



Loop Flows

(Unscheduled flows)

MIC Meeting
April 25, 2006

Joe Bowring
Market Monitoring Unit

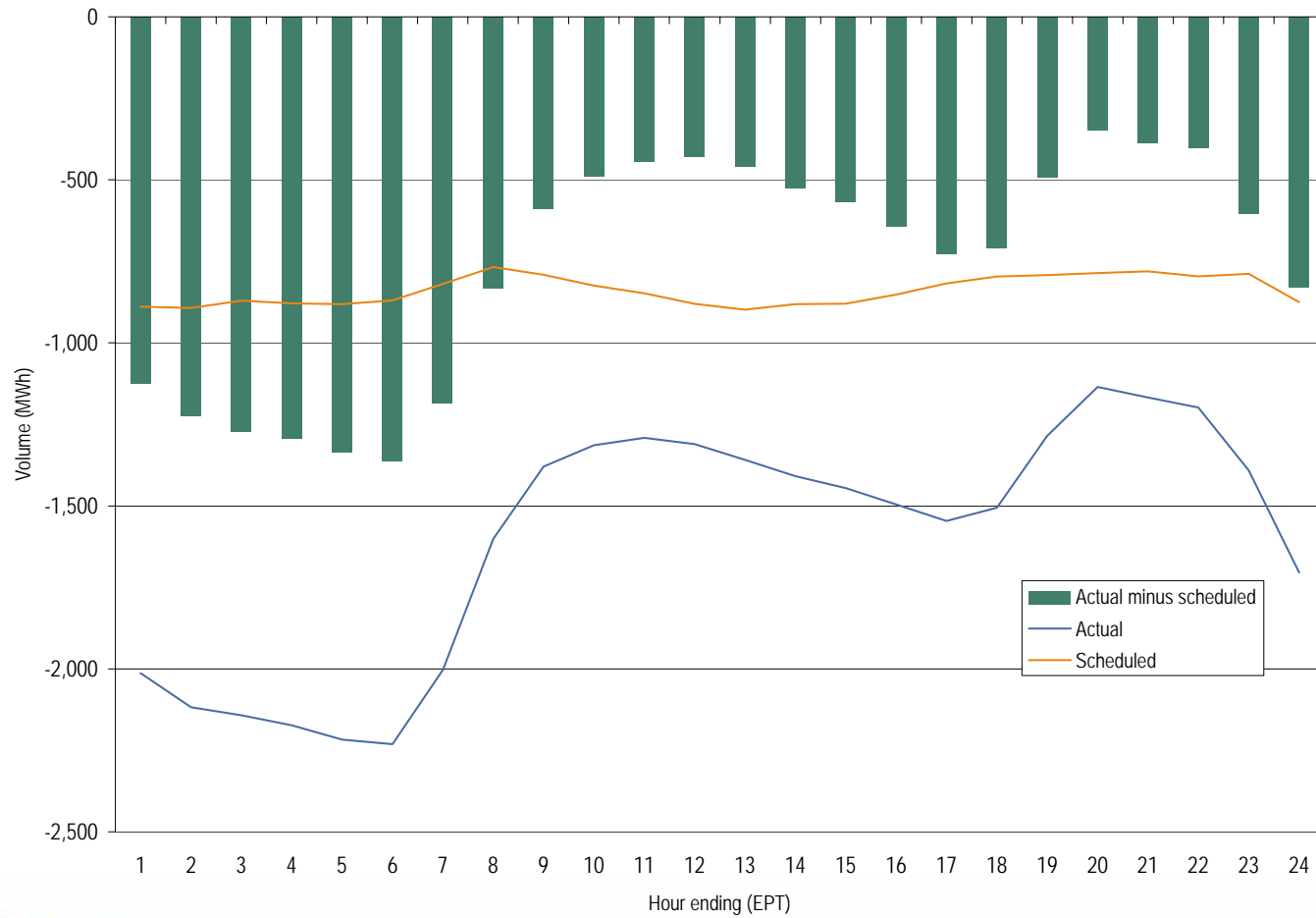
- PJM has seen large imbalances between scheduled and actual power flows – Issue raised in 2005 State of the Market Report
- The largest have been at the MECS and TVA interfaces
- The MECS differences are especially large during off peak hours
- Loop flow can be measured in magnitude and direction
- At the TVA interface scheduled and actual flows have been in opposite directions

