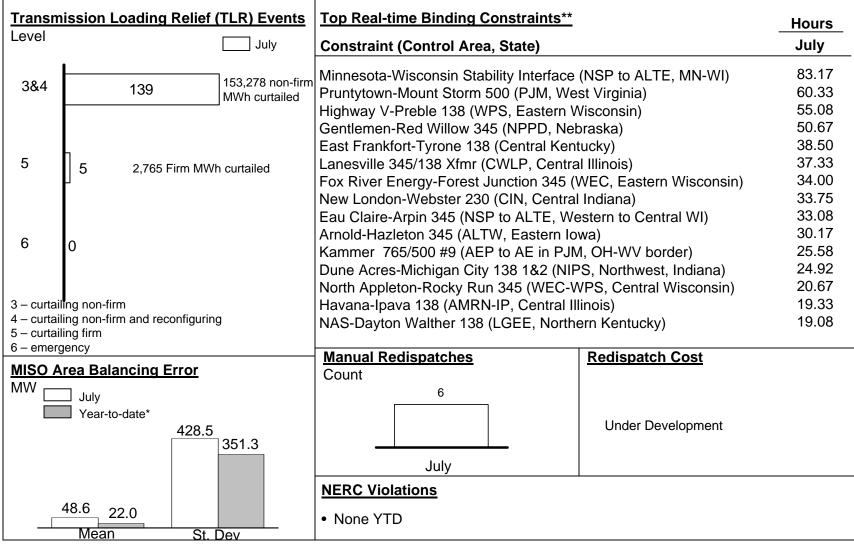
# **Day-Ahead Clearing Report**

Midwest ISO
We manage power.

					Day-A	Ahead C	learing F	Report		•			
Market Date: 7/24/05													
Peak Hour: HE 16													
	Minimum Hour: HE 04												
						ublish D	ate: 7/25/0	5					
		D 1 OI	1 (0)4(		0	01 1	(0)4()	No. ( Oak	0	D	0"1	(O)M - ( F	
		Demand Cl	eared (GW	)	Supply Cleared (GW)			Net Sch.	Generation Resources Offered (GW at Econ.			i. wax.)	
		sical Price Sen.	Virtual	Total	Dhysical	Vintual	Total	Interchange (GW)	Scheduled	Must Due	Economic	Em 0 ##	Total
Hour 01	rixea	Price Sen.	virtuai	0	Physical	Virtual	Iotai	(GVV)	Scheduled	Wiust Run	Economic	Emerg.	Iotai
Hour 02				0			0						0
Hour 03				0			0						0
Hour 04				0			0						0
Hour 05				0			0						0
Hour 06				0			0						0
Hour 07				0			0						0
Hour 08				0			0						0
Hour 09				0			0						0
Hour 10				0			0						0
Hour 11				0			0						0
Hour 12				0			0						0
Hour 13				0			0						0
Hour 14				0			0						0
Hour 15				0			0						0
Hour 16				0			0						0
Hour 17				0			0						0
Hour 18				0			0						0
Hour 19				0			0						0
Hour 20				0			0						0
Hour 21 Hour 22				0			0						0
Hour 23				0			0						0
Hour 23 Hour 24				0			0						0
				U			U						U
At Minimum Hour													
Average													
At Maximum Hour													

# **Operations/Reliability**





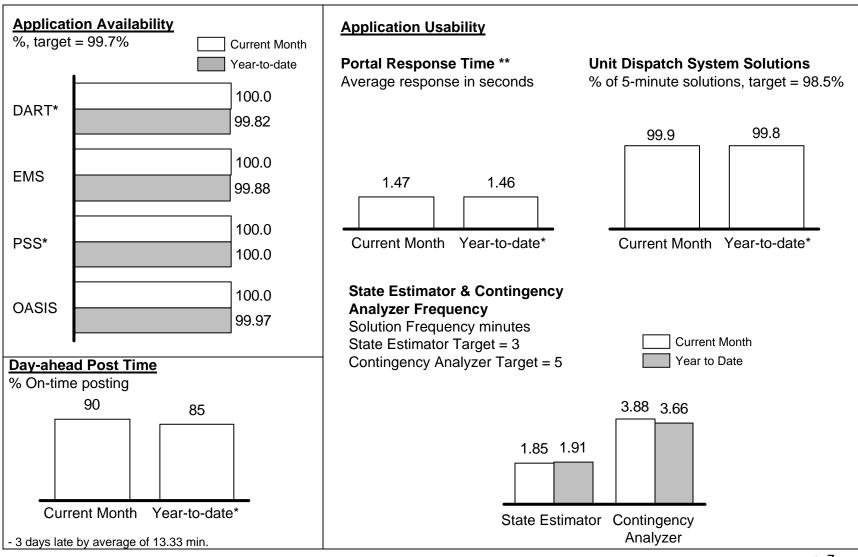
<sup>\*</sup> Apr-Dec Only

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<sup>\*\*</sup> Binding constraint is a transmission limit on the system that requires dispatch to be altered to keep flow from increasing on facility (e.g. transmission line, transformer)

# **System Performance**



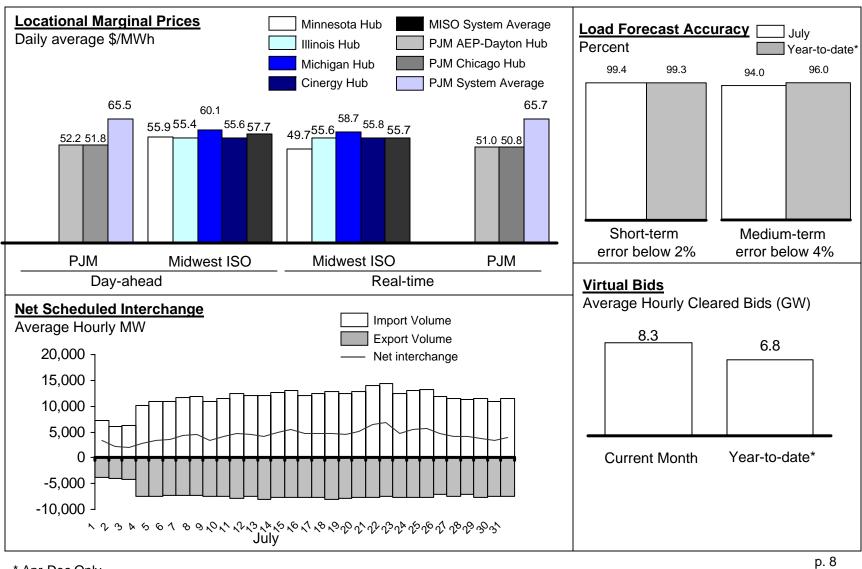


<sup>\*</sup> Apr-Dec Only

<sup>\*\*</sup> Transactions excluding highly complex transactions

### **Market**





<sup>\*</sup> Apr-Dec Only

# **Next Steps**



### **Areas of Improvement**

- Congestion Management
- System Improvements

**Market Portal** 

Physical Scheduling System (PSS)

Website

**OASIS** 

### **Areas of Development**

- Capacity Market
- Ancillary Services Market
- Joint and Common Market



## **Questions?**

#### **Client Relations**

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