



Northern Illinois Control Area Interim Market Monitoring Report for September 2004

Market Monitoring Unit
October 2004

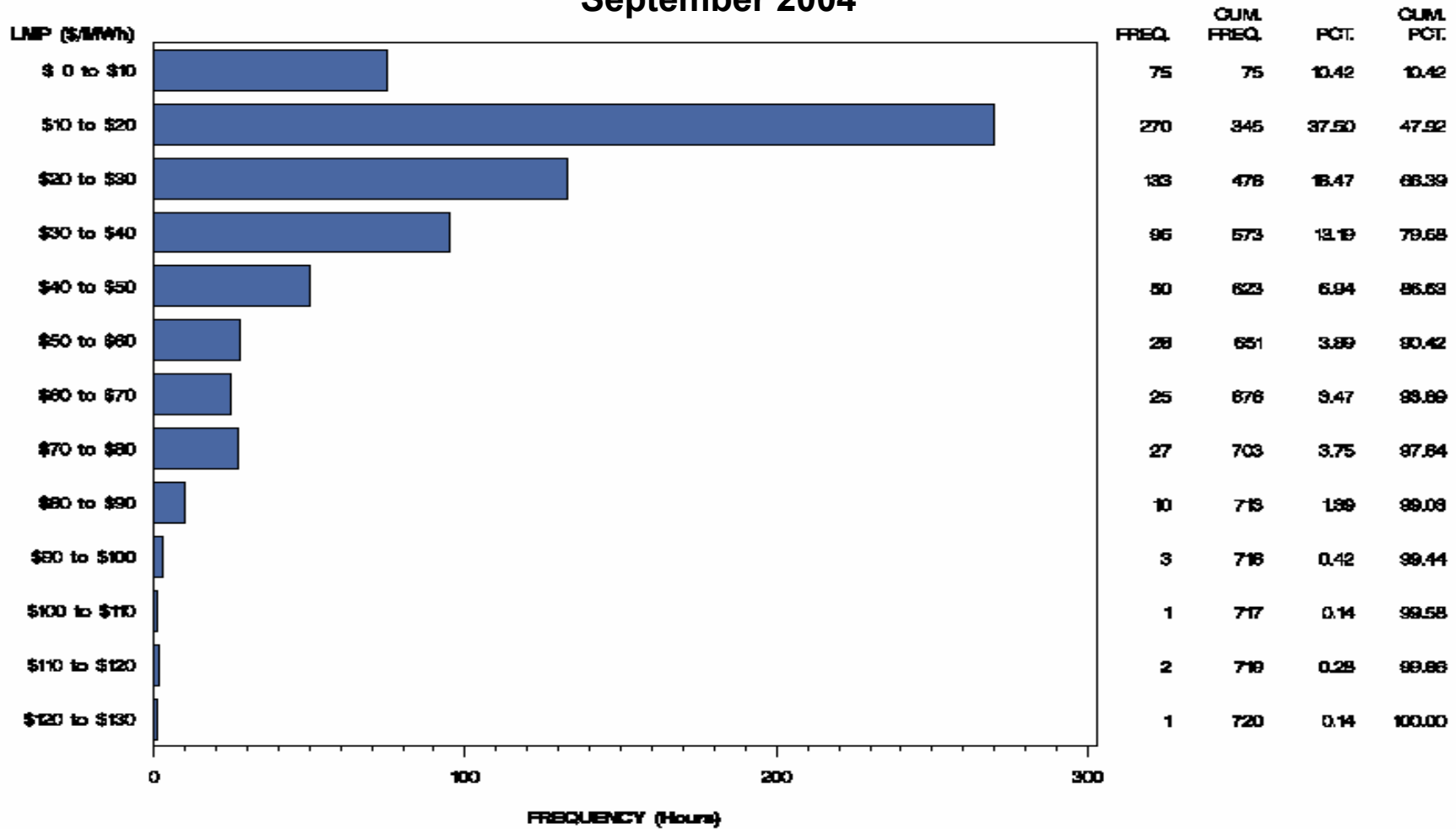


NICA market results – September 2004

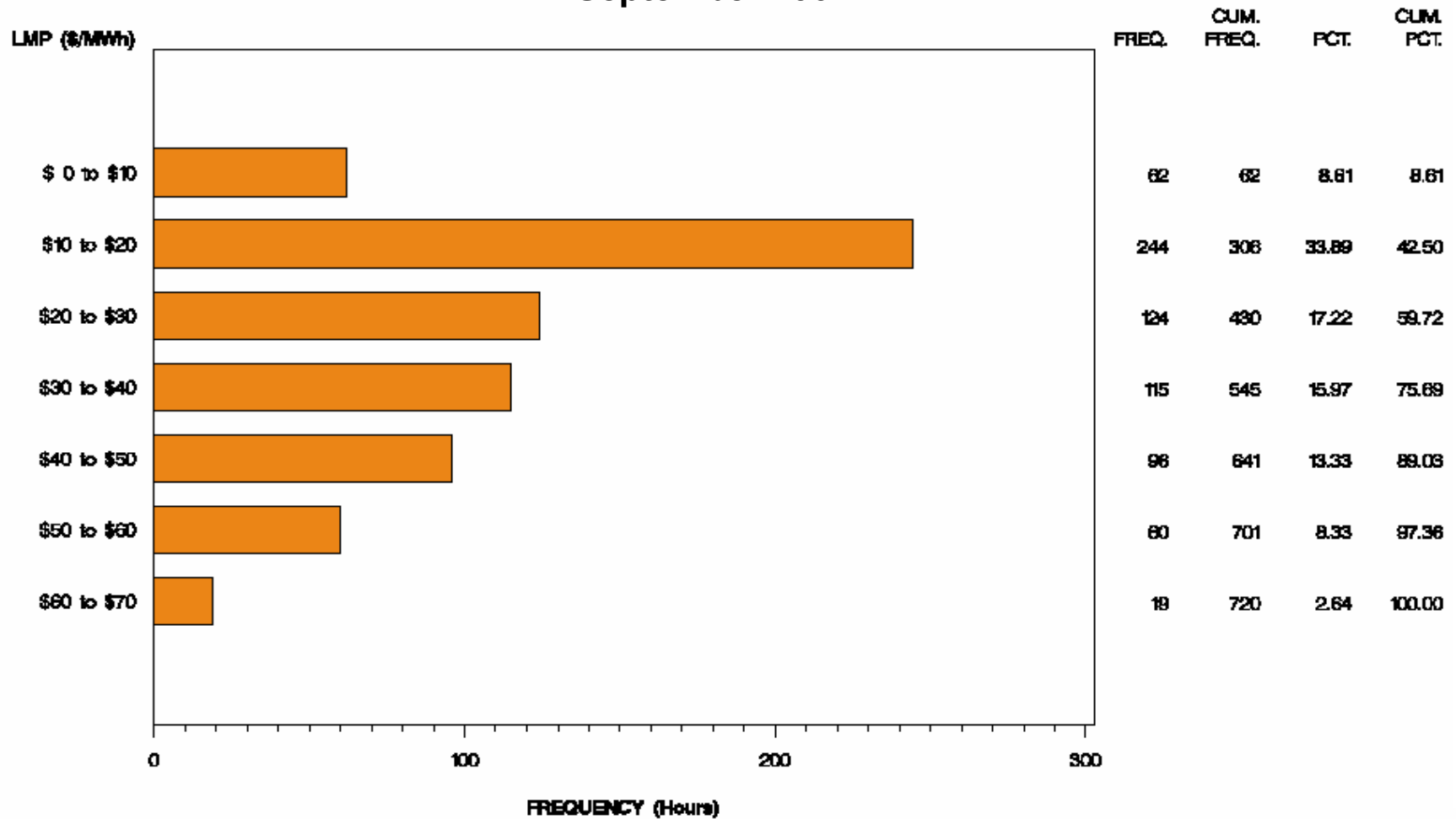
- Overall, the integrated NICA markets functioned well and effectively.
- The NICA Energy Market results were reasonably competitive.
- Pathway flows have increased competition in the NICA and in the PJM CA.
- Interface pricing has been reasonably effective.
- Congestion has been very limited.
- Financial 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 66 percent of the hours.
- The NICA day-ahead zonal LMP was \$30 or less per MWh for 60 percent of the hours.
- The PJM CA real-time LMP was greater than NICA real-time LMP by an average of \$15.45 per MWh.
- The PJM CA day-ahead LMP was greater than NICA day-ahead LMP by an average of \$12.17 per MWh.

