



PJM-MISO  
Stakeholder  
JCM Briefing  
June 30, 2005

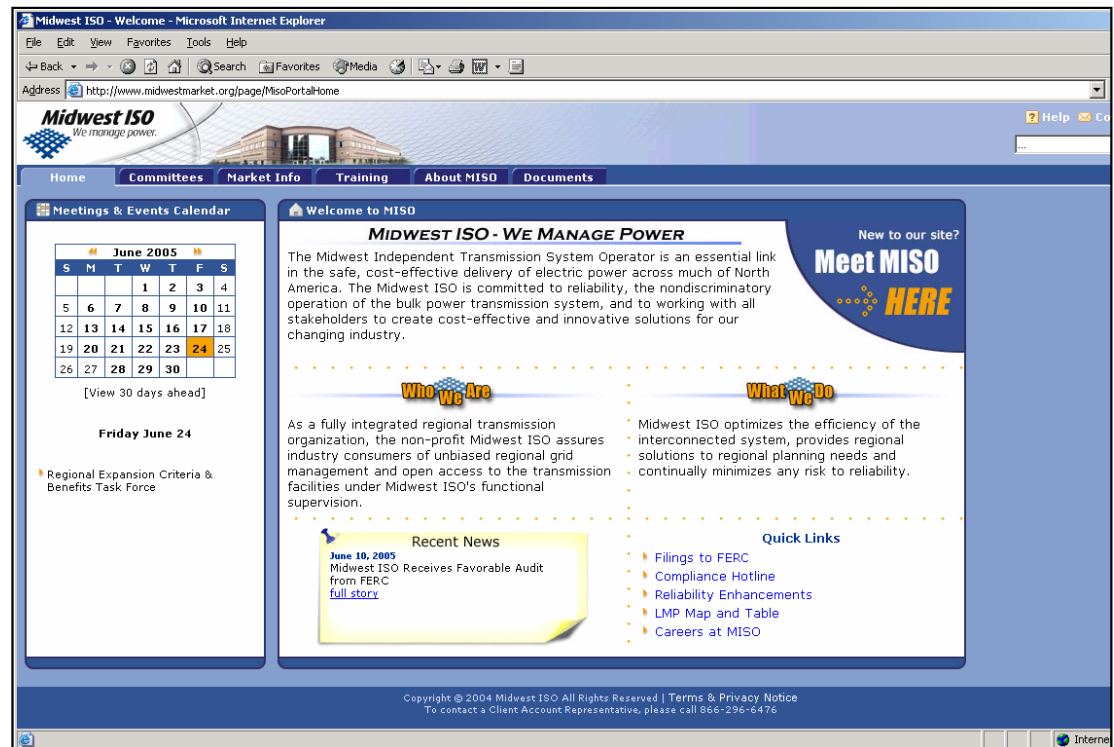


# Price Transparency Portal & eData

# MISO's Price Transparency Portal

- Located at [www.midwestmarket.org](http://www.midwestmarket.org)
- Launched February 16, 2005
- Intent is to provide open access to “public” market data that is available on the Midwest Market Portal

- LMP contour map
- Real-Time market information
- Market reports
- Settlements information
- Weather



Midwest ISO - Welcome - Microsoft Internet Explorer

Address: <http://www.midwestmarket.org/page/MisoPortalHome>

Midwest ISO We manage power.

Home Committees Market Info Training About MISO Documents

Meetings & Events Calendar

June 2005						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

[View 30 days ahead]

Friday June 24

Regional Expansion Criteria & Benefits Task Force

Welcome to MISO

**MIDWEST ISO - WE MANAGE POWER**

New to our site? **Meet MISO HERE**

The Midwest Independent Transmission System Operator is an essential link in the safe, cost-effective delivery of electric power across much of North America. The Midwest ISO is committed to reliability, the nondiscriminatory operation of the bulk power transmission system, and to working with all stakeholders to create cost-effective and innovative solutions for our changing industry.

**Who We Are**

As a fully integrated regional transmission organization, the non-profit Midwest ISO assures industry consumers of unbiased regional grid management and open access to the transmission facilities under Midwest ISO's functional supervision.

**What We Do**

- Midwest ISO optimizes the efficiency of the interconnected system, provides regional solutions to regional planning needs and continually minimizes any risk to reliability.

