## Midwest ISO & PJM Central Ramp Viewer



# Joint Stakeholder Meeting February 1, 2008





#### JCM Central Ramp Viewer: Overview

- The JCM Central Ramp Viewer displays the most recently available ramp values from both entities in a tabular format.
- ➤ The purpose of this screen is to give users a combined view of Midwest ISO and PJM ramp values that will facilitate transactions between the two entities.
- ➤ The ramp viewer is currently driven by a web-service that enables the exchange of ramp data between Midwest ISO and PJM every two minutes.

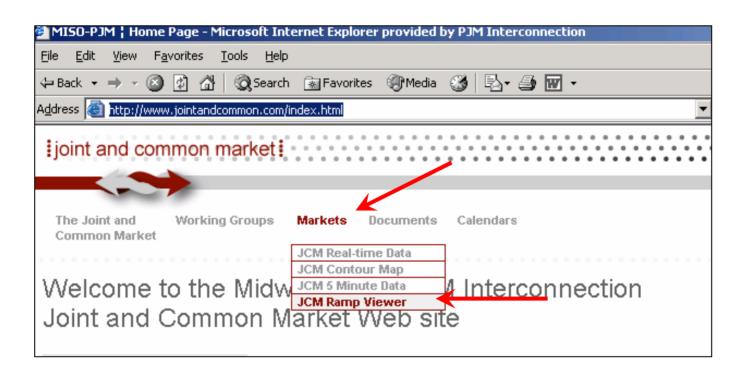




#### JCM Central Ramp Viewer: Location

Hosted on the Midwest ISO-PJM Joint and Common Market website.

URL: <a href="http://www.jointandcommon.com/">http://www.jointandcommon.com/</a>





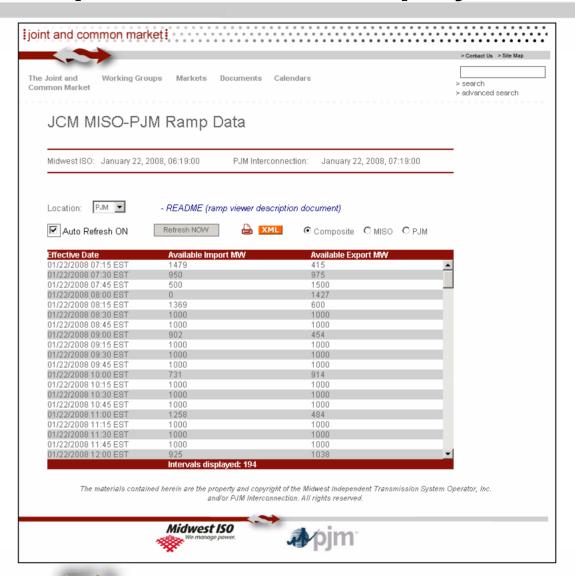


#### JCM Central Ramp Viewer: Data Display

Ramp viewer controls and documentation

Table contains the next 48hrs of Midwest ISO and PJM ramp data

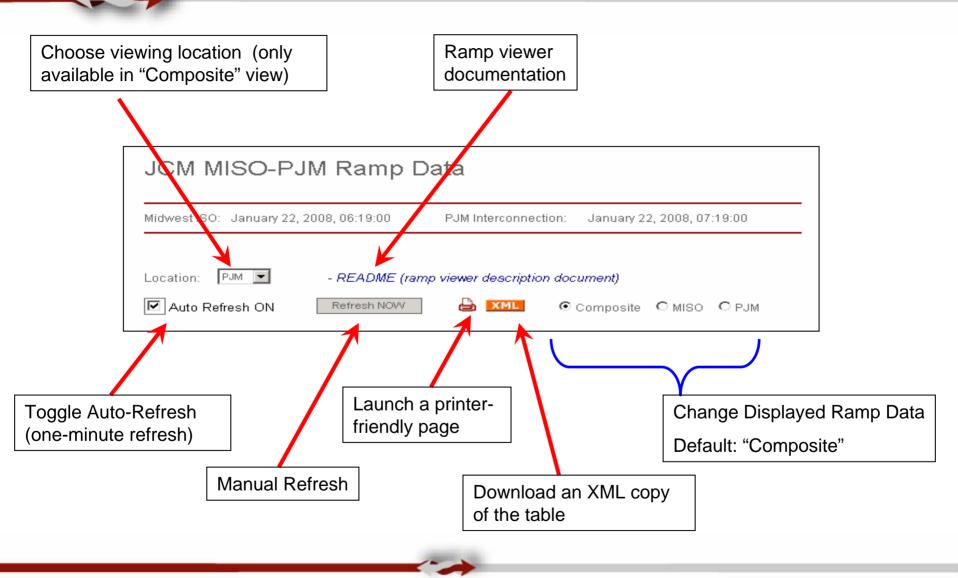
\*historical ramp data is not available







#### **JCM Central Ramp Viewer: Controls**







#### JCM Central Ramp Viewer: Displayed Data

Ramp data is displayed to users as "Available Import MW" and "Available Export MW" in order to show the feasibility of starting a new schedule.

For example, if the "Available Import MW" value is 1479 MW at 07:15, users will be able to start an import schedule less than or equal to 1479 MW at that time.

Effective Date	Available Import MW	Available Export MW	
01/22/2008 07:15 EST	1479	415	_
01/22/2008 07:30 EST	950	975	
01/22/2008 07:45 EST	500	1500	
01/22/2008 08:00 EST	0	1427	
01/22/2008 08:15 EST	1369	600	
01/22/2008 08:30 EST	1000	1000	
01/22/2008 08:45 EST	1000	1000	
01/22/2008 09:00 EST	902	454	
01/22/2008 09:15 EST	1000	1000	
01/22/2008 09:30 EST	1000	1000	
01/22/2008 09:45 EST	1000	1000	
01/22/2008 10:00 EST	731	914	
01/22/2008 10:15 EST	1000	1000	
01/22/2008 10:30 EST	1000	1000	
01/22/2008 10:45 EST	1000	1000	
01/22/2008 11:00 EST	1258	484	
01/22/2008 11:15 EST	1000	1000	
01/22/2008 11:30 EST	1000	1000	
01/22/2008 11:45 EST	1000	1000	
01/22/2008 12:00 EST	925	1038	_
	Intervals displayed: 194		





### JCM Central Ramp Viewer: "Composite" View

The default view shows "Composite" values, which is a display of the more limiting of the Midwest ISO or PJM ramp values. Displaying data from both entities as a composite requires the user to choose a "Location" (MISO or PJM) from which the data should be viewed. This is accomplished via a dropdown box labeled "Location" above the ramp viewer.

**Example: Location = MISO** 

Midwest ISO Available Import: 950 MW Midwest ISO Available Export: 1050 MW

PJM Available Import: 1097 MW PJM Available Export: 153 MW

- The Available Import MW will be displayed as 153 MW. Although Midwest ISO can import 950 MW, PJM can only export 153 MW.
- The Available Export MW will be displayed as 1050 MW. Although PJM can import 1097 MW, Midwest ISO can only export 1050 MW.

Using that same logic, choosing PJM as the location would result in: Available Import MW = 1050 MW and Available Export MW = 153.





#### **Future Plans**



- Midwest ISO-PJM JCM Central Ramp Viewer enhancements
  - > Add graphical display of ramp data
  - Projected Completion: Q1 2008
- Midwest ISO-PJM JCM Common Ramp Portal
  - ➤ Effort to enable the ability for users to reserve ramp in both Midwest ISO and PJM simultaneously
  - Projected Start: Mid-March 2008
  - Projected Completion: Q4 2008





#### **Questions?**