- Phase 4 MECS off peak actual exports exceeded scheduled by 1,203 MW (average)
- In Phase 5 this increased to 1,926 MW
- Largely a result of changes (decreases) in scheduled flow, little change of actual flow
- On peak differences doubled from Phase 4 to Phase 5 (-541MW vs. -1,070MW)
- The trend remains the same so far in 2006. Actual exceed scheduled. (-1,565 MW vs. -152 MW)

- Scheduled and actual flows, at TVA, are often in opposite directions
- In Phase 4 average scheduled flow was -354 MW (export) while actual flow averaged 516 MW (import)
- In Phase 5 the pattern remained the same but the difference increased, scheduled -1,157 MW (export) and actual 36 MW (import)
- Directionality for JAN06 same as 2005
- Directionality for FEB06 and MAR06 changed (actual and scheduled are same direction but large differences persist; 8 MW actual vs. -1,259 MW scheduled average over 3 month period)

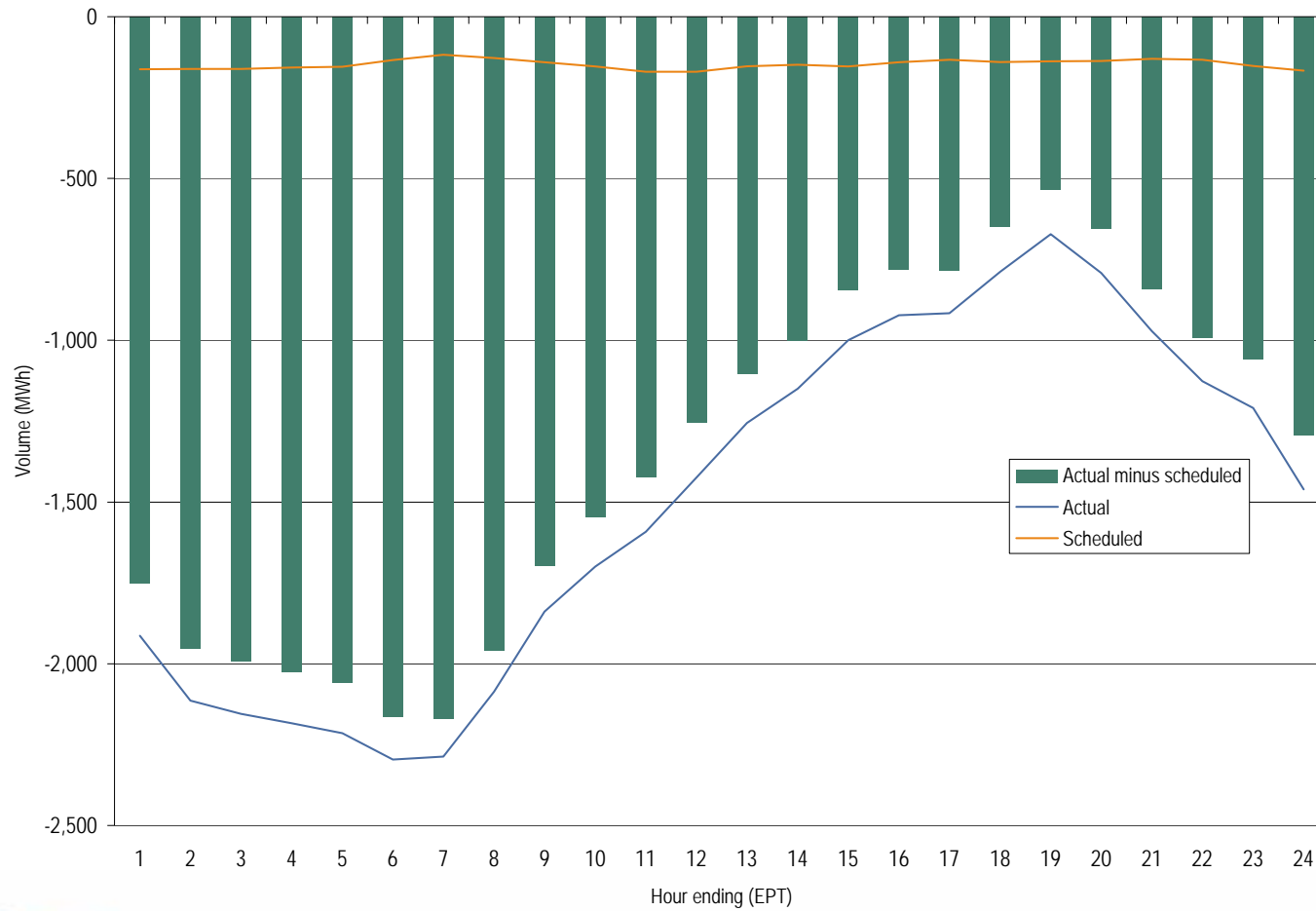
PJM/MECS interface

