



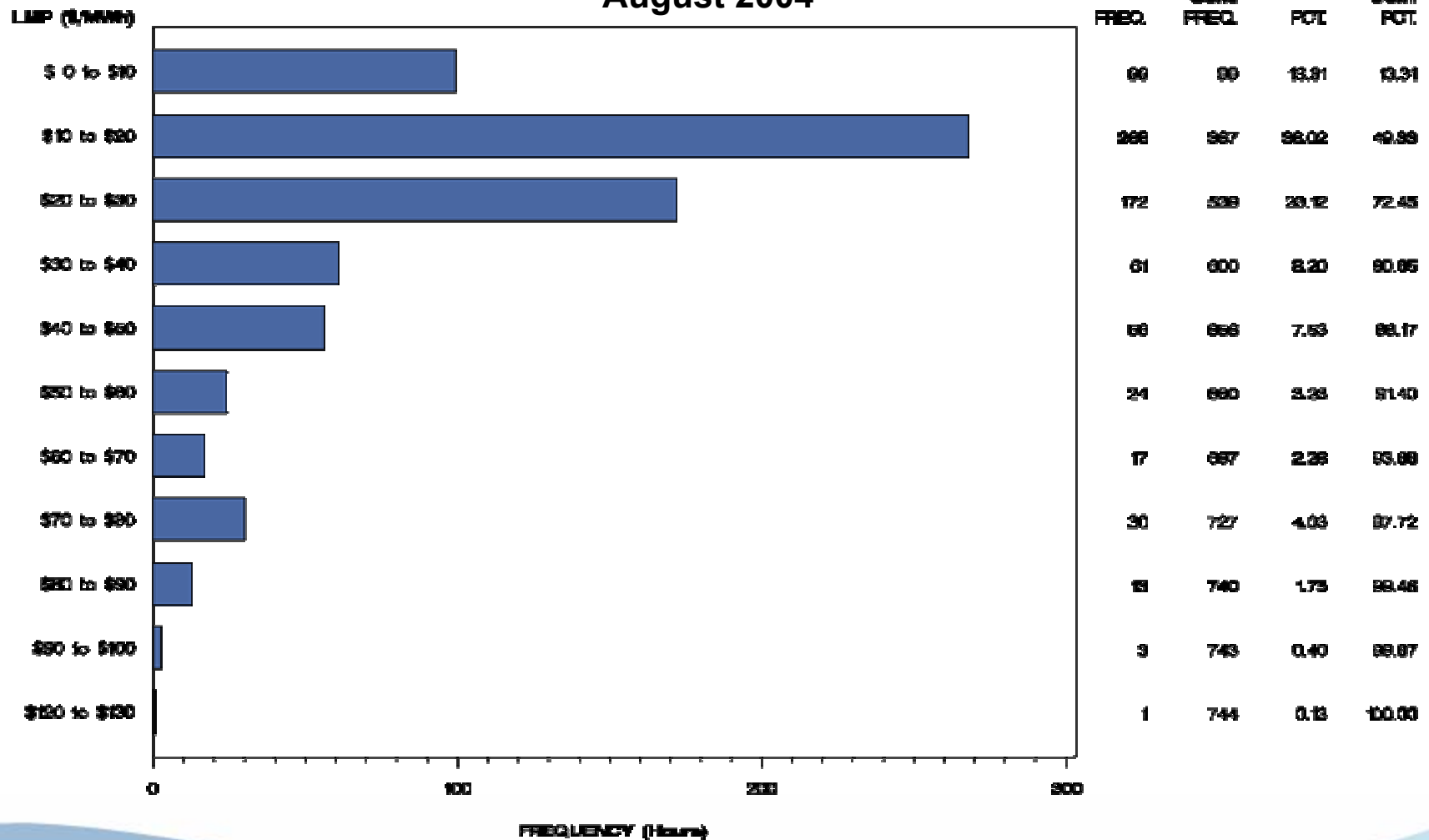
Northern Illinois Control Area Interim Market Monitoring Report for August 2004

Market Monitoring Unit
September 2004

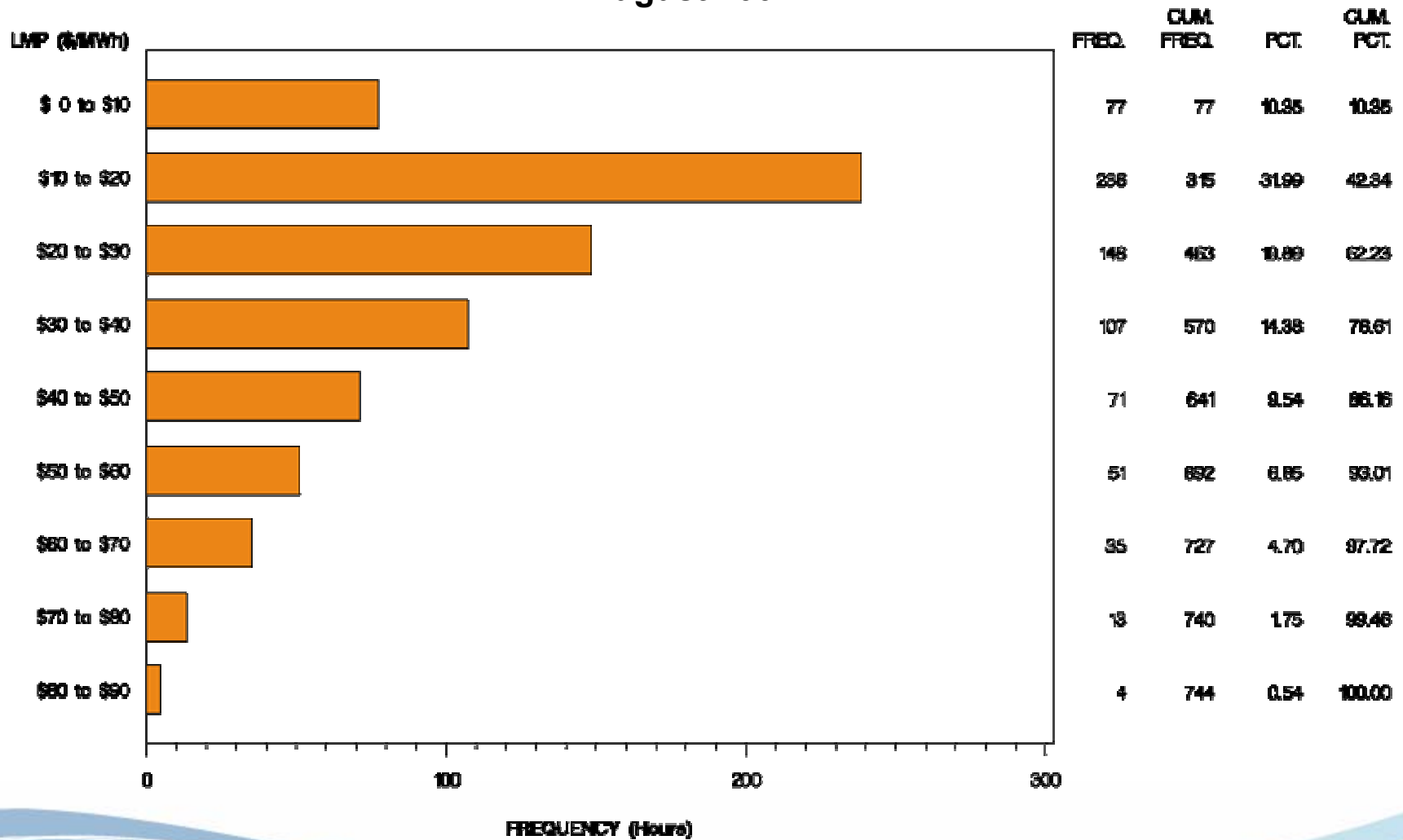
- Overall, the integrated NICA markets functioned well and effectively.
- The NICA Energy Market results were reasonably competitive.
- Pathway flows have increased competition in the NICA and in the PJM CA.
- Interface pricing has been reasonably effective.
- Congestion has been very limited.
- Financial offer and bid levels reflect an active use of PJM hedging instruments.

