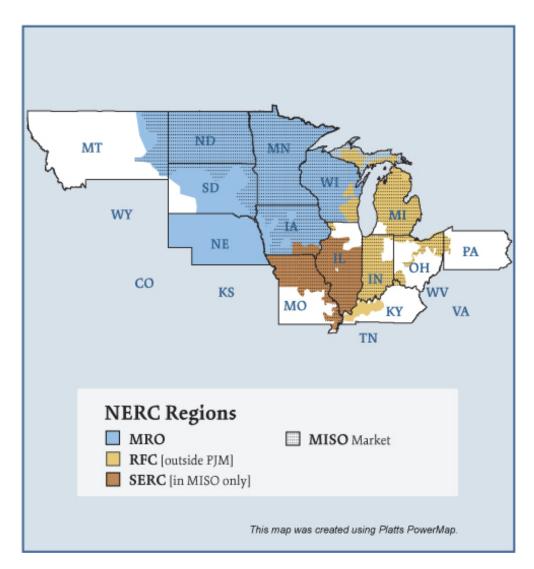
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Midwest Electric Regions



Overview

Market Description

Midwest Reliability Organization (MRO) reliability region and the portion of the SERC reliability region in MISO and the ReliabilityFirst Corporation (RFC) reliability region not in PJM.

Geography

States covered: All or most of North Dakota, South Dakota, Nebraska, Minnesota, Iowa, Wisconsin, Illinois, Indiana, Michigan and parts of Montana, Missouri, Kentucky, and Ohio.

Reliability regions: Midwest Reliability Organization (MRO), Southeastern Electric Reliability Council (SERC) and Reliability *First* Corporation (RFC)

(These regions were formerly: East Central Area Reliability Coordination Agreement (ECAR), Mid-America Interconnected Network (MAIN), and Midcontinent Area Power Pool (MAPP) regions.)

Balancing authorities: See list on page 6.

Hubs: Cinergy, First Energy, Illinois, Michigan, Minnesota

RTO/ISO

Midwest ISO (MISO) (established 2002) administers a two-settlement (day ahead and real-time) energy market known as the Day-2 market. It produces hourly locational marginal prices that are rolled up into 5 regional hub prices. MISO also administers a monthly financial transmission rights (FTR) allocation and auction.

Midwest bilateral trading is active on the IntercontinentalExchange (ICE) at the Cinergy Hub and Northern Illinois Hub.

Midwest ISO 2006 State of the Markets Report

Market Monitor: Dr. David Patton – Independent Market Monitor

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Generation/Supply (MISO only)

Marginal fuel type: Coal

Generating capacity (summer 2006): 137,232 MW

Capacity reserve (summer 2006): 21,025 MW

Reserve margin (summer 2006): 18%

Demand (MISO only)

All time peak demand: 116 GW (set July 31, 2006)

All time peak demand for MISO market footprint excluding LG&E: 110.5 GW (set July 31, 2006)

In summer of 2006, demand reached record levels on several occasions due to extremely hot weather.

Peak demand growth: 3.4% (2005-2006)

Summer Peak Demand (GW): 112.2 (2005) 116 (2006) 110.5 (2006 MISO market footprint excluding LG&E)

Source: Derived from MISO Data

Prices (MISO only)

Annual Average Day-Ahead Price at Cinergy Hub: \$50.54/MWh (2005) \$40.44/MWh (2006)

Prices increased in 2005 as a result of disturbances to the natural gas market. Prices declined in 2006 as natural gas storage levels remained above historical ranges throughout the injection season (April through October).