**Recent News**

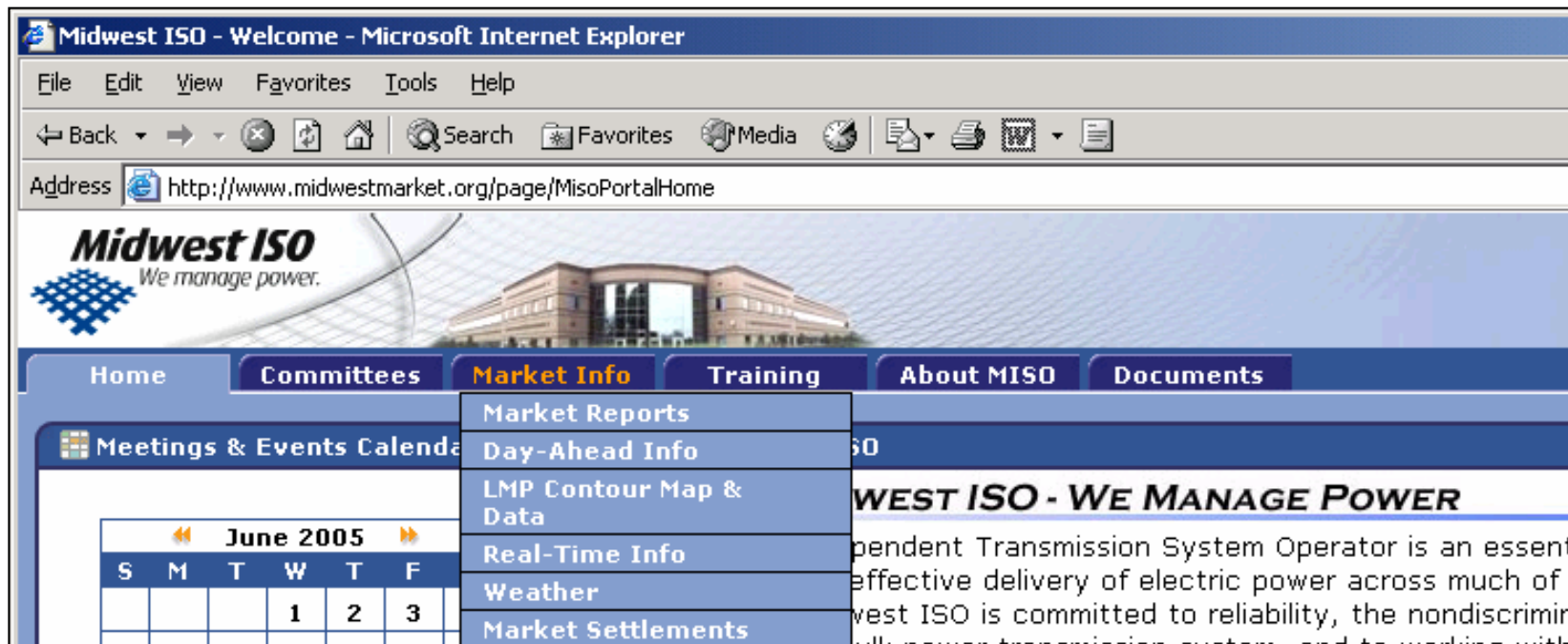
June 10, 2005  
Midwest ISO Receives Favorable Audit from FERC  
[full story](#)

**Quick Links**

- Filings to FERC
- Compliance Hotline
- Reliability Enhancements
- LMP Map and Table
- Careers at MISO

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To contact a Client Account Representative, please call 866-296-6476

- Available by selecting appropriate menu item from “Market Info” tab



Midwest ISO - Welcome - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media

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**Midwest ISO**  
We manage power.

Home **Committees** **Market Info** Training About MISO Documents

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June 2005						
S	M	T	W	T	F	S
			1	2	3	