- The NICA real-time zonal LMP was \$30 or less per MWh for 72 percent of the hours.
- The NICA day-ahead zonal LMP was \$30 or less per MWh for 62 percent of the hours.
- The PJM CA real-time LMP was greater than NICA real-time LMP by an average of \$17.69 per MWh.
- The PJM CA day-ahead LMP was greater than NICA day-ahead LMP by an average of \$14.04 per MWh.

Frequency Distribution by Hours of NICA Real-time LMP August 2004

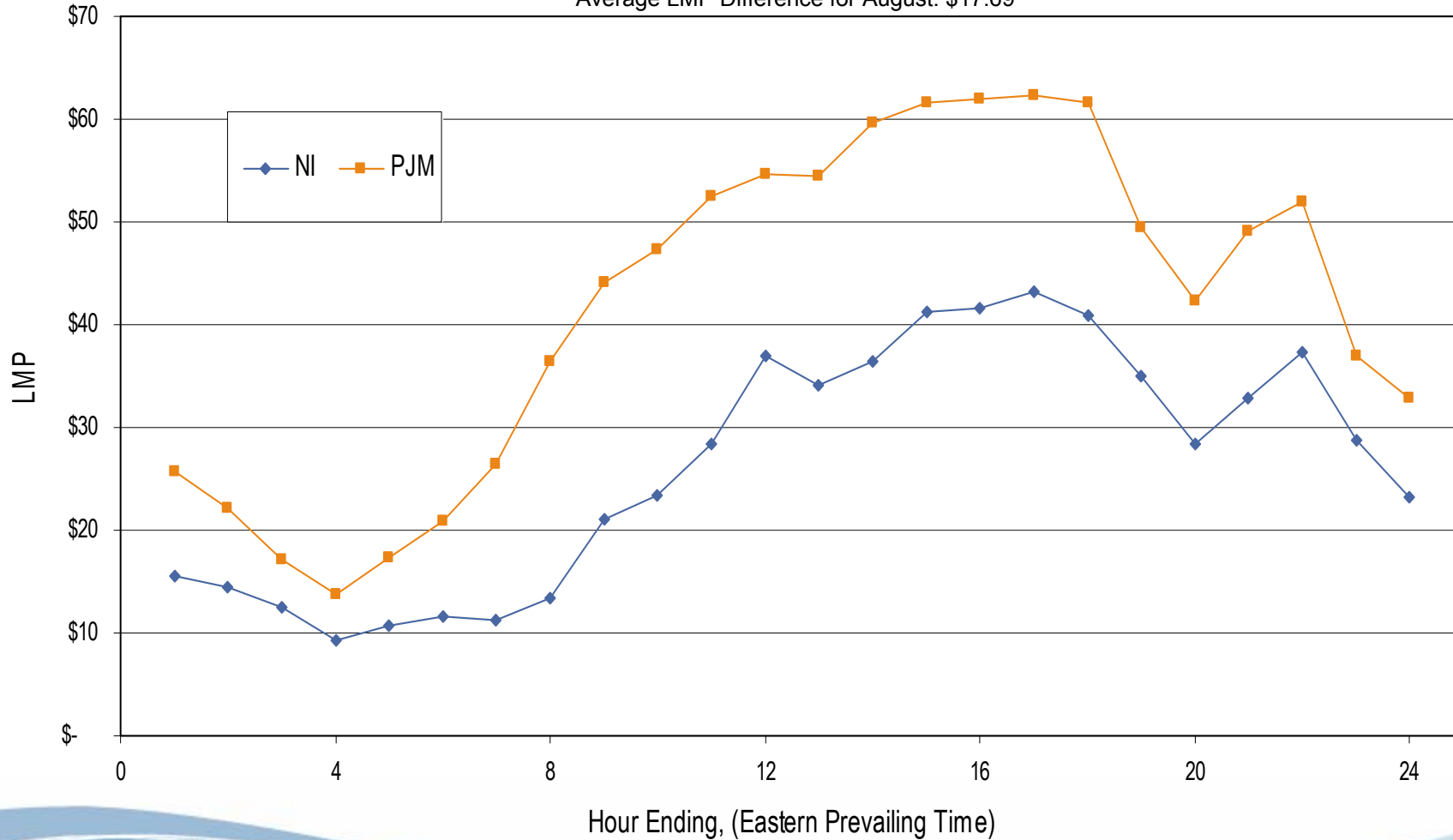


Frequency Distribution by Hours of NICA Day-ahead LMP August 2004



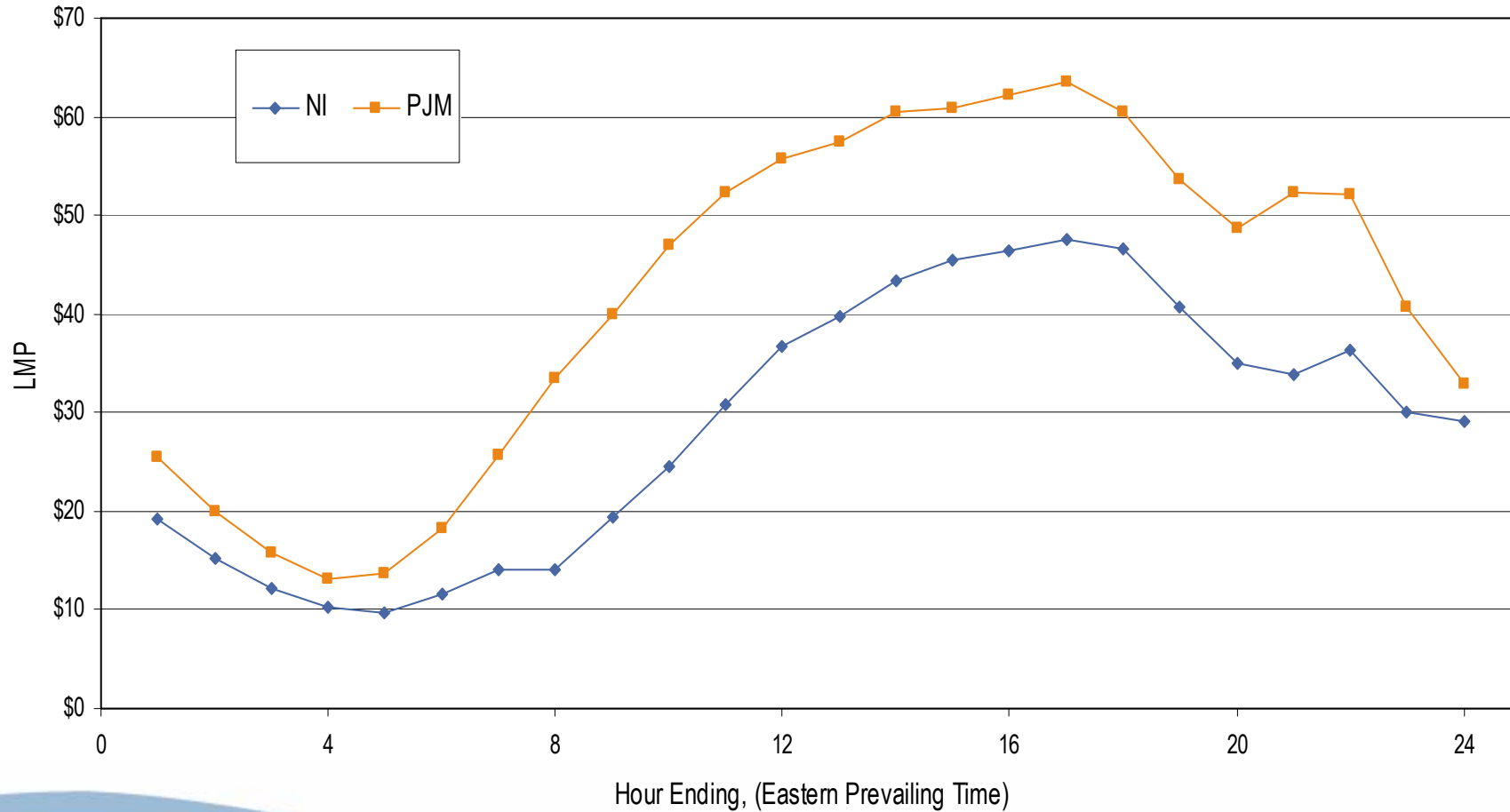
Average Hourly Real-Time LMP - August 2004