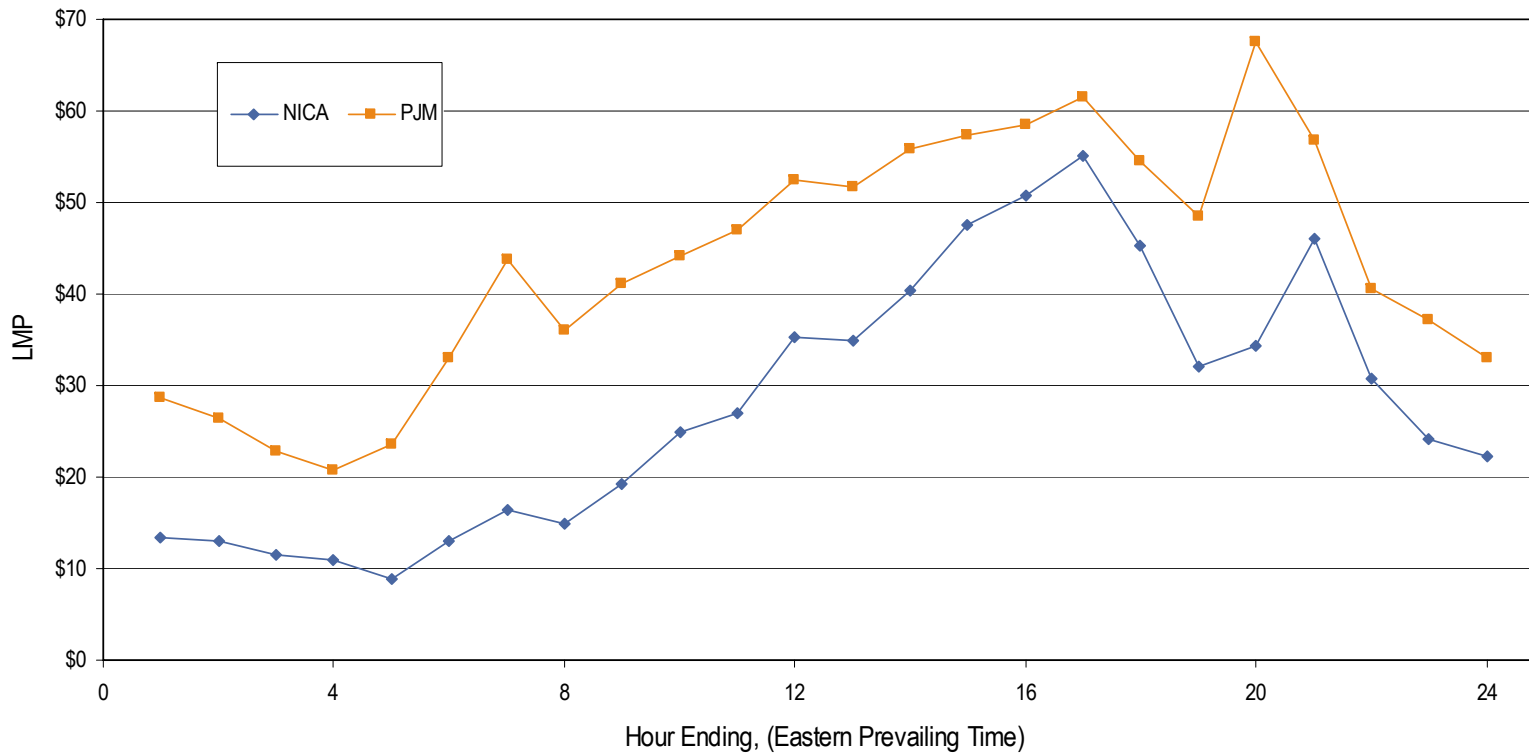
Frequency Distribution by Hours of NICA Real-time LMP September 2004



