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# Demand Response and Load Control Programs

Midwest Demand Response Initiative Stakeholder Meeting  
Chicago, Illinois  
May 4, 2007

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- Predictable
- Reliable
- Verifiable
- Market Driven
  - Price Transparency
  - Appropriate Rate Design

- **Large Customers (>1MW)**
  - Hourly Day Ahead MISO Prices Posted
  - Real Time Price Available
  - Settled on Real Time Price
  - Interval Meter Required
  - Approximately 250MW of Load Participating
  
- **Residential and Small C&I**
  - Program Starting Up
  - Marketed and Administered by Community Energy Cooperative
  - [www.powersmartpricing.org](http://www.powersmartpricing.org)

- Voluntary Curtailment Rider
  - Non-Residential Participants
  - Implemented at Ameren's discretion based on Price
  - Shared Savings
  - 70 MW enrolled but less than 100% response
- Critical Peak Pricing Program
  - Residential Pilot Program
  - Day Ahead Notification By Phone or Email with Opt-Out Provision
  - Direct Control of Thermostat to Pre-elected Setting via Paging Technology
  - Sliding Scale Price based on Setting Selected

# Customer Owned Generation

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- Illinois C & I Customers have over 600MW of Installed Generation Capacity
- Missouri Customers have 140 MW operating in Parallel
  - Most are wholesale loads
- Missouri Customers also have more than 50MW of Emergency Generation which does not operate in Parallel

- August 2006, MISO Declared an Energy Emergency Alert
  
- Ameren System responded
  - Estimated 200MW of Voluntary Conservation through Public Appeals
  - 60 MW due to Voltage Reduction
  - 120 MW of Interruptible Load

- Market for Regulation, Spinning Reserve and Supplemental Reserve
- Cooptimized with the Energy Market
- Demand Resources will be allowed to participate depending on their characteristics
  - Type 1 – Interruptible Load
  - Type 2 – Behind the Meter Generation or Controllable Load

Questions?