Market Reports

Day-Ahead Info

LMP Contour Map & Data

Real-Time Info

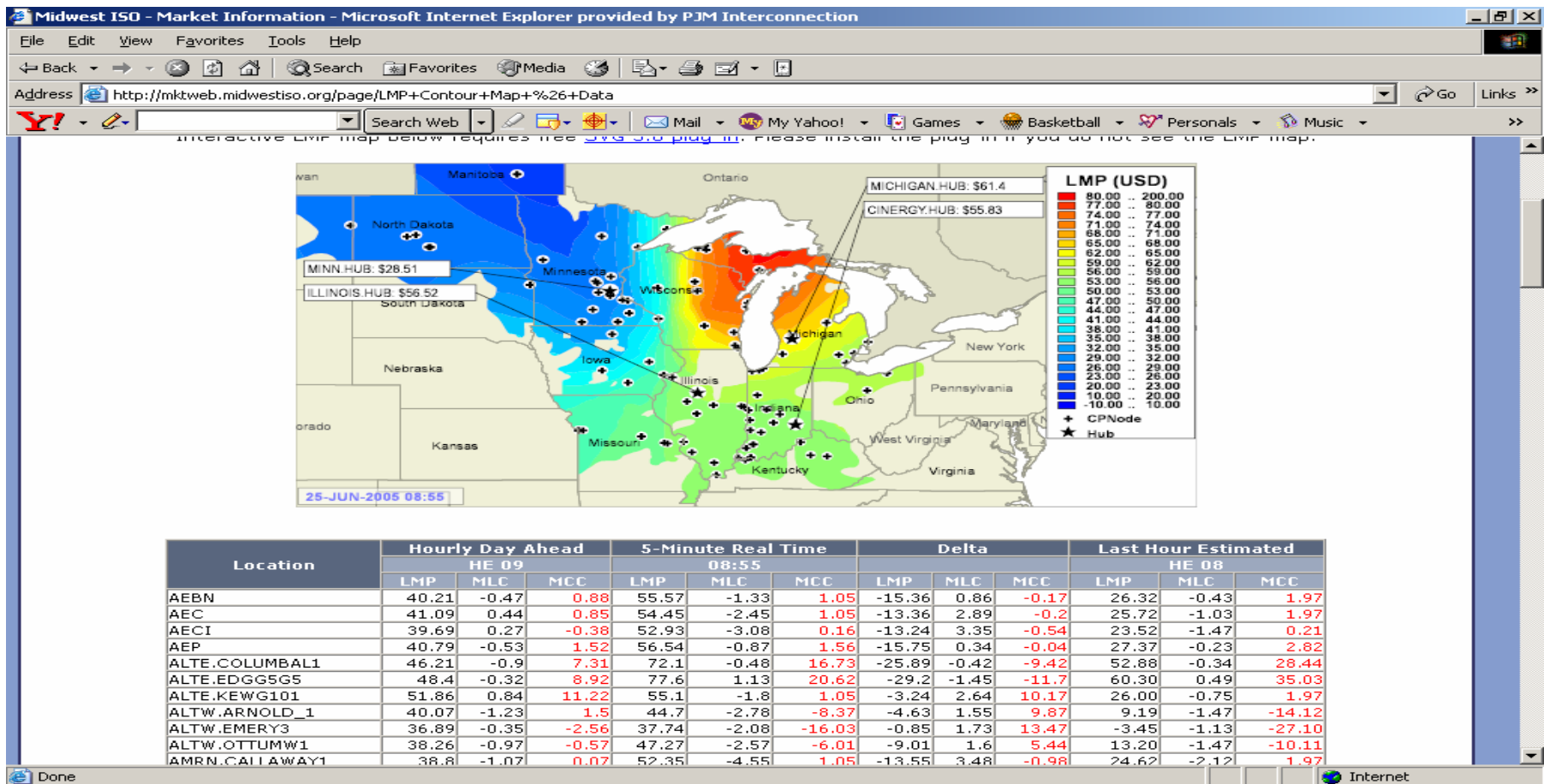
Weather

Market Settlements

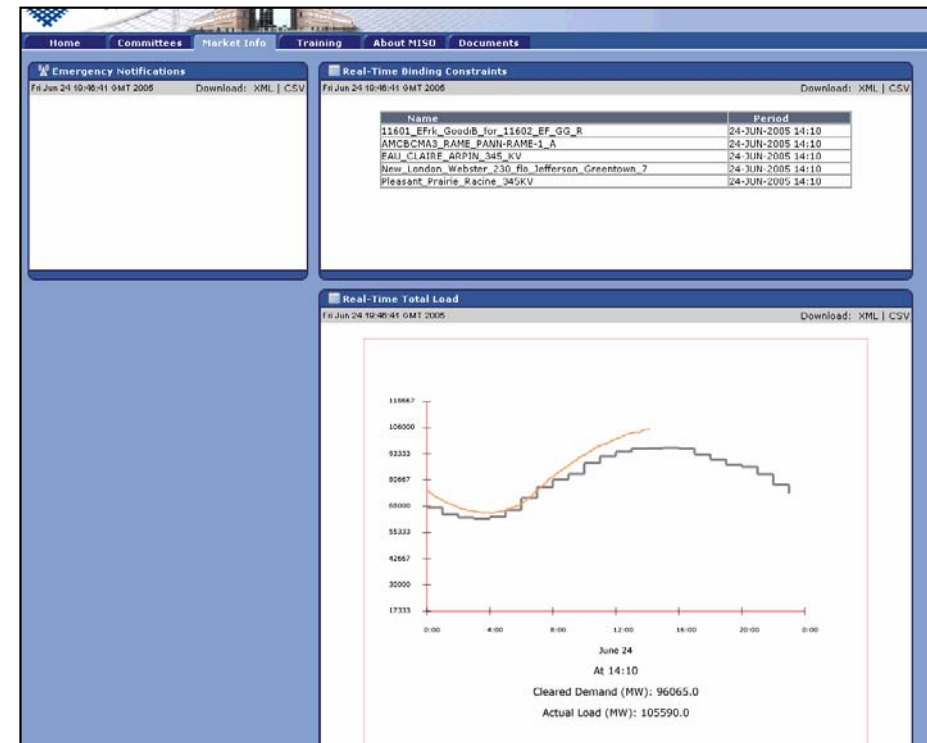
**MIDWEST ISO - WE MANAGE POWER**

pendent Transmission System Operator is an essential for the effective delivery of electric power across much of the Midwest. Midwest ISO is committed to reliability, the nondiscriminatory bulk power transmission system, and to working with

- Provides graphical depiction of select LMPs in the Midwest ISO region on a five-minute basis
  - All CPNodes available by downloading in CSV or XML format