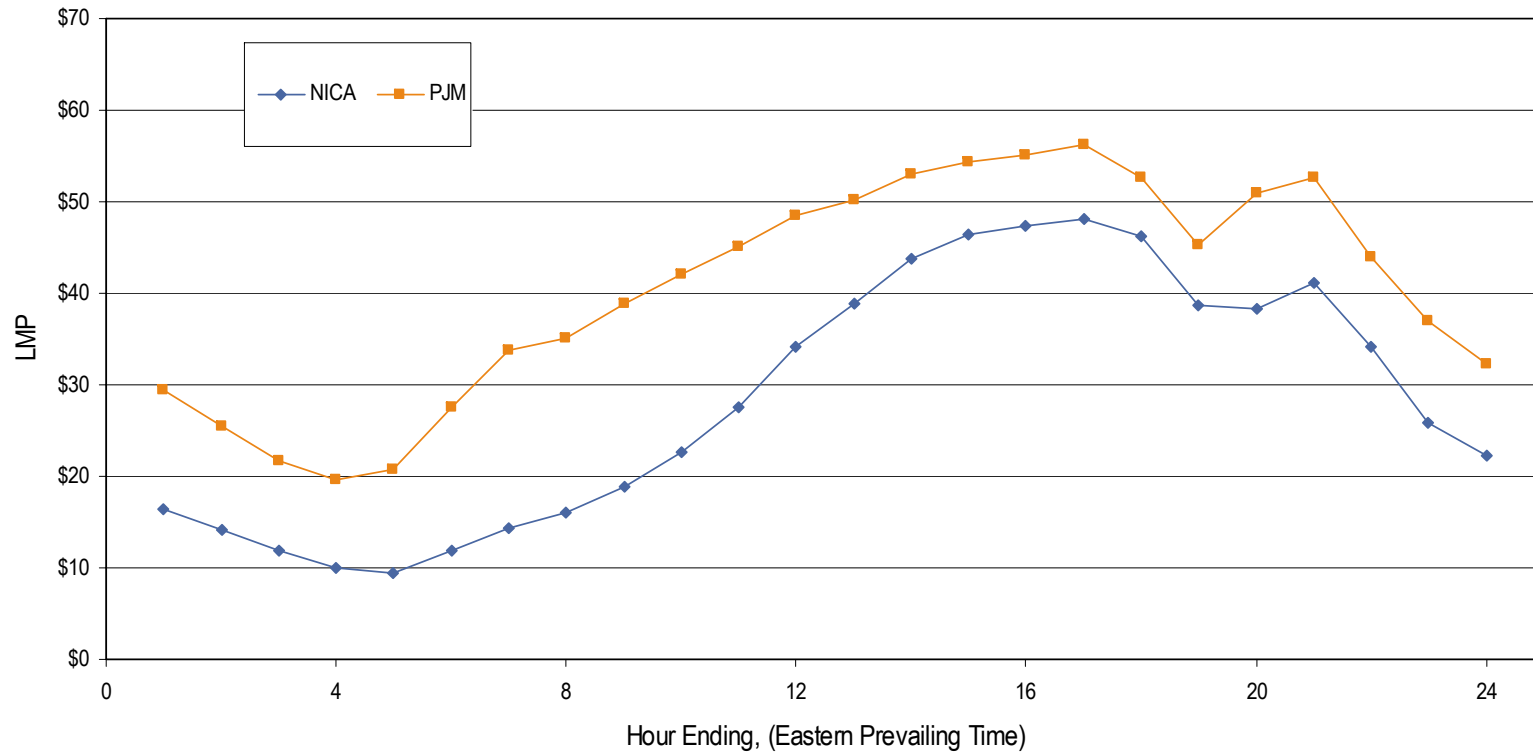
Frequency Distribution by Hours of NICA Day-ahead LMP September 2004



Average LMP Difference for September: \$15.45
Average Hourly Real-Time LMP – September 2004



Average LMP Difference for September: \$12.17
Average Hourly Day-Ahead LMP – September 2004