Average LMP Difference for August: \$17.69



Average Hourly Day-Ahead LMP - August 2004

Average LMP Difference for August: \$14.04

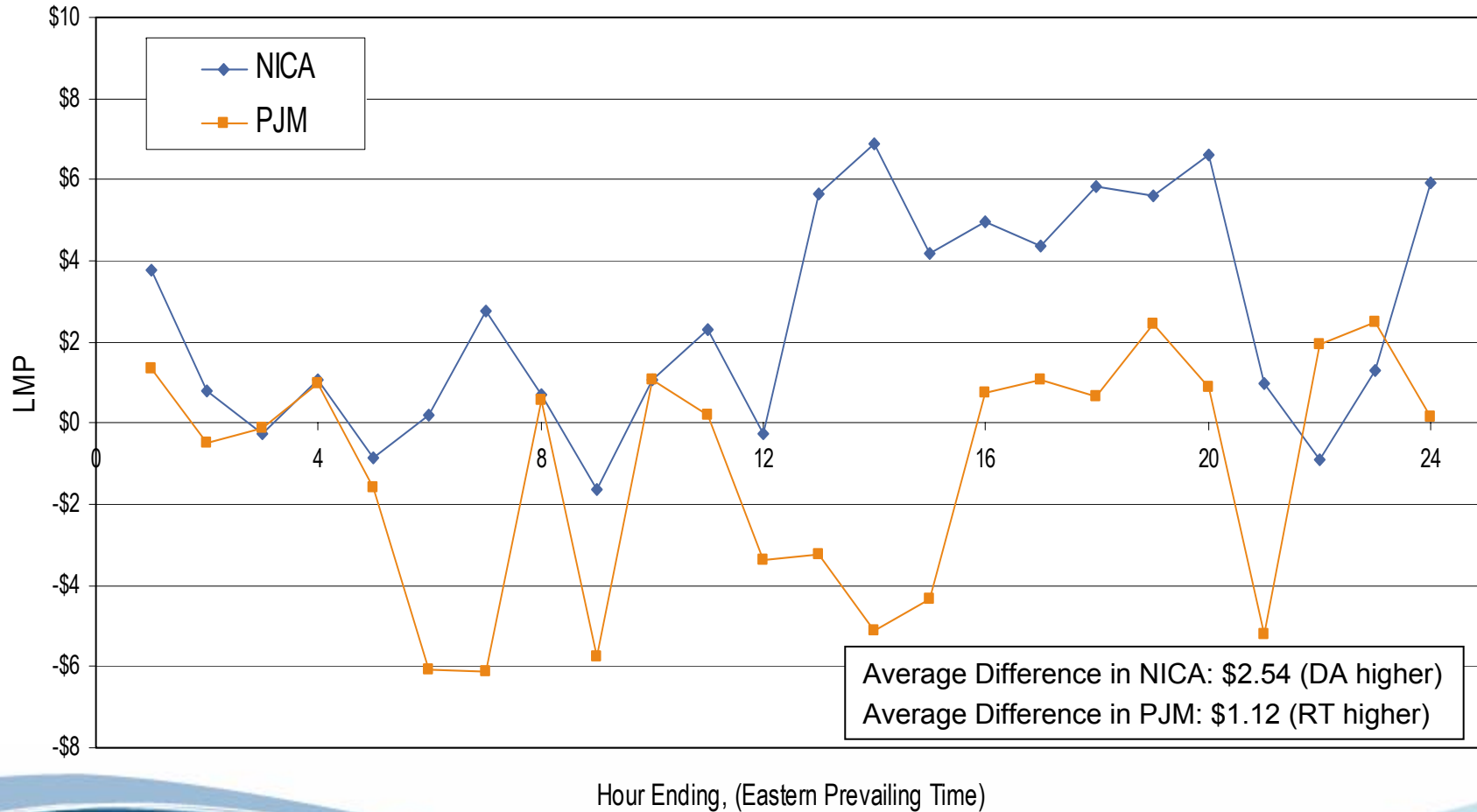




Energy Market price differentials – August 2004

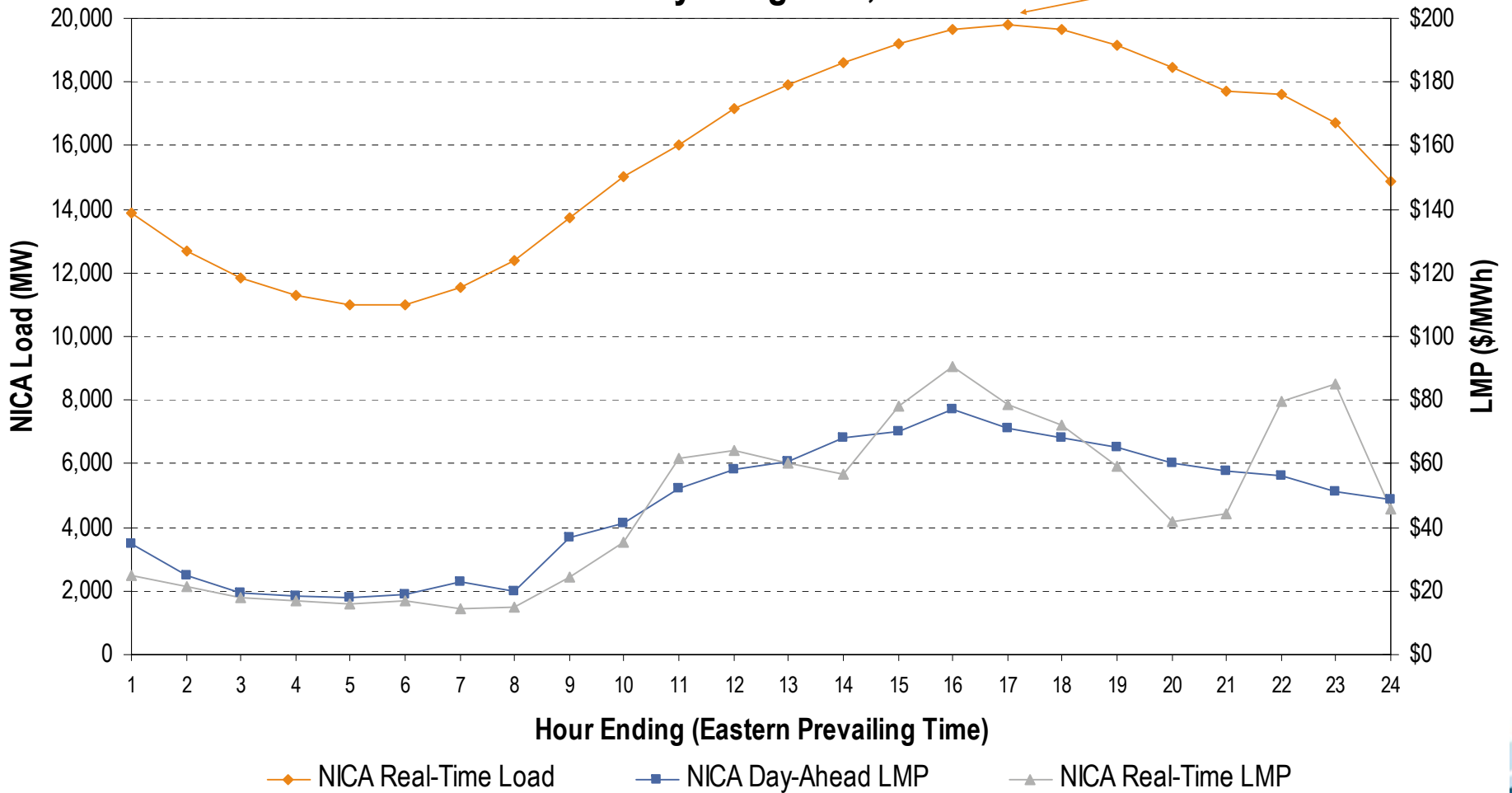
- The NICA day-ahead zonal LMP was greater than the NICA real-time zonal LMP in August. The average hourly difference was \$2.54 per MWh.
- The PJM CA day-ahead zonal LMP was less than the PJM CA real-time zonal LMP in August. The average hourly difference was \$1.12 per MWh.

Average Hourly Difference of Day-Ahead and Real-Time LMPs - August 2004



NICA Peak Demand for 2004 Peak Day - August 3, 2004

8/3/04 - 1700 EPT NICA 19,794 MW





Fuel type of the NICA marginal units

- Marginal units set price at five-minute intervals.
- In August, a NICA unit was on the margin for 4,738 out of 8,928 possible intervals (53 percent).
- Coal units accounted for 87 percent of those intervals.
- Natural gas units accounted for 13 percent of those intervals.

- Congestion was very limited in the NICA in August.
 - There was no congestion in the Day-Ahead Market.
 - Real-Time Market congestion: two event hours – Davis 345kV transformer and Tollway-Hanover one hour each.
 - No NICA units were offer-capped in the Real-Time Markets in August 2004.
 - No NICA units were offer-capped in the Day-Ahead Markets in August 2004.