- Provides emergency notifications, real-time binding constraints, and real-time total load
  - Real-time load is compared to Day-Ahead cleared demand
  - Real-time load is updated every five minutes
  - Emergency notifications are the same emergency notifications posted on the Market Portal
  - All downloadable in XML and CSV



- Reports available:
  - Day-Ahead
  - Real-Time
  - Real-Time and Day-Ahead Historical LMPs
  - Daily Market Operations
  - Market Overview
  - IMM



The screenshot shows the Midwest ISO website's navigation menu and a list of market reports. The navigation menu includes Home, Committees, Market Info, Training, About MISO, and Documents. The current page is 'Market Reports', indicated by a breadcrumb trail 'Top > Market Reports'. Below the breadcrumb, there are two tables. The first table lists folders for 'Day-Ahead Reports', 'Historical LMPs', 'IMM', 'Market Analysis', 'Market Overview Report', and 'Real-Time Reports', each with a corresponding 'Last Modified' date and time. The second table lists documents, including 'Capacity Analysis - RWS - 4-18-05 - Publication Version' and 'Daily Reports Summary', also with 'Last Modified' dates and times.

Name	Last Modified
Day-Ahead Reports	3/30/05 2:44 PM GMT
Historical LMPs	3/31/05 10:12 PM GMT
IMM	3/30/05 2:45 PM GMT
Market Analysis	6/14/05 8:33 PM GMT
Market Overview Report	3/31/05 3:05 PM GMT
Real-Time Reports	3/30/05 2:45 PM GMT

Name	Last Modified
Capacity Analysis - RWS - 4-18-05 - Publication Version	4/20/05 4:52 PM GMT
Daily Reports Summary	4/14/05 6:13 PM GMT

- **Market Settlements**
  - **Central area for key market settlements notifications**
  - **Market settlements and invoice calendar**
  - **Market Settlements reference documents**
    - Business Practice Manual
    - Technical Documents
    - Rates and Factors
    - Frequently Asked Questions
    - Related Task Force and Working Group documents
    - Announcement archive
  - **Day-Ahead Info**
    - Takes user directly to Day-Ahead reports
  - **Weather map**

- Expand public data
  - Report to be presented at August Advisory Committee meeting
    - Expansion to be based on stakeholder feedback, identified needs, and best practices
- Integrate [midwestiso.org](http://midwestiso.org) website to move toward “one-stop shop” for Midwest ISO websites

# PJM's eData

PJM eData Services - Microsoft Internet Explorer provided by PJM Interconnection

Provided by

**Elevated** Significant Risk

Friday June 24, 2005 - 20:55 EDT  
Current PJM RTO Load: 106,389MW

**610.372.8500**

**My eData Preferences**

- Zones Dominion
- DOM Dupes ComEd
- One Frame 12-03 Missing LMPs
- Interfaces New 1

- My eData **Constraints**
- Energy Contracts Activity Log
- eSuite Announcements
- IRC Report **Emergency Msgs**

AE (Zone)	\$78.10 \$65.08	BC (Zone)	\$82.09 \$51.29	DPL (Zone)	\$78.95 \$51.29	JC (Zone)	\$75.66 \$51.31	ME (Zone)	\$74.03 \$51.29	PE (Zone)	\$77.48 \$51.29
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RT

DA

BOTH

Scale: 2 hr

LMPs

Time: 06/24/2005

	LMP	Cur	Avg	Min	Max
PL (Zone)		51.31	48.54	41.10	51.31
COMED (Zone)		53.51	50.96	43.86	53.53
AEP (Zone)		51.31	48.54	41.11	51.31
PS (Zone)		51.31	50.01	41.10	54.28
DAYTON (Zone)		51.31	48.54	41.10	51.31
DOM (Zone)		51.29	48.50	41.08	51.29