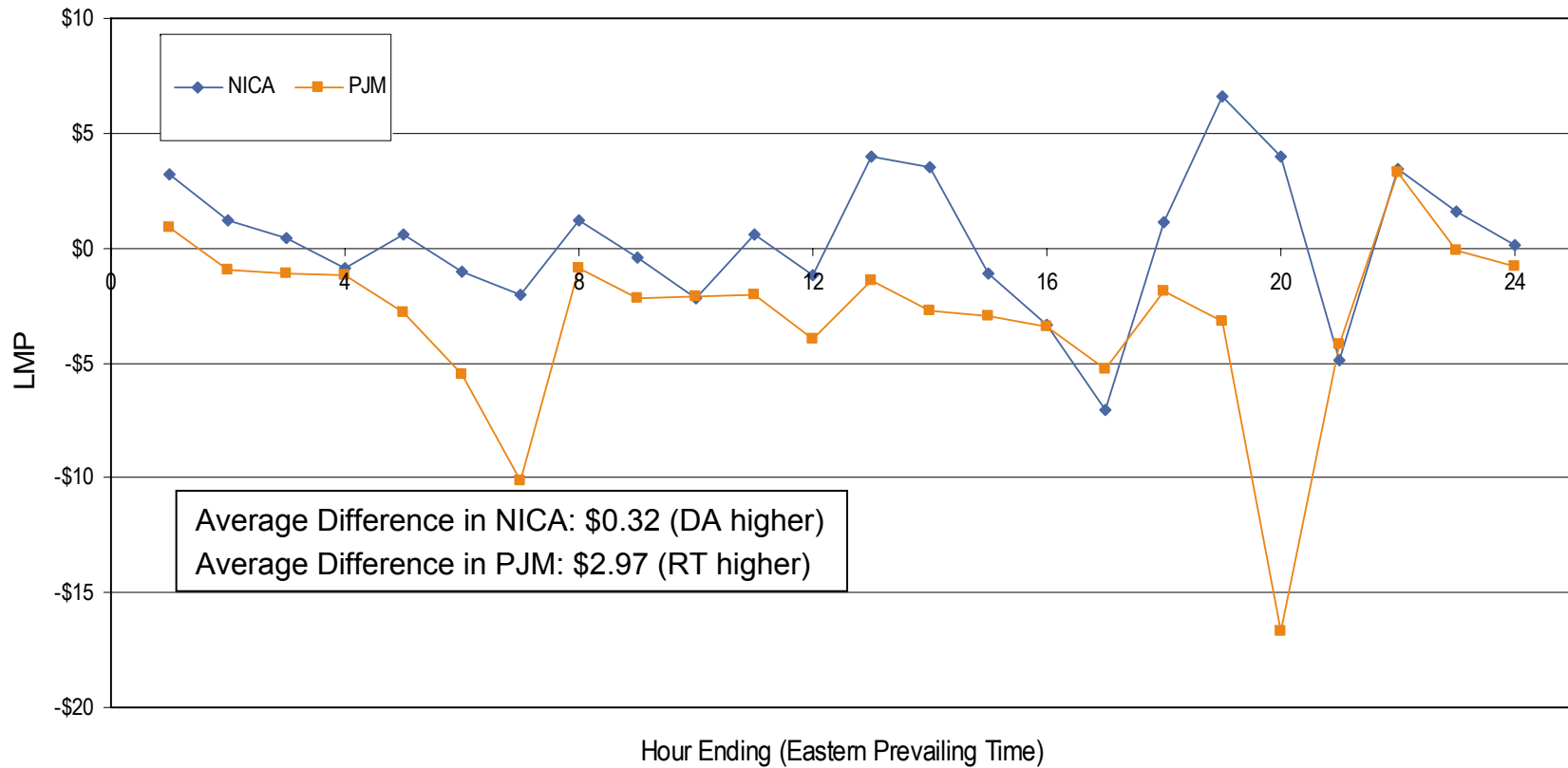




Energy Market price differentials – September 2004

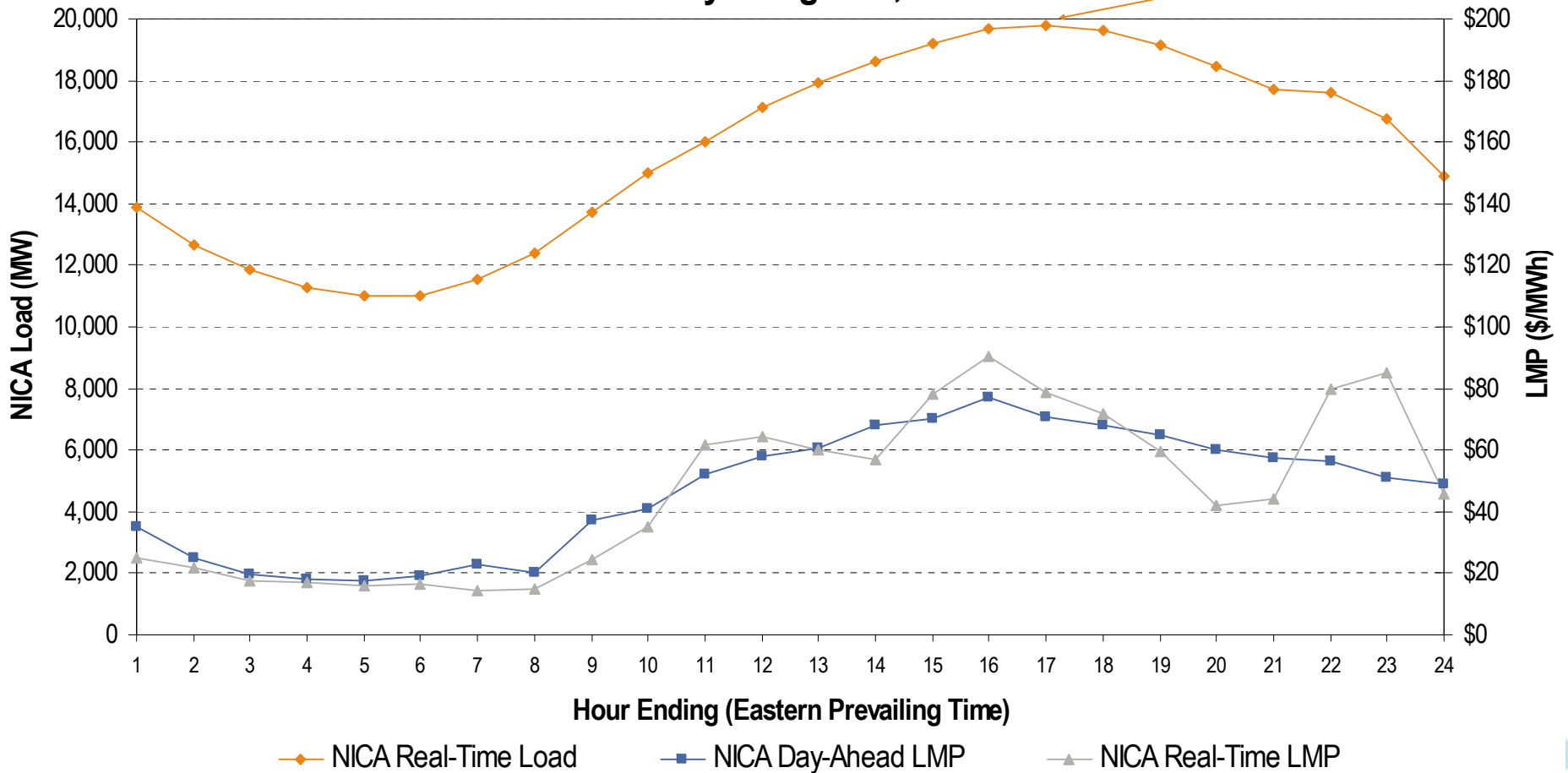
- The NICA day-ahead zonal LMP was greater than the NICA real-time zonal LMP in September. The average hourly difference was \$0.32 per MWh.
- The PJM CA day-ahead zonal LMP was less than the PJM CA real-time zonal LMP in September. The average hourly difference was \$2.97 per MWh.

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



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

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





Fuel type of the NICA marginal units

- Marginal units set price at five-minute intervals.
- In September, a NICA unit was on the margin for 4,605 out of 8,640 possible intervals (53 percent).
- Coal units accounted for 92 percent of those intervals.
- Natural gas units accounted for eight percent of those intervals.

- Congestion was very limited in the NICA in September.
 - Day-Ahead Market congestion: one event hour – Waukegan-Round Lake
 - Real-Time Market congestion: one event hour – Electric Junction-Nelson
 - Offer capping in real time consisted of 27 unit hours for September 2004.
 - No NICA units were offer-capped in the Day-Ahead Markets in September 2004.