average actual minus scheduled volume: Phase 4



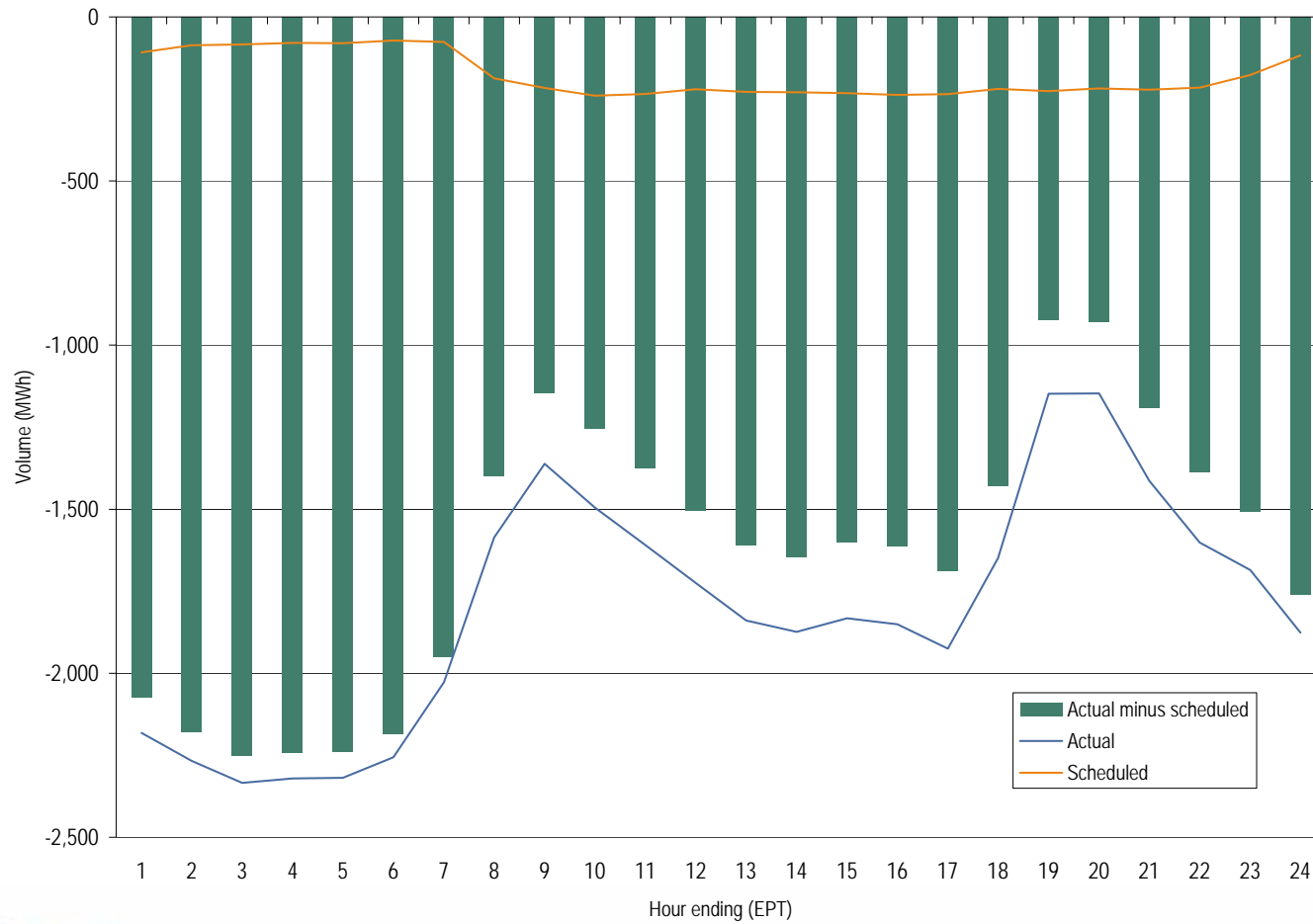
PJM/MECS interface

average actual minus scheduled volume: Phase 5



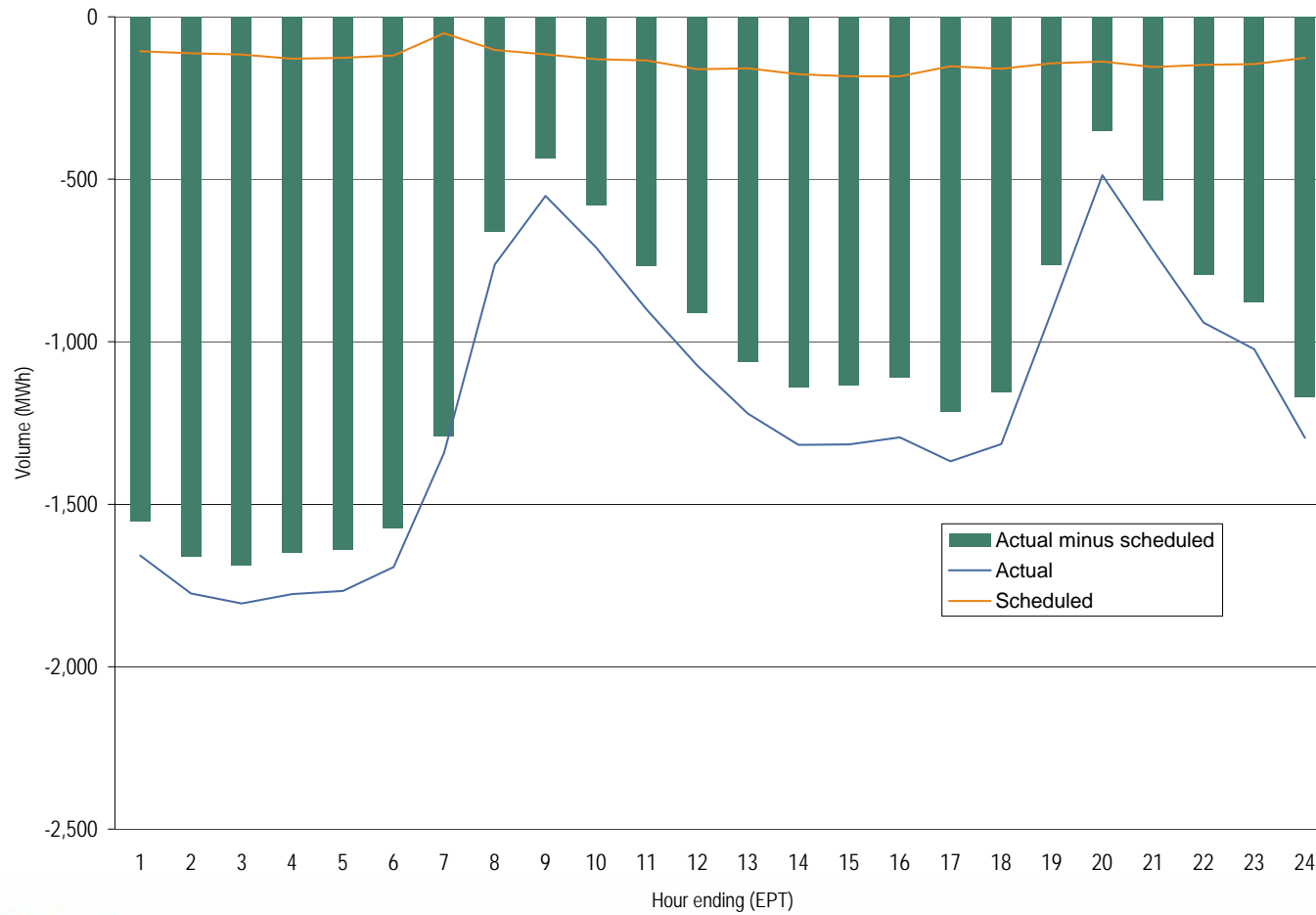
PJM/MECS interface

average actual minus scheduled volume: JAN06



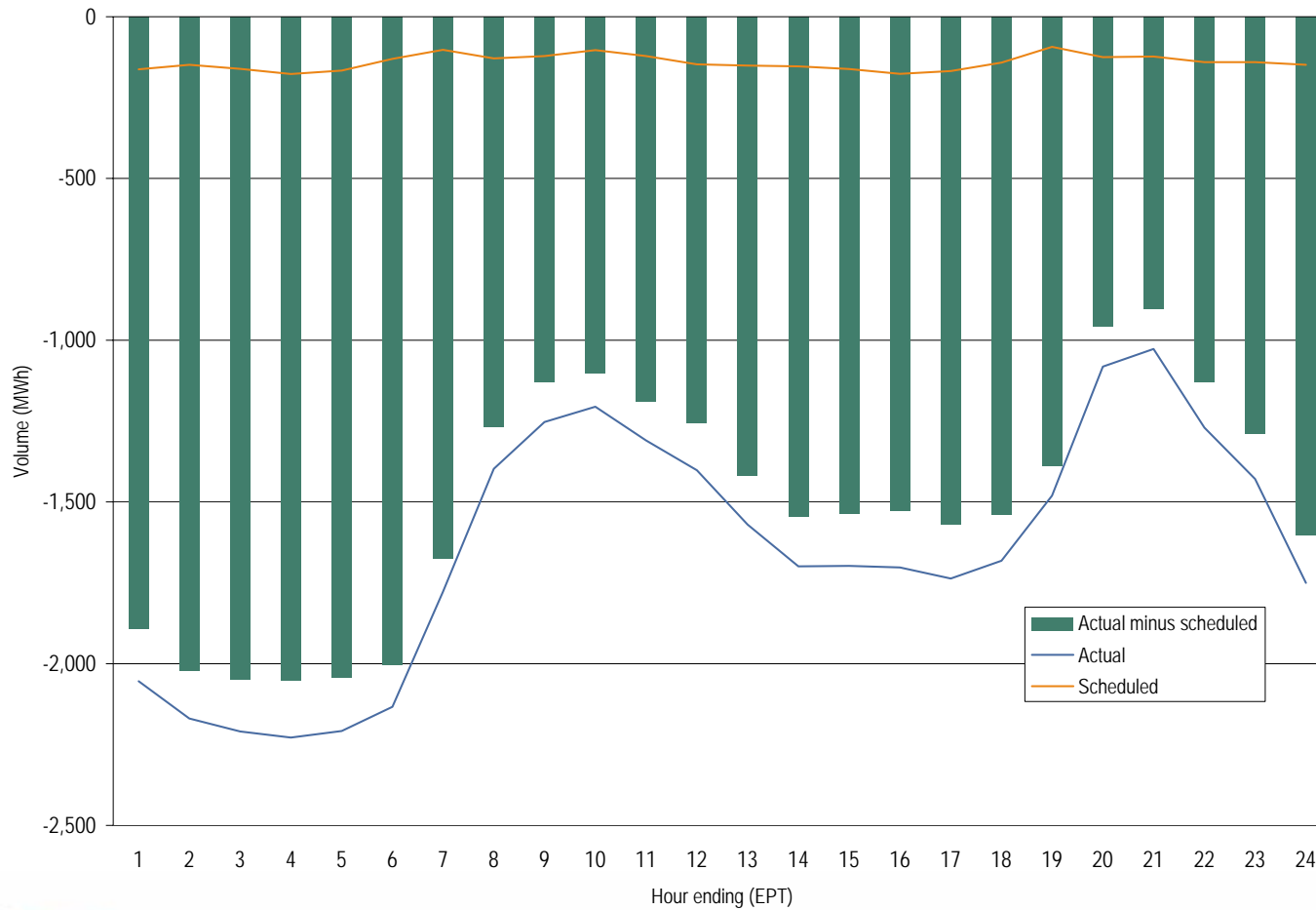
PJM/MECS interface