Select: LMP Chart

Forecast Last Updated - Friday June 24, 2005 - 20:45 EDT

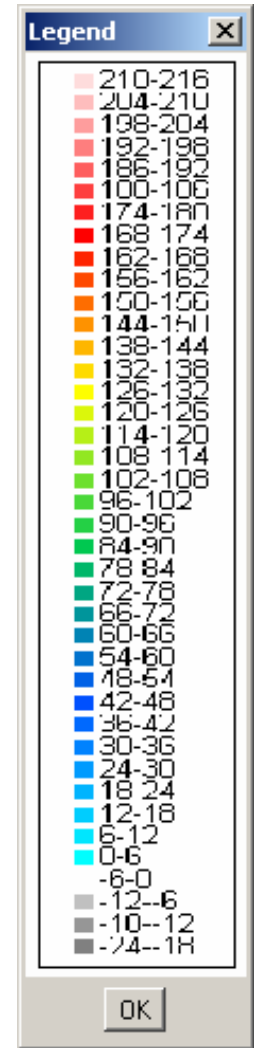
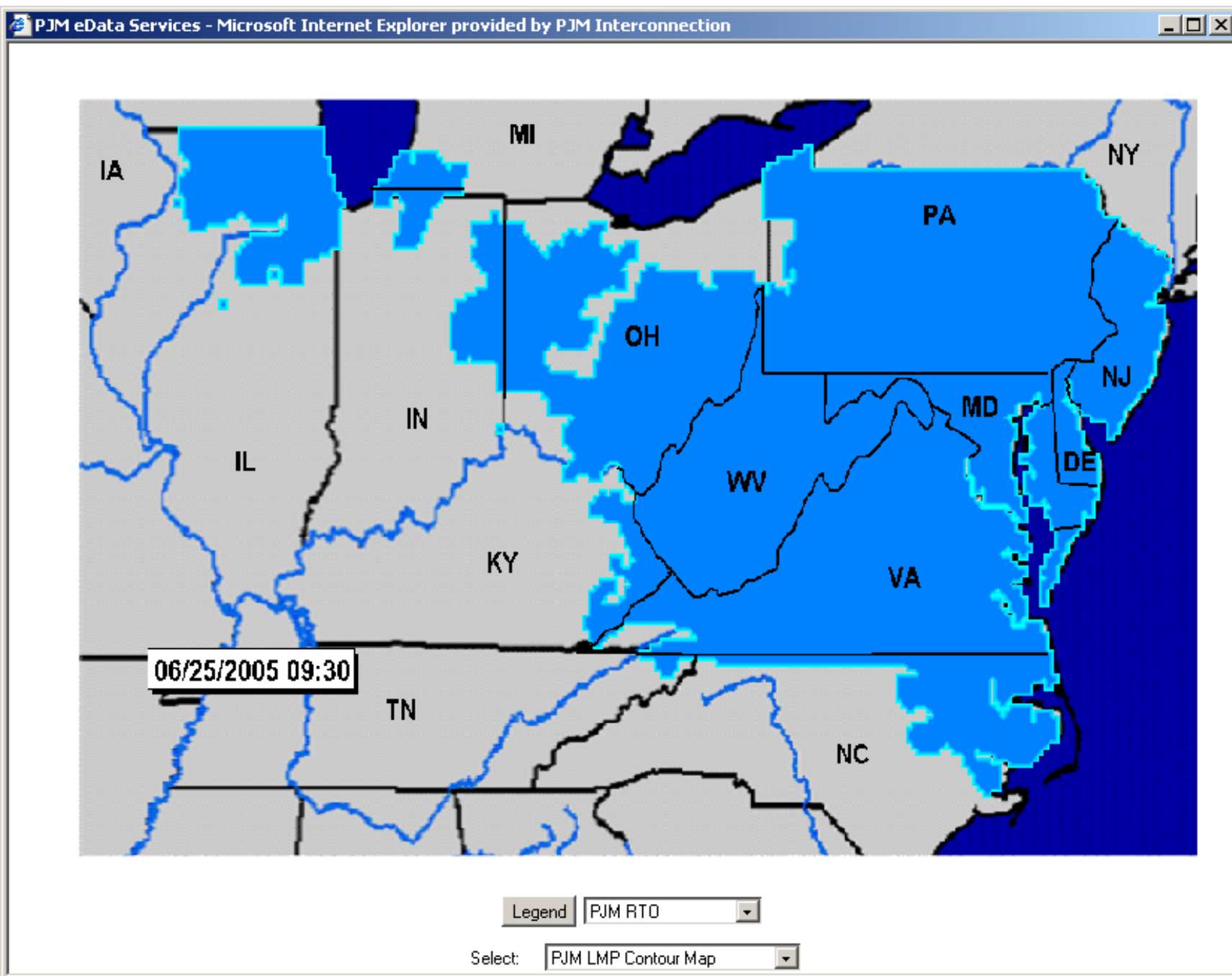
Legend: Forecasted Instantaneous Day Ahead Demand