Real-time pathway statistics for September 2004

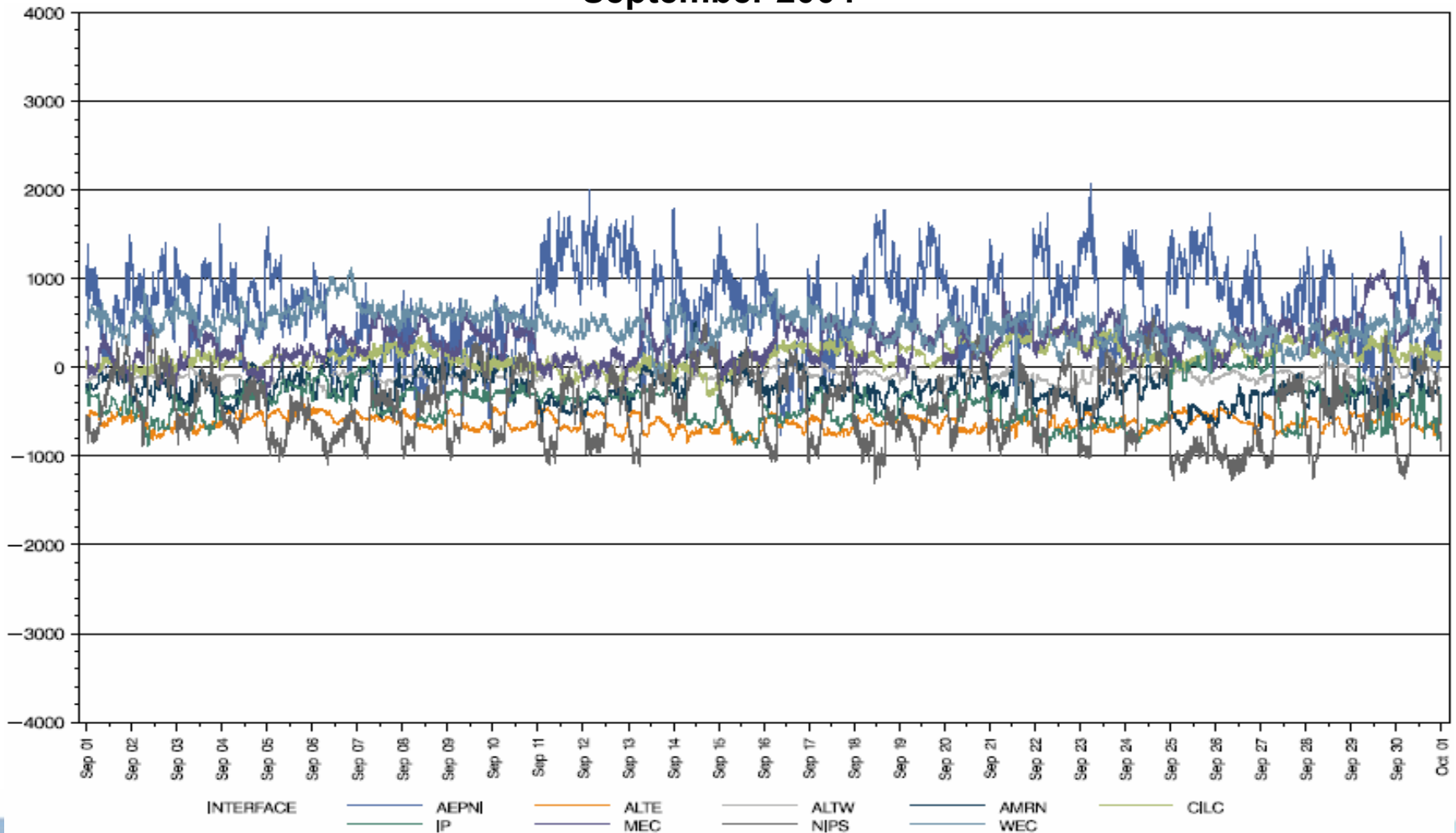
- Pathway constrained from NICA to PJM 368 hours, or 51 percent.
- Pathway constrained from PJM to NICA 32 hours, or four percent.
- Pathway not constrained for 320 hours, or 45 percent.
- Pathway flowed from NICA to PJM for 544 hours, or 75 percent.
- Pathway flowed from PJM to NICA for 176 hours, or 25 percent.



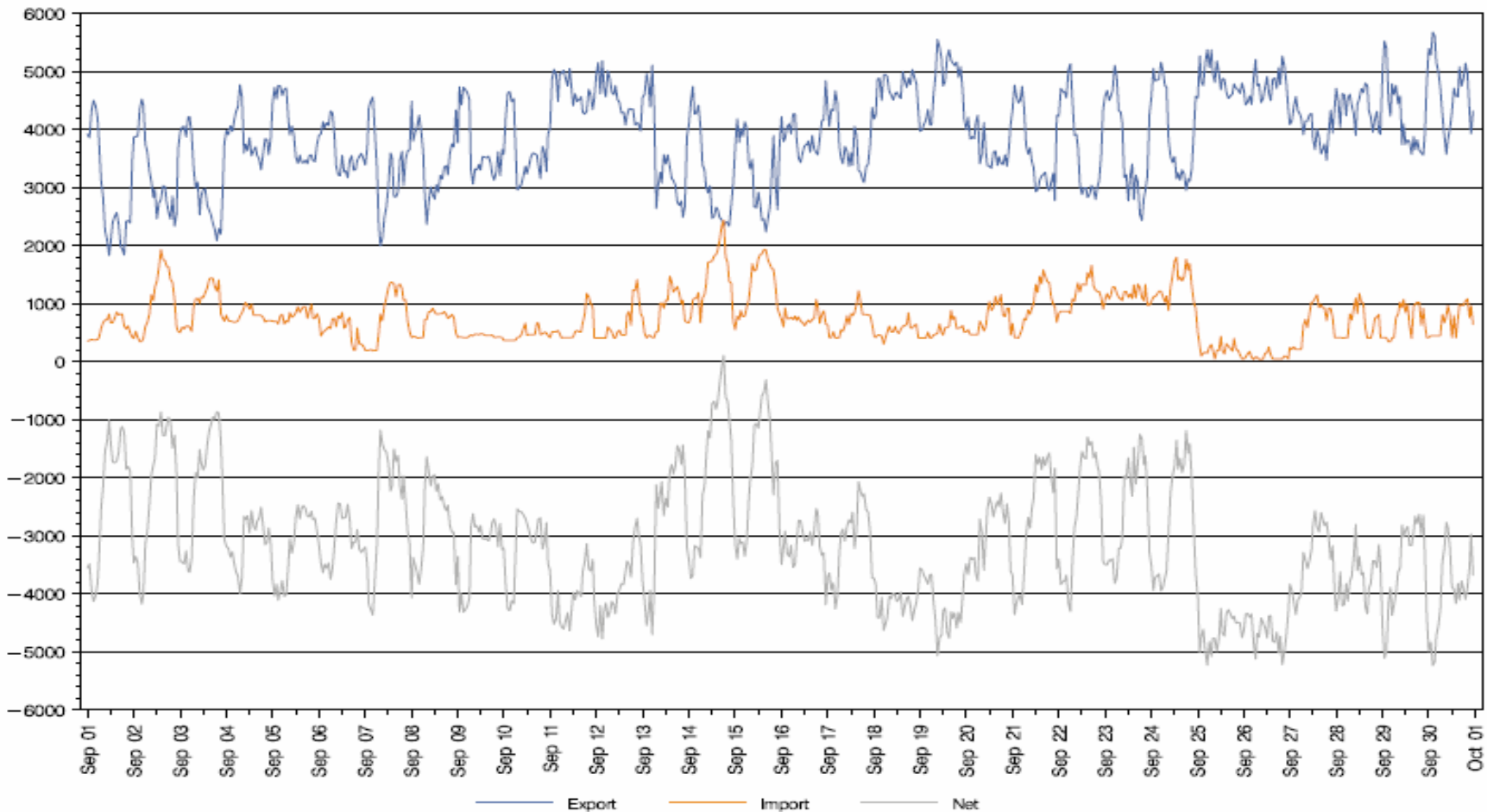
Day-ahead pathway statistics for September 2004