Real-time pathway statistics for August 2004

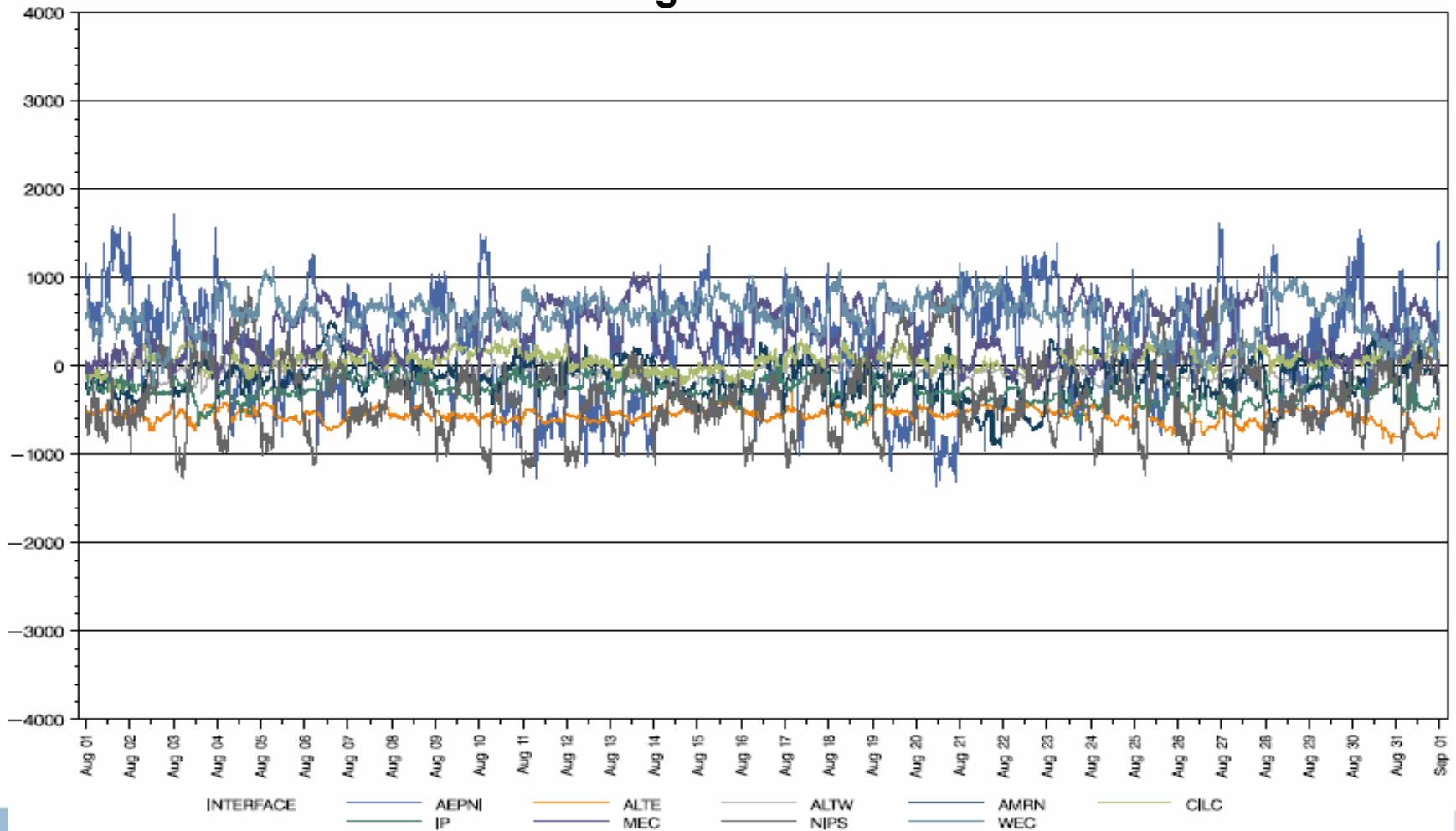
- Pathway constrained from NICA to PJM 359 hours, or 48 percent.
- Pathway constrained from PJM to NICA 50 hours, or seven percent.
- Pathway not constrained for 335 hours, or 45 percent.
- Pathway flowed from NICA to PJM for 498 hours, or 67 percent.
- Pathway flowed from PJM to NICA for 246 hours, or 33 percent.



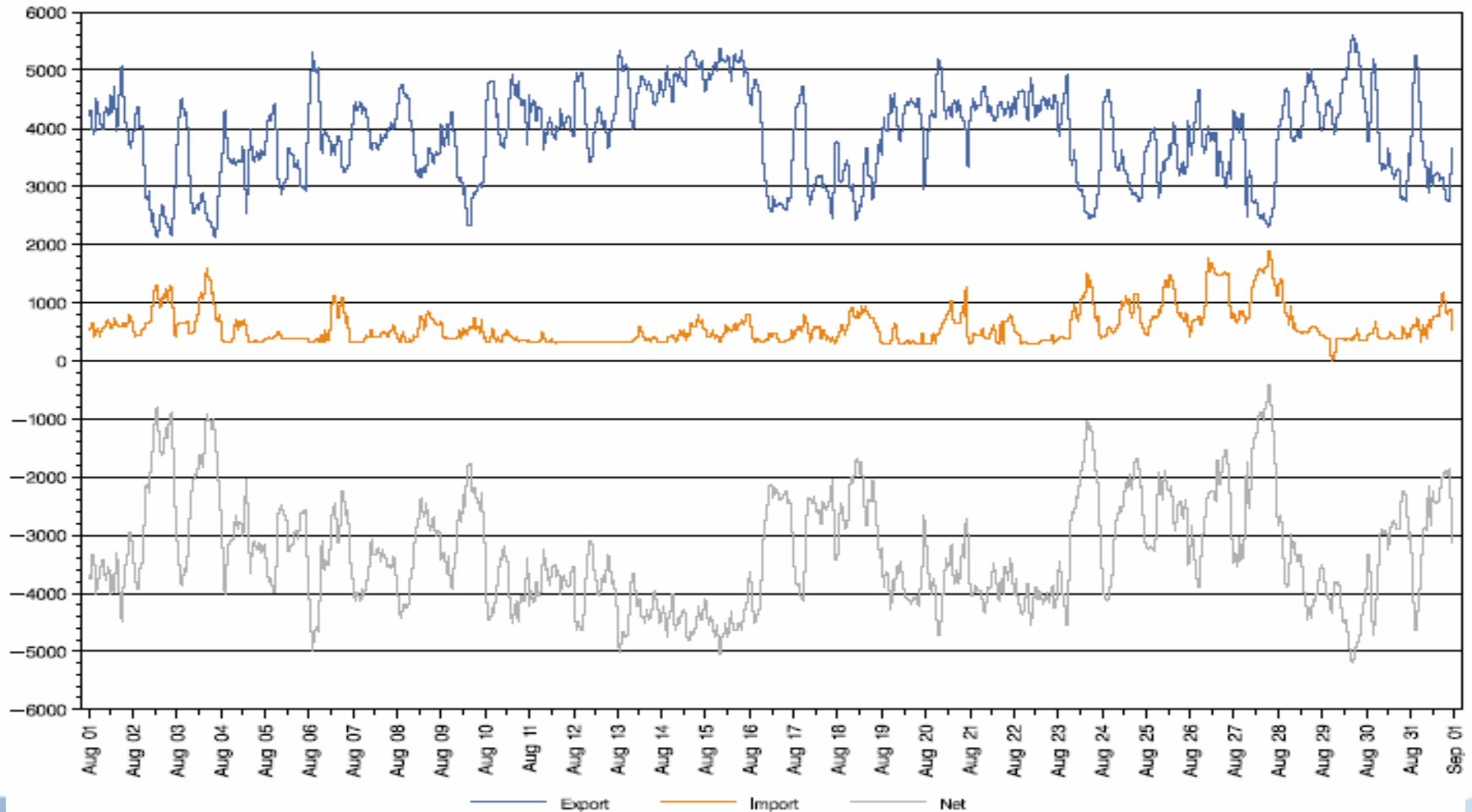
Day-ahead pathway statistics for August 2004