06/23/2005  06/24/2005  06/25/2005

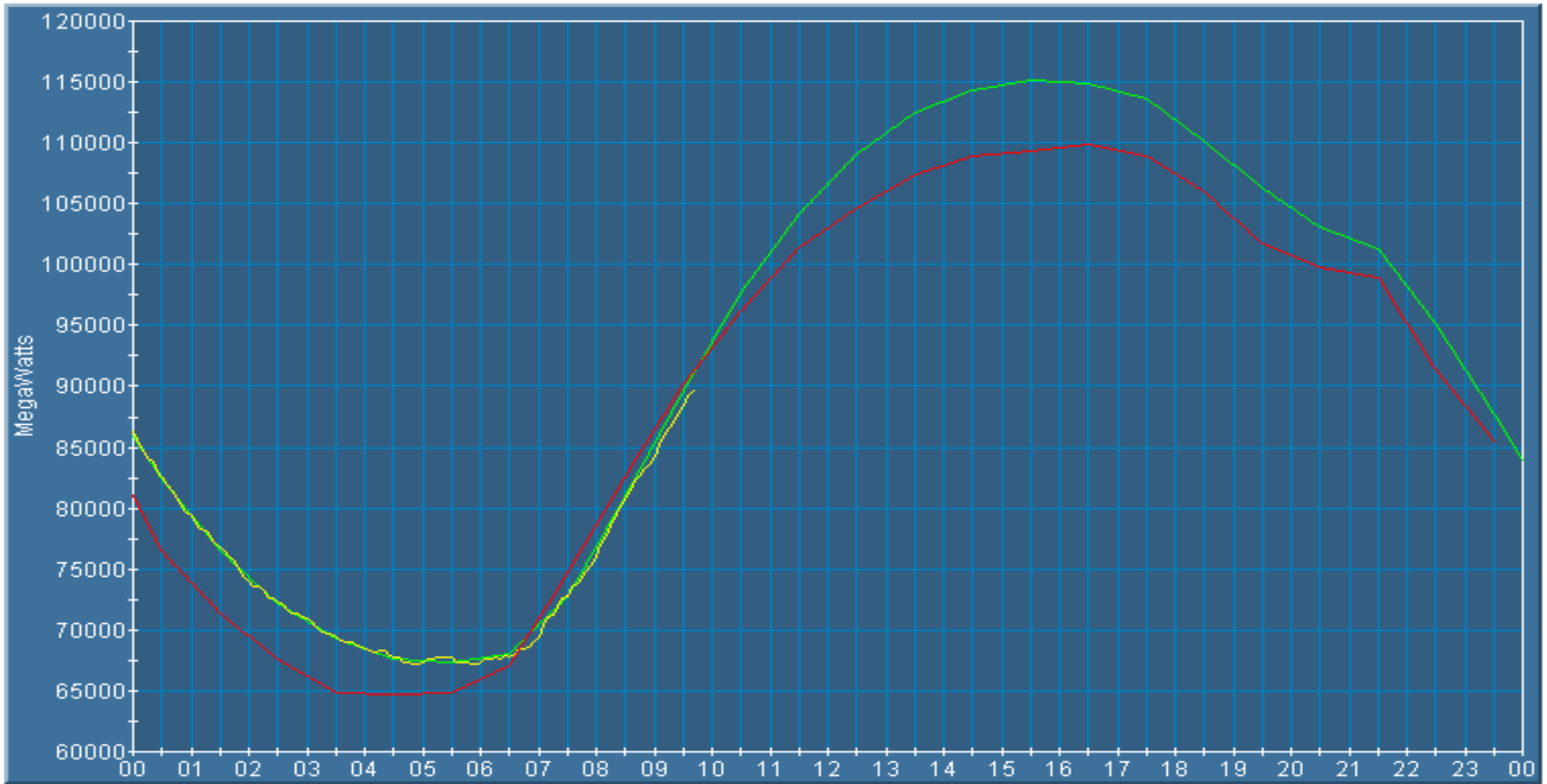
Select: PJM Loads

Legend: PJM RTO

Select: PJM LMP Contour Map



Forecast Last Updated - Saturday June 25, 2005 - 09:15 EDT



Forecasted Instantaneous Day Ahead Demand

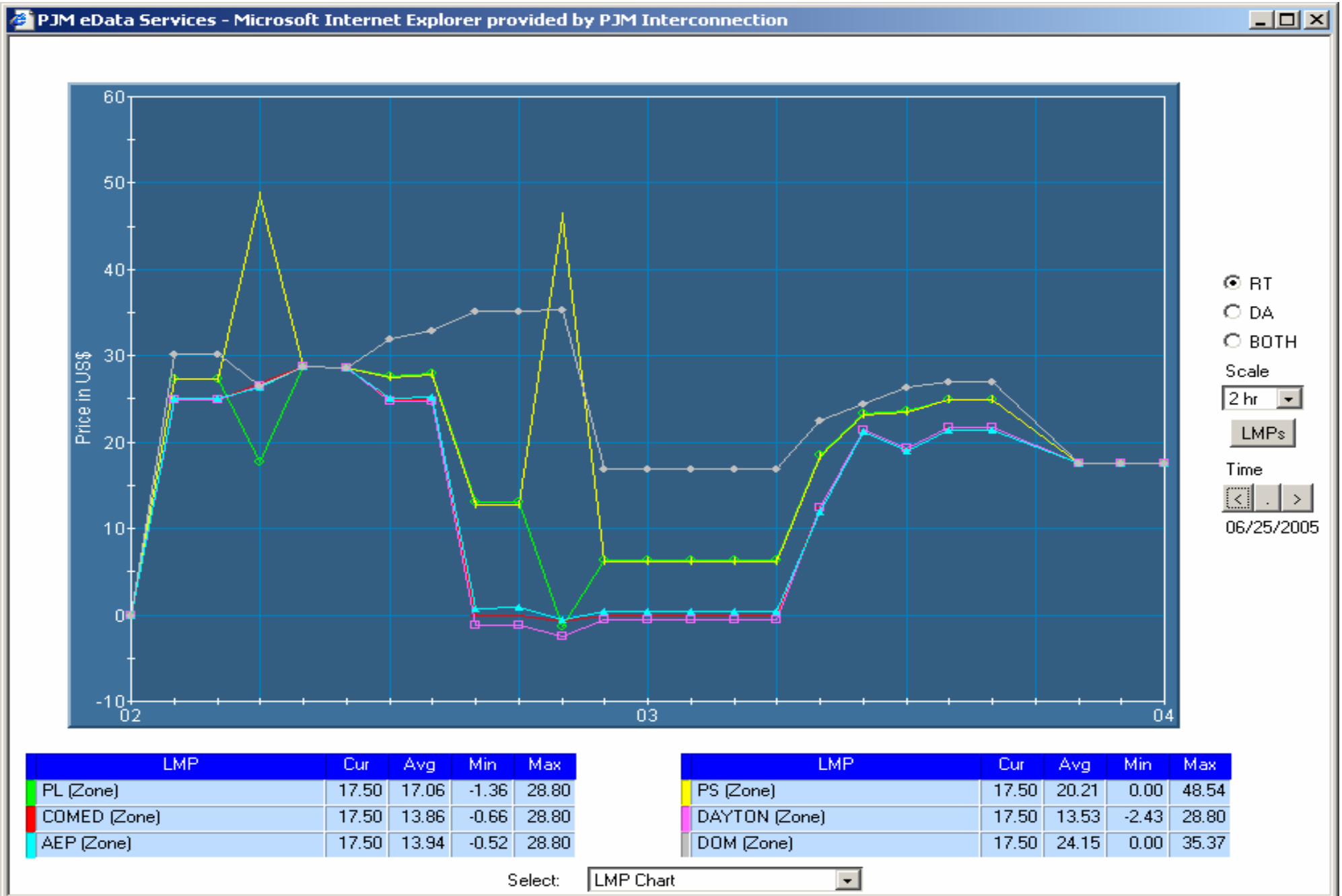
06/24/2005

06/25/2005

06/26/2005

PJM RTO Total

Select: PJM Loads



- Area Control Error
- Dispatch Rates
- Tie Flows
- Reactive Transfer Interfaces
- Weather Maps
- Temperature/THI for Major Cities

## How does eDataFeed relate to eData?

eData is a Web application that displays many data points and information types in customizable viewing panels.