- Pathway constrained from NICA to PJM 537 hours, or 75 percent.
- Pathway constrained from PJM to NICA 53 hours, or seven percent.
- Pathway not constrained for 130 hours, or 18 percent.
- Pathway flowed from NICA to PJM for 624 hours, or 87 percent.
- Pathway flowed from PJM to NICA for 96 hours, or 13 percent.

NICA Actual Minus Scheduled Tie Flows September 2004



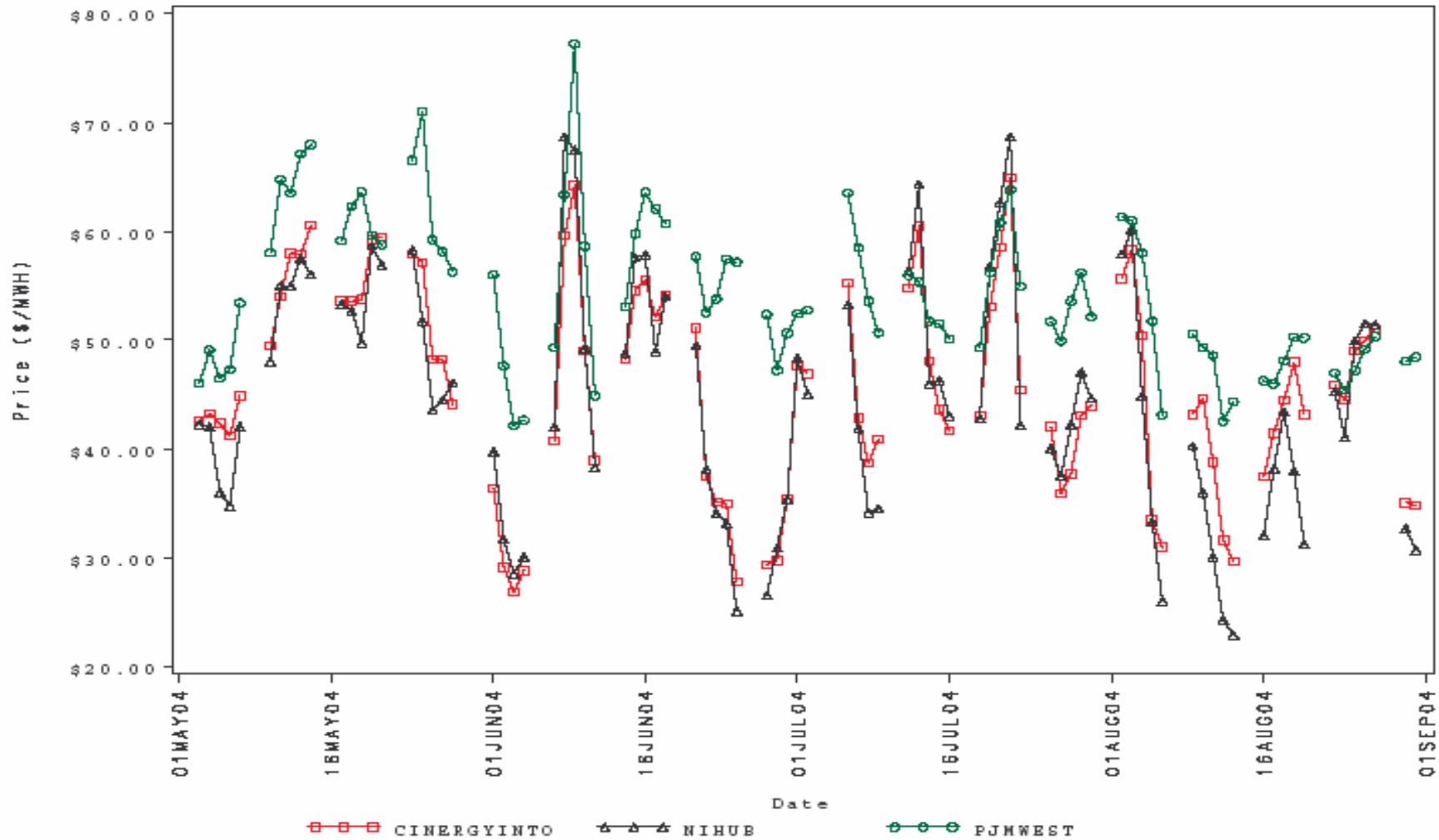
NICA Imports, Exports and Net September 2004



- Daily forward prices for NIHub and CINergy tracked closely in September.
 - The maximum daily NIHub-CINergy spread was \$4.26 per MWh during September.
 - The minimum daily NIHub-CINergy spread was -\$6.38 per MWh during September.
 - The average daily NIHub-CINergy spread was -\$1.65 per MWh during September.
 - The NIHub-CINergy spread was -\$6.32 per MWh on the final trading day of September.

Cinergy, NIHub and PJM Dailies

Platts Data



- Forward prices for the October contract showed varying spreads during September.
 - Spreads reflect traders' expectations about future prices.
 - The maximum NIHub-CINergy spread was \$0.00 per MWh during September.
 - The minimum NIHub-CINergy spread was -\$1.75 per MWh during September.
 - The average NIHub-CINergy spread was -\$0.97 per MWh during September.
 - The NIHub-CINergy spread was -\$1.25 per MWh on the final trading day for the September contract.