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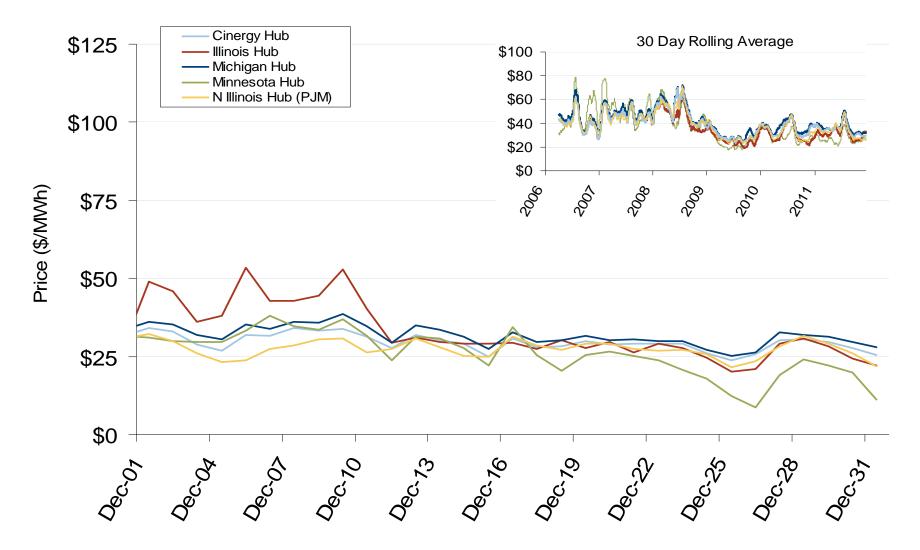
Interconnections/Seams

Since the start of the Day-2 market on April 1, 2005, persistent transmission constraints in the Wisconsin and the Upper Peninsula of Michigan (WUMS) and Minnesota areas have caused their prices to diverge from other areas of MISO, usually at times of high loads or decreased generation supply.

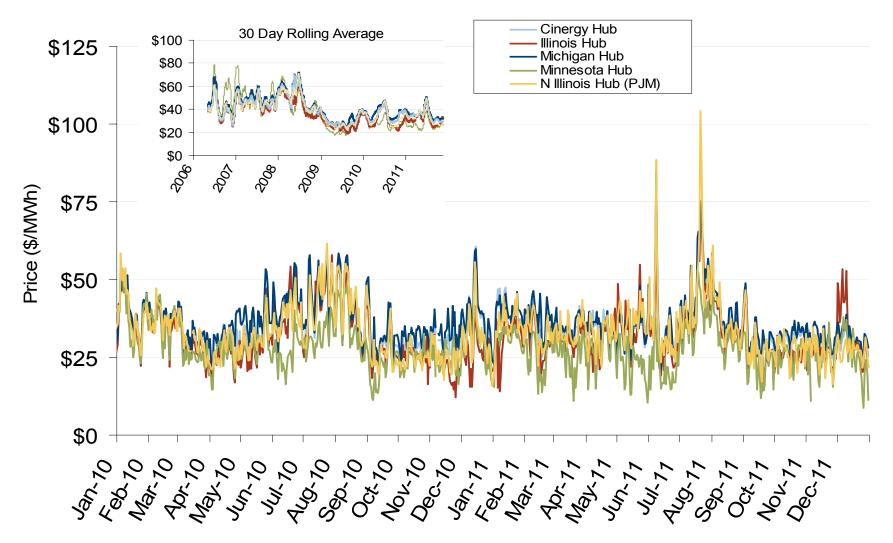
Midwest Electric Market: Last Month's RTO Prices

