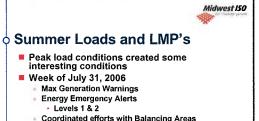


		Midwest ISO
C	Overview	
	■ MISO Updates	
	■ LGEE	
	■ Wind Generation	
	■ Gen. Interconnection Queue	
	TSR Presentation	

MISO Update: New Peak Load: Set on July 31, 2006 136,520 MW's peak load Reliability footprint 116,030 MW's Market footprint



- · Levels 1 & 2 Coordinated efforts with Balancing Areas

Week of July 31, 2006 Max Generation Warnings **Energy Emergency Alerts**

- Lights stayed on
 Resumed more normal operation latter part of week
- Post Mortem analyses of peak load events In September
 - Work with BA's to coordinate peak load operations better
 Ensure all DNR's were 'in the market'

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♦Louisville Gas and Electric

- · LGEE (E.ON.US) Withdrawal
 - # Effective Sept 1, 2006
 - Still will be a Market Participant
 - Reliability Coordination provided by TVA
 - OASIS and TSR's provided by Southwest Power Pool
 - MISO Operating Budget reduced by \$10M to reduce the impact.
 - LGEE paying \$40M to reduce impact on Capital Budget

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088a	ALC: Little Por	SECTIONS.

Wind Generation

- Market Rules
 - Intermittent Resource Status
 - · Like hydro, landfill gas, etc.
 - · Not Dispatchable
 - Day Ahead offers only
 - · Real Time price takers
 - No Uninstructed Deviation penalties
 - Dispatch instruction = previous state estimator solution (echo back)



Wind Generation

- Market Rules
- BPM for Energy Market Instruments
- BPM for Network and Commercial Models
 - 5 MW threshold minimum for network modeling
 - Multiple units totaling 5 MW's or greater at the same bus are o.k.
 - Anything less than 5 MW's is accepted on a case-by-case basis

	Midwest ISO
4	The atu Experience
	350

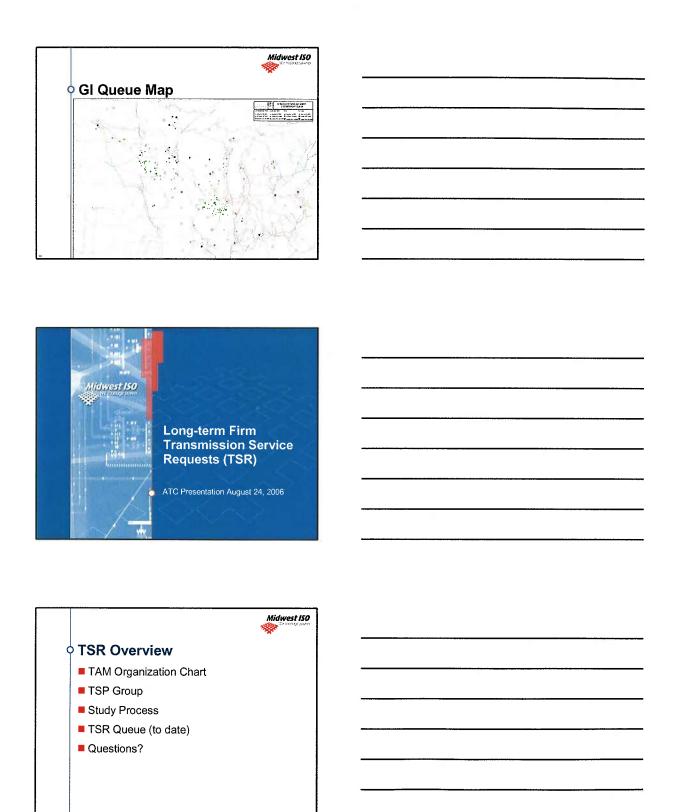
Wind Generation

- Market Rules
- For units < 5 MW's;
 - · Driven by reliability
 - Must have Real-Time telemetry
 - ICCP communications between MISO and generator
 - For distribution voltage connection must transition up to Transmission
 - CP Node must be created for settlements

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♦ Gen. Interconnection Queue

- Capacity in Queue— 21,580MW
 - ATC Footprint— 1,448MW
- Wind Generation— 10,061MW
 - ATC Wind— 405MW
- MISO Coal— 9,704MW
- GI Queue Map
 - http://www.midwestmarket.org/page/Generator+Interconnection





Study Wrap-up Specification Sheets (15 days) Memorializes any specifics around the transaction Confirmation (15 days) After MISO Accepts or Counter-Offers—the customer must confirm it This is sometimes done ahead of time by "preconfirming" the service on OASIS