Cinergy, NIHub and PJM West Forward Prices

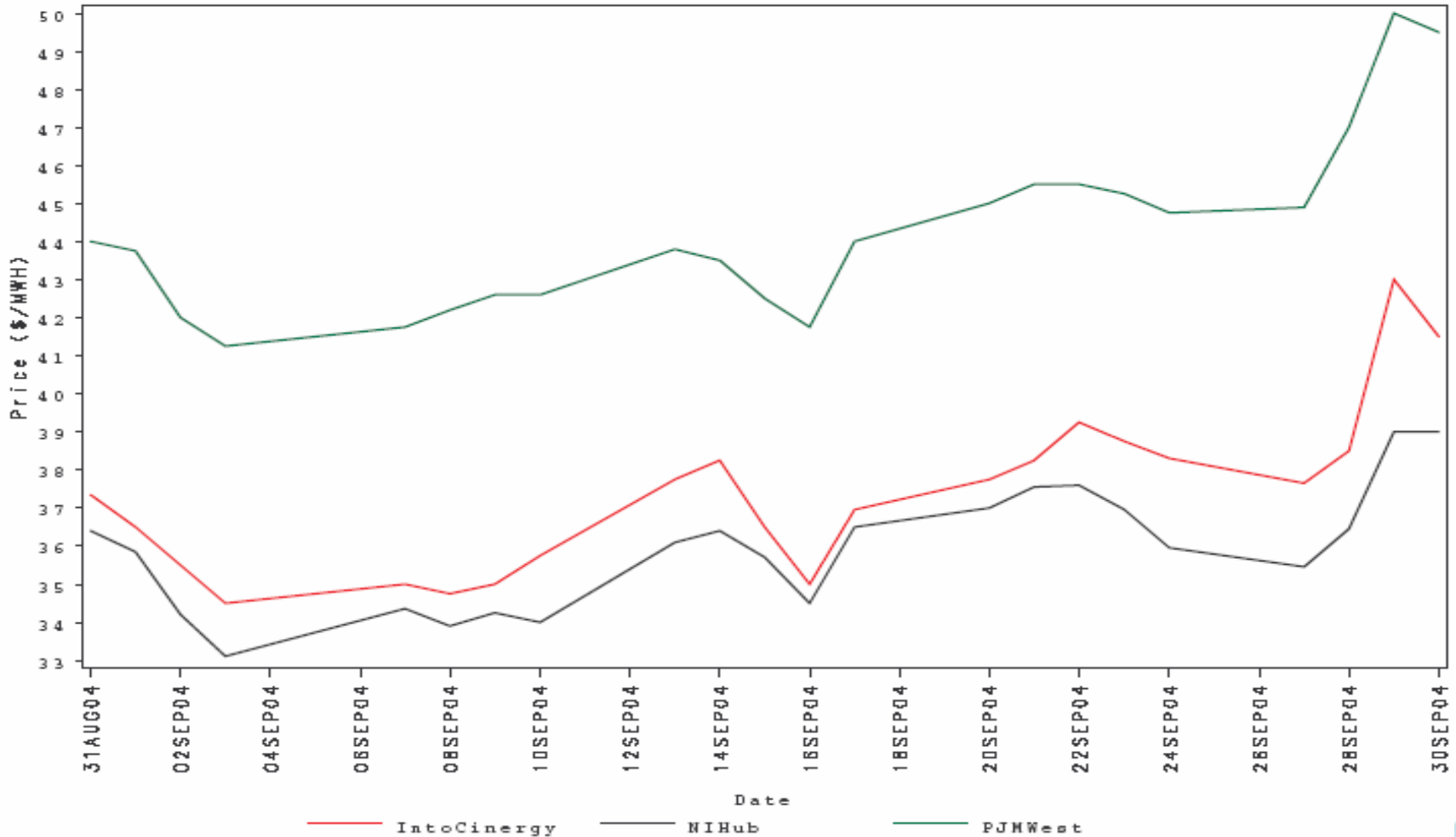
Platts Data
contract-Oct2004



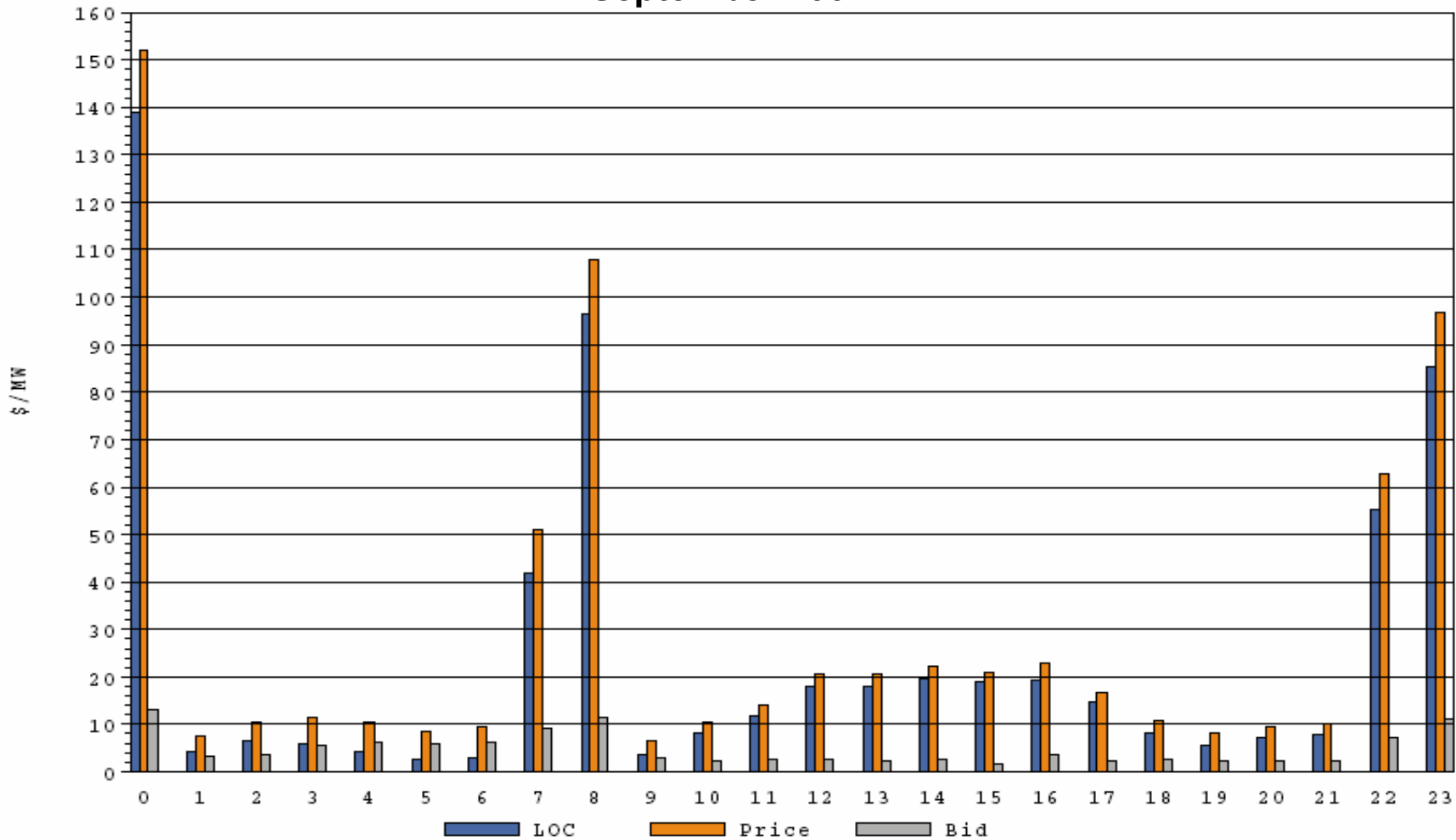
- Forward prices for the November contract showed varying spreads during September.
 - Spreads reflect traders' expectations about future prices.
 - The maximum NIHub-CINergy spread was $-\$0.45$ per MWh during September.
 - The minimum NIHub-CINergy spread was $-\$4.00$ per MWh during September.
 - The average NIHub-CINergy spread was $-\$1.46$ per MWh during September.
 - The NIHub-CINergy spread for the October contract was $-\$2.50$ per MWh on the final trading day of September.