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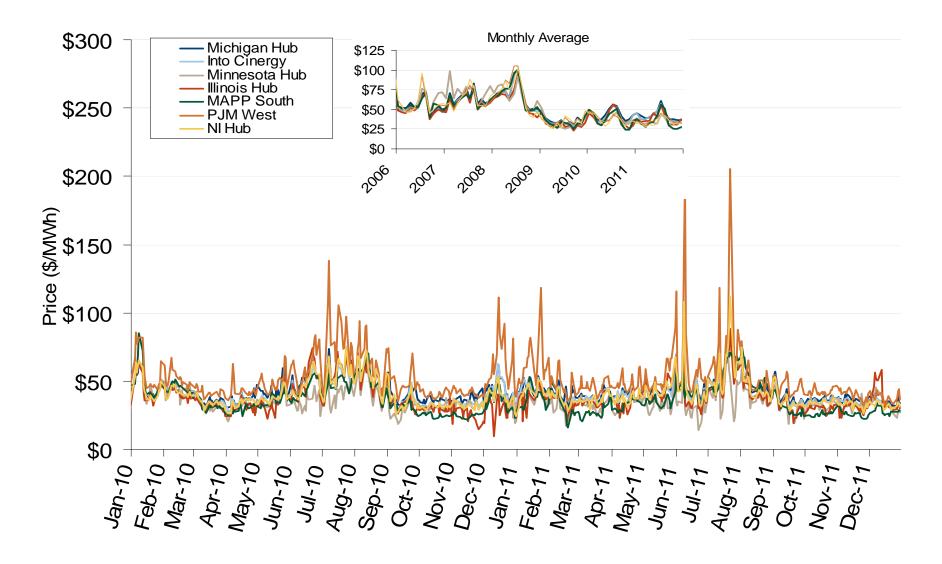
Daily Average of MISO Day-Ahead Prices - All Hours



Daily Average of MISO Day-Ahead Prices - All Hours



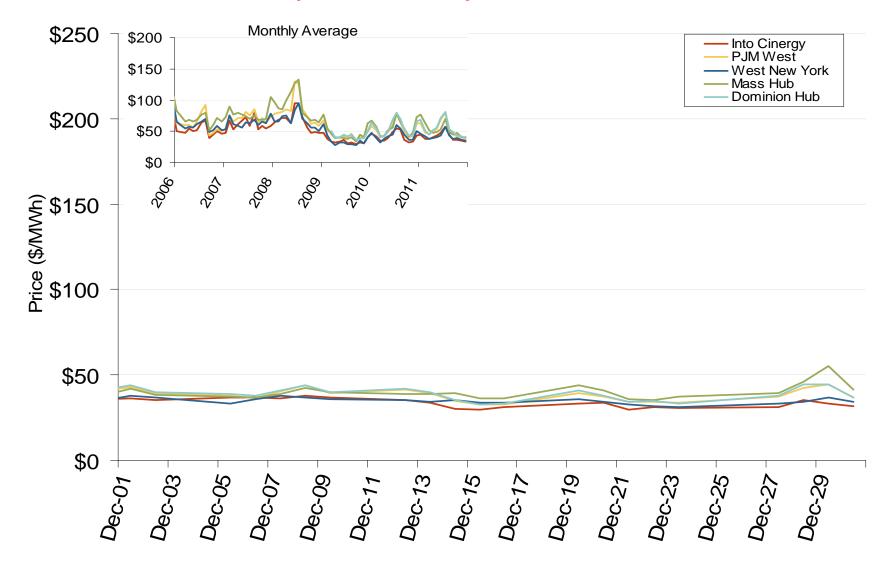
MISO/PJM Bilateral Day-Ahead On-Peak Prices



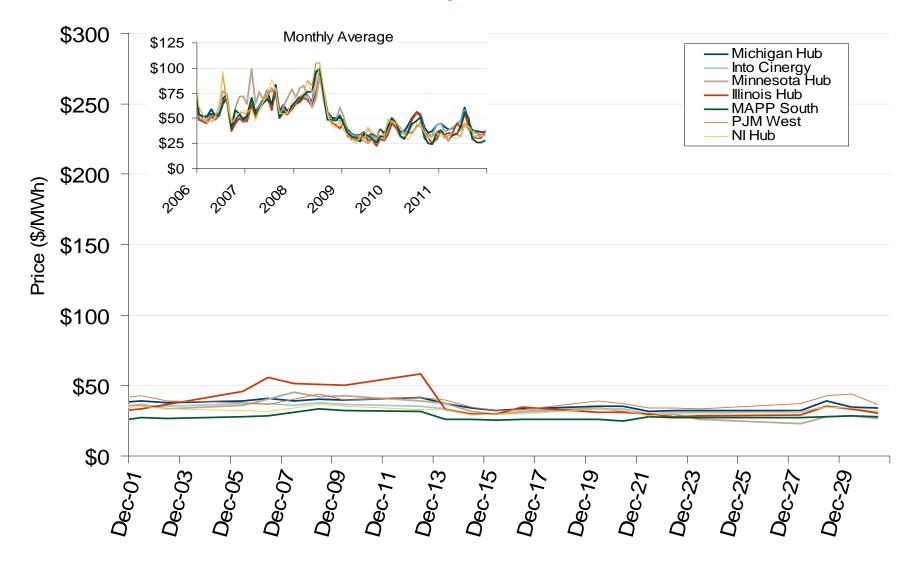
Midwest Electric Market: Last Month's Eastern Bilateral Prices