- Pathway constrained from NICA to PJM 502 hours, or 67 percent.
- Pathway constrained from PJM to NICA 92 hours, or 13 percent.
- Pathway not constrained for 150 hours, or 20 percent.
- Pathway flowed from NICA to PJM for 604 hours, or 81 percent.
- Pathway flowed from PJM to NICA for 140 hours, or 19 percent.

NICA Actual Minus Scheduled Tie Flows August 2004



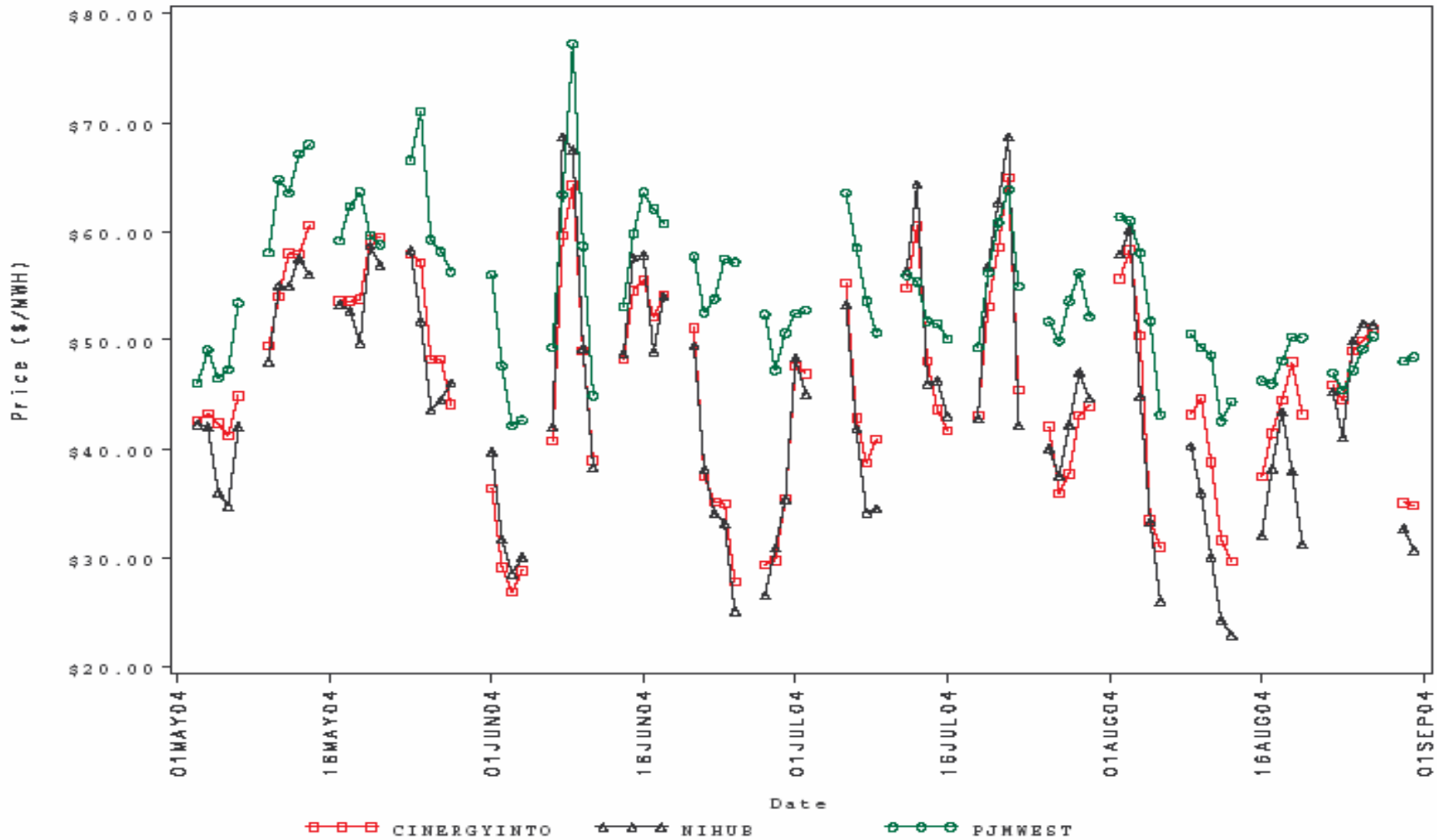
NICA Imports, Exports and Net August 2004



- Daily forward prices for NIHub and CINergy tracked closely in August.
 - The maximum daily NIHub–CINergy spread was \$2.22 per MWh during August.
 - The minimum daily NIHub–CINergy spread was -\$11.98 per MWh during August.
 - The average daily NIHub–CINergy spread was -\$3.65 per MWh during August.
 - The NIHub–CINergy spread was -\$4.09 per MWh on the final trading day of August.

Cinergy, NIHub and PJM Dailies

Platts Data



- Forward prices for the September contract showed varying spreads during August.
 - Spreads reflect traders' expectations about future prices.
 - The maximum NIHub–CINergy spread was \$0.35 per MWh during August.
 - The minimum NIHub–CINergy spread was -\$2.60 per MWh during August.
 - The average NIHub–CINergy spread was -\$1.57 per MWh during August.
 - The NIHub–CINergy spread was -\$1.80 per MWh on the final trading day for the September contract.