Cinergy, NIHub and PJM West Forward Prices

Platts Data
contract-Nov2004



NICA Regulation Marginal Unit Price and Opportunity Cost September 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.

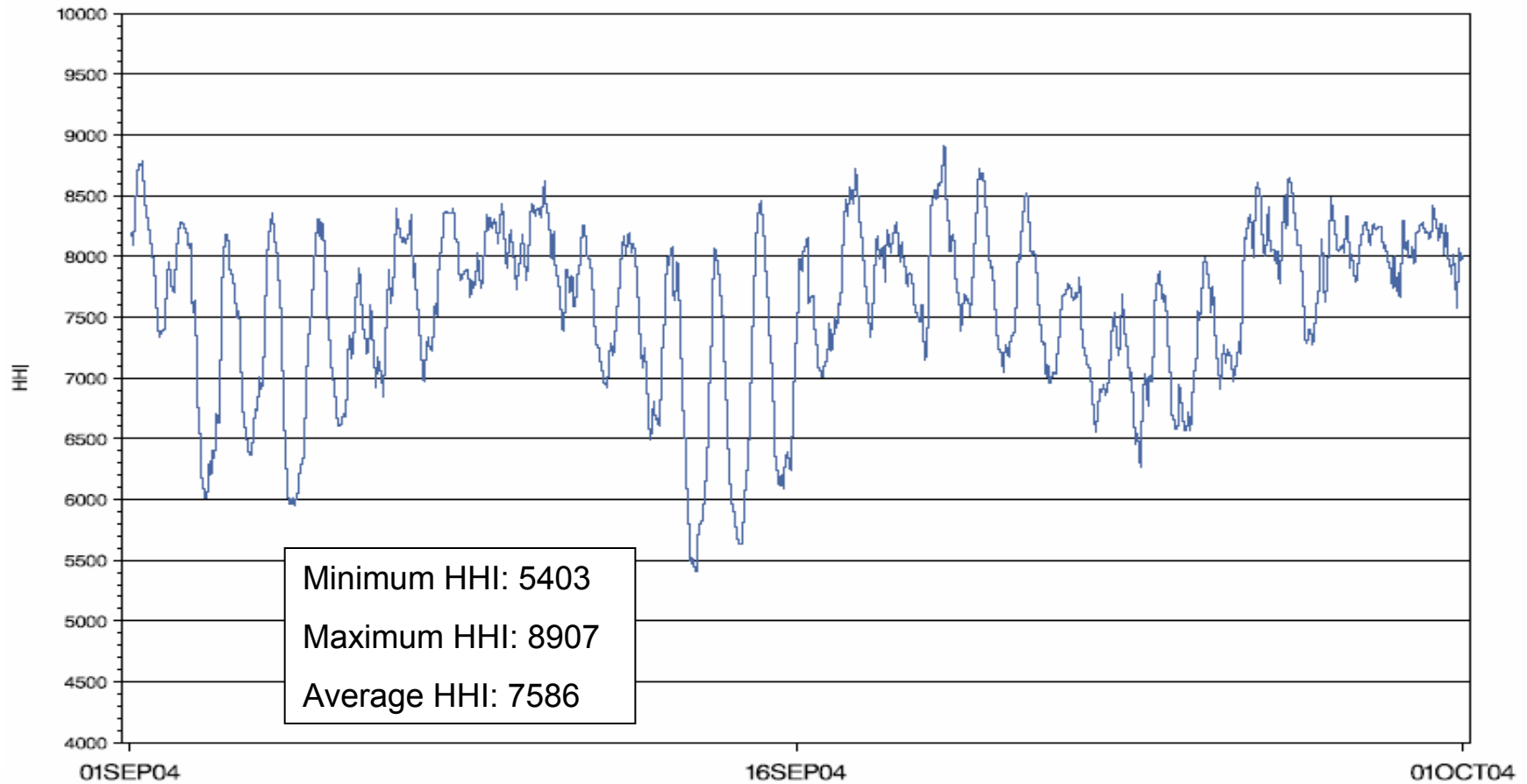


Capacity Market prices through September auctions

- Average capacity price per MW for the summer 2004 period was \$29.67.
- Average capacity price per MW for the fall 2004 period was \$24.50.
- 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 \$27.36.

- The NICA energy market had high HHIs (Herfindahl-Hirschman Index) during September.
 - 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 September.
 - 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.

NICA Hourly Energy Market HHI
September 2004



Note: Includes net imports



NICA Residual Supply Index – September 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
574	481	80%	67%	0.87	0.60