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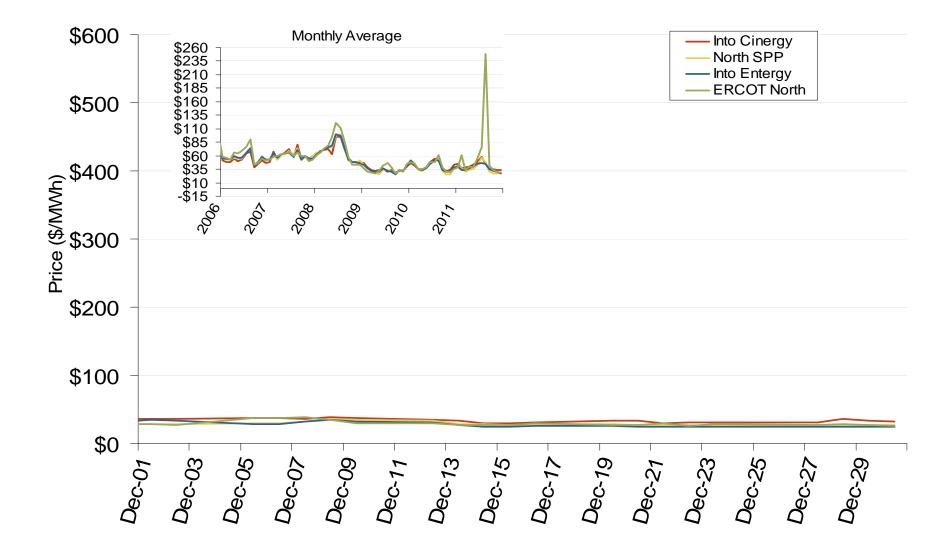
Eastern Daily Bilateral Day-Ahead On-Peak Prices



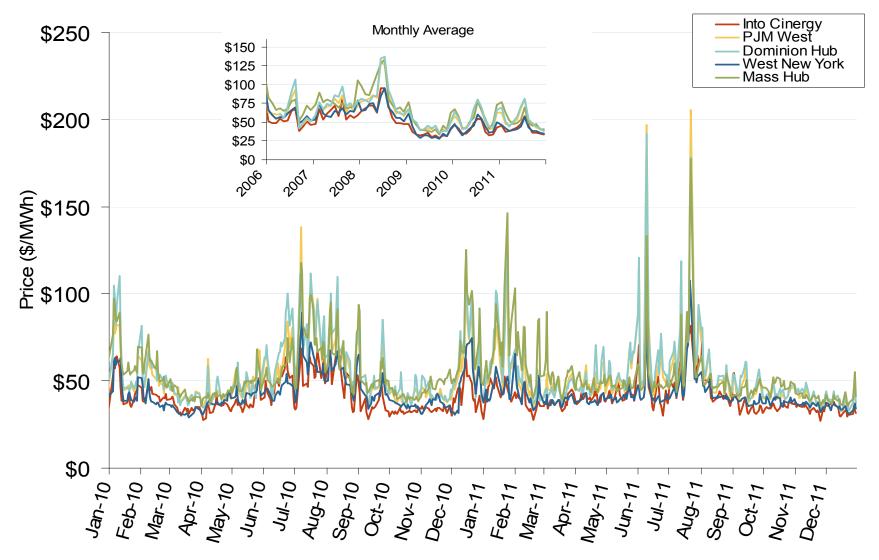
MISO/PJM Bilateral Day-Ahead On-Peak Prices



Midwestern Daily Bilateral Day-Ahead On-Peak Prices



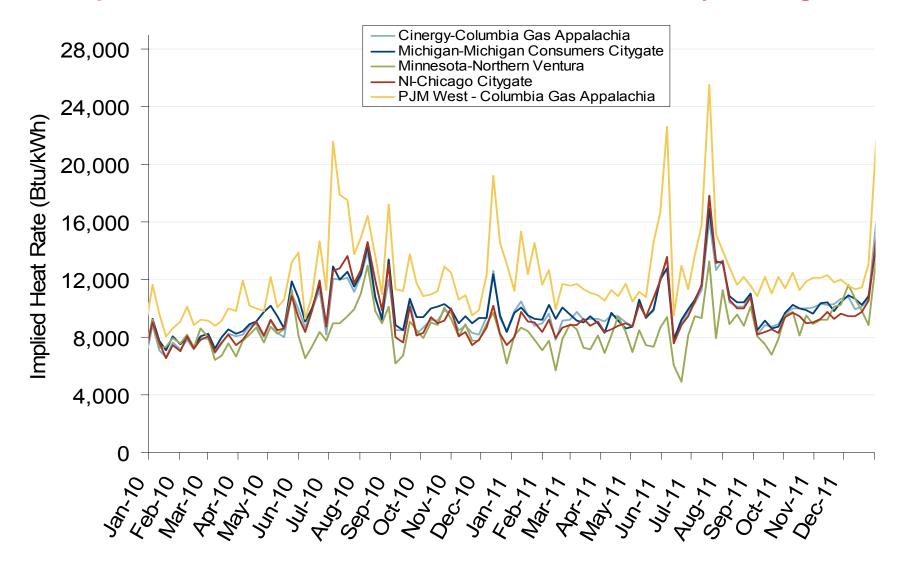
Eastern Daily Bilateral Day-Ahead On-Peak Prices



Midwest Electric Market: MISO/PJM Implied Heat Rates

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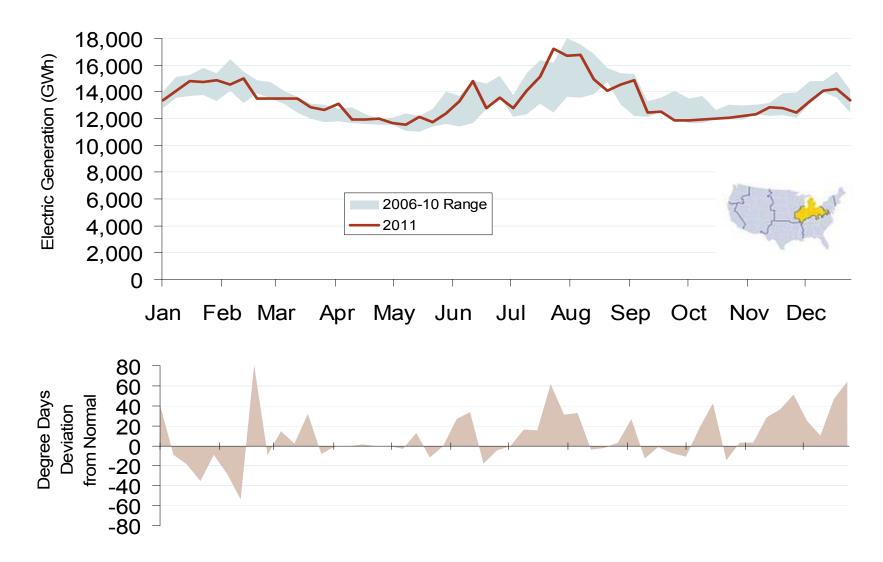
Implied Heat Rates at MISO and PJM Hubs - Weekly Averages



Midwest Electric Market: Generation Output and Temperatures

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Weekly Power Generation & Temps. - Central Industrial Region



Midwest Electric Market: WC Generation Output and Temperatures

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Weekly Power Generation & Temps. - West Central