Cinergy, NIHub and PJM West Forward Prices

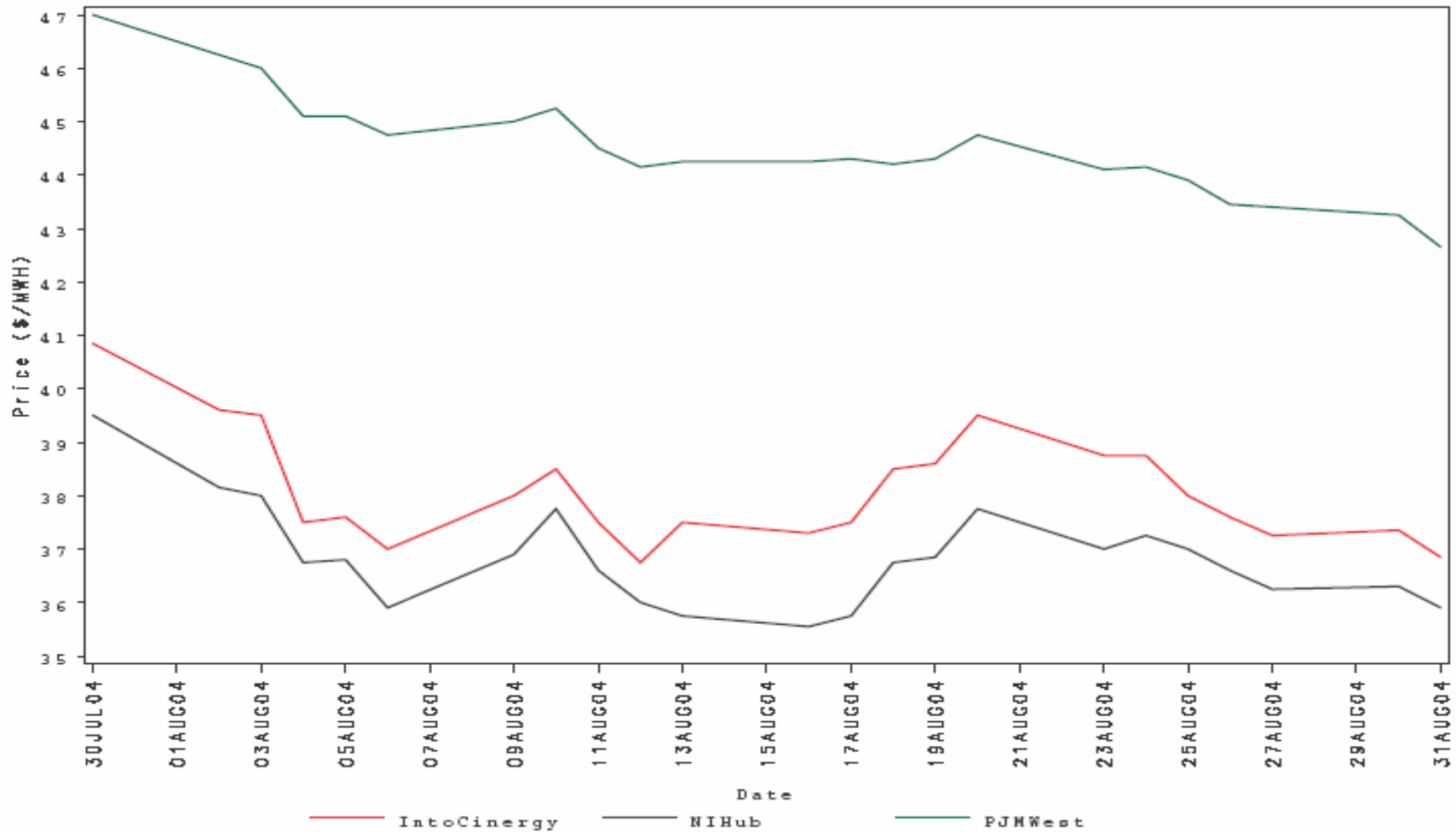
Platts Data
contract-Sep2004



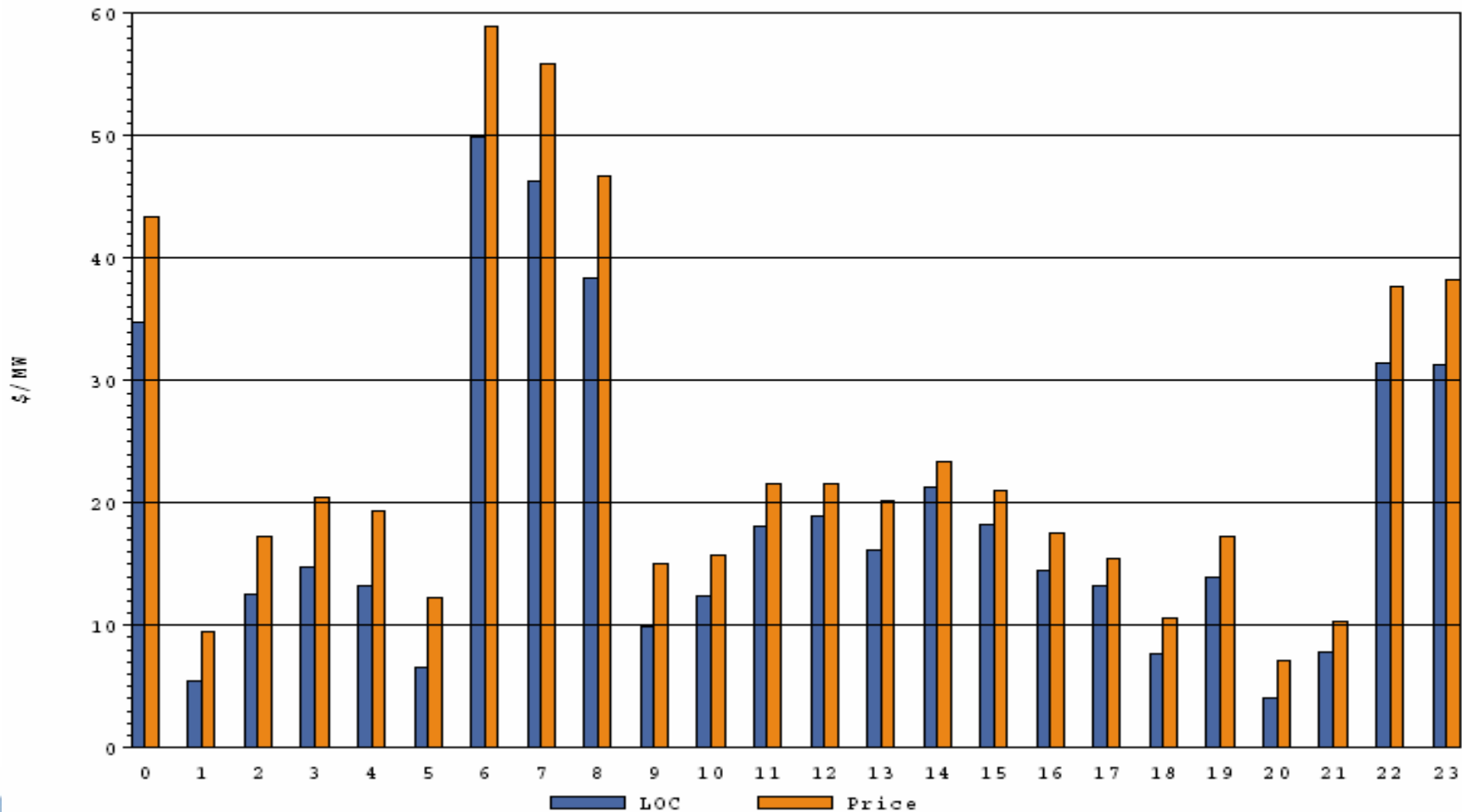
- Forward prices for the October contract showed varying spreads during August.
 - Spreads reflect traders' expectations about future prices.
 - The maximum NIHub–CINergy spread was $-\$0.35$ per MWh during August.
 - The minimum NIHub–CINergy spread was $-\$1.75$ per MWh during August.
 - The average NIHub–CINergy spread was $-\$1.27$ per MWh during August.
 - The NIHub–CINergy spread for the October contract was $-\$0.95$ per MWh on the final trading day of August.