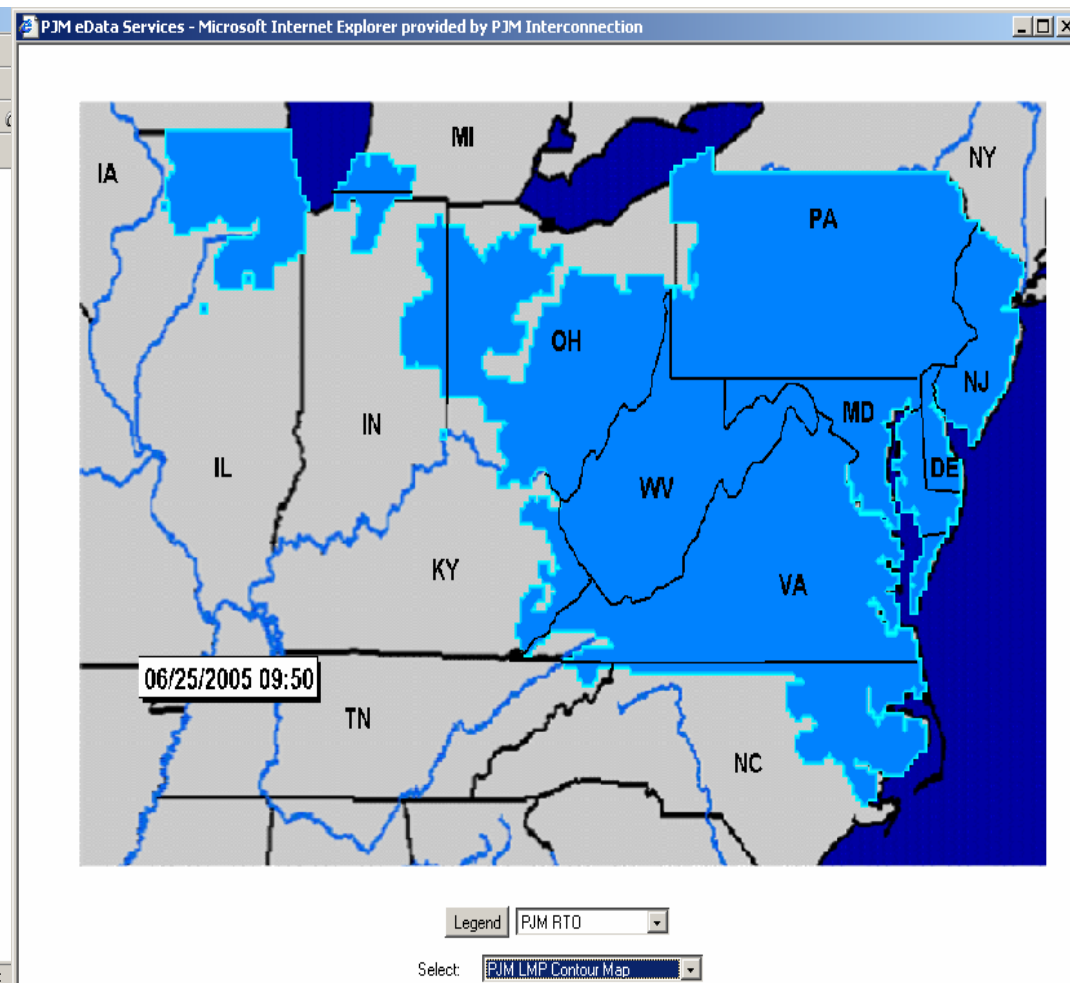
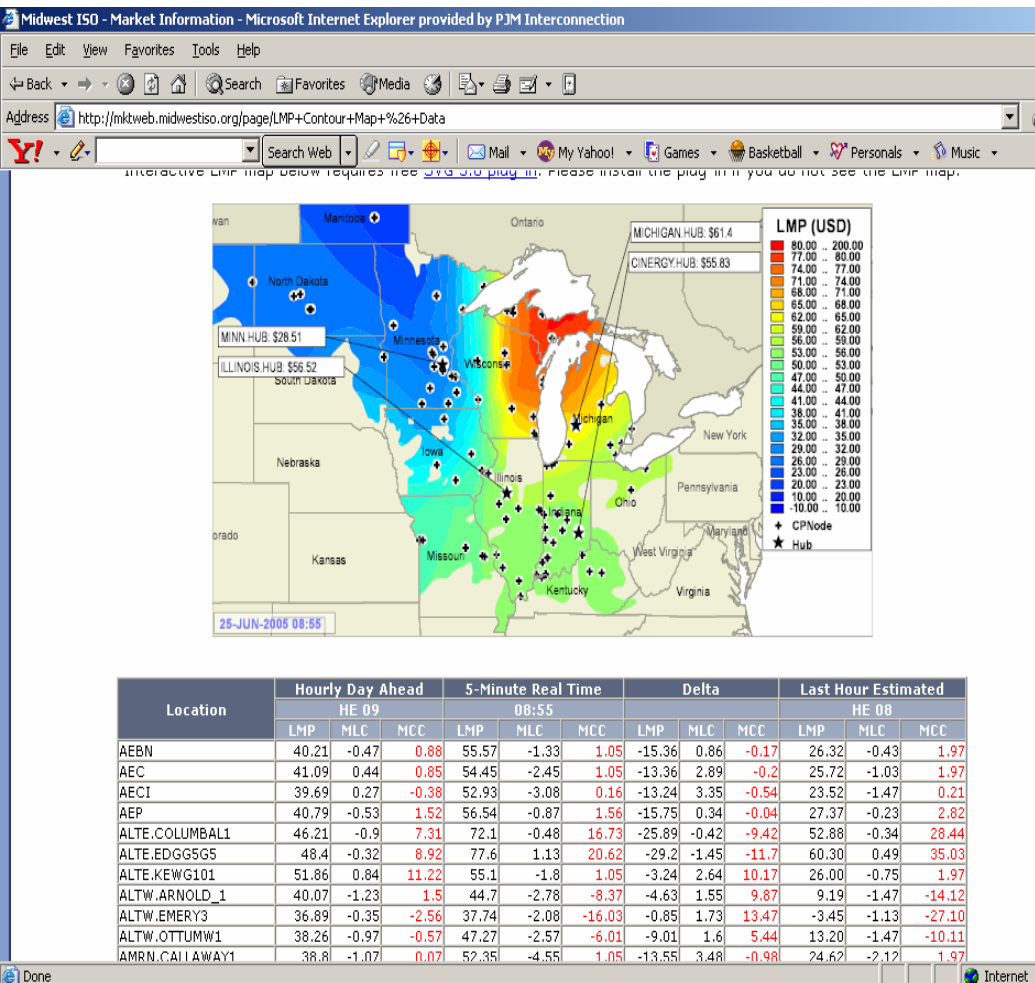
eDataFeed is an information stream and not a Web application that allows members to access and incorporate PJM data into their own proprietary systems and applications.

- eDataFeed allows members to selectively retrieve PJM real-time Locational Marginal Price (LMP) and Load information.
- eDataFeed delivers information in a format (SOAP) that enables members to capture, and feed data into decision support systems for trading and risk management.

- LMP (Zone, Bus, Generator, Aggregates, etc.)
  - Instantaneous (5-minute)
  - Hourly Integrated
  - Daily Settlement
  - Day Ahead
- Loads (Instantaneous MW)
- Tie Flows ( Actual + Scheduled MW)
- Transfer Interfaces (Actual/Warning/Max)

# Next Steps

## Potential for sharing information between PJM and MISO as well as integrating shared data into existing GUIs



- PJM and MISO develop Web Services standards for sharing public market data
  - Extend standards to NYISO, NEISO
- Data is available for display on PTP Portal and eDATA
- Data is available for programmatic downloads by all customers