Cinergy, NIHub and PJM West Forward Prices

Platts Data
contract=Oct2004



NICA Regulation Price and Opportunity Cost
August 2004



- NICA Capacity Market structural tests indicate significant potential market power.
- Results of NICA Capacity Market auctions were generally less than the proposed offer cap.



Capacity Market prices through August auctions

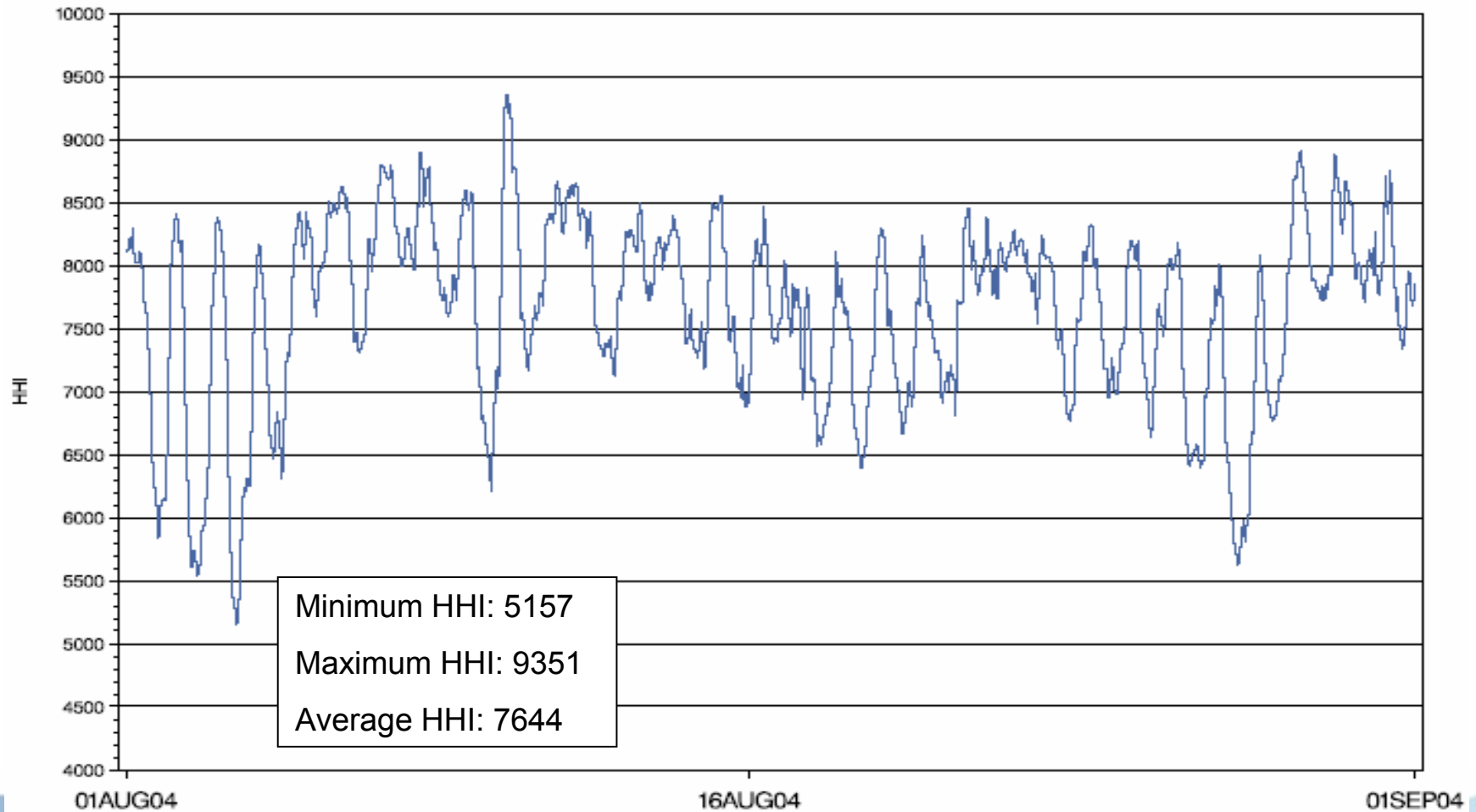
- Average capacity price per MW for the summer 2004 period was \$29.67.
- Average capacity price per MW for the fall 2004 period was \$25.80.
- Average capacity price per MW for the winter 2004/2005 period was \$25.66.
- Average capacity price per MW for the full planning period was \$27.68.

- The NICA energy market had high HHIs (Herfindahl-Hirschman Index) during August.
 - High HHIs reflect highly concentrated ownership of the units supplying energy on an hourly basis.
- The NICA energy market had low RSIs (Residual Supply Index) during August.
 - RSIs less than 1.0 indicate that a single supplier is pivotal during the hour.
- The pathway flows served to provide competitive pressures in the NICA energy market, offsetting the stand-alone structural market power concerns.



Market Herfindahl-Hirschman Index (HHI)

NICA Hourly Energy Market HHI
August 2004



Note: Includes net imports



NICA Residual Supply Index – August 2004

Number of Hours RSI < 1.10	Number of Hours RSI < 1.00	Percent of Hours RSI < 1.10	Percent of Hours RSI < 1.00	Overall Average RSI	Overall Minimum RSI
569	472	76%	63%	0.87	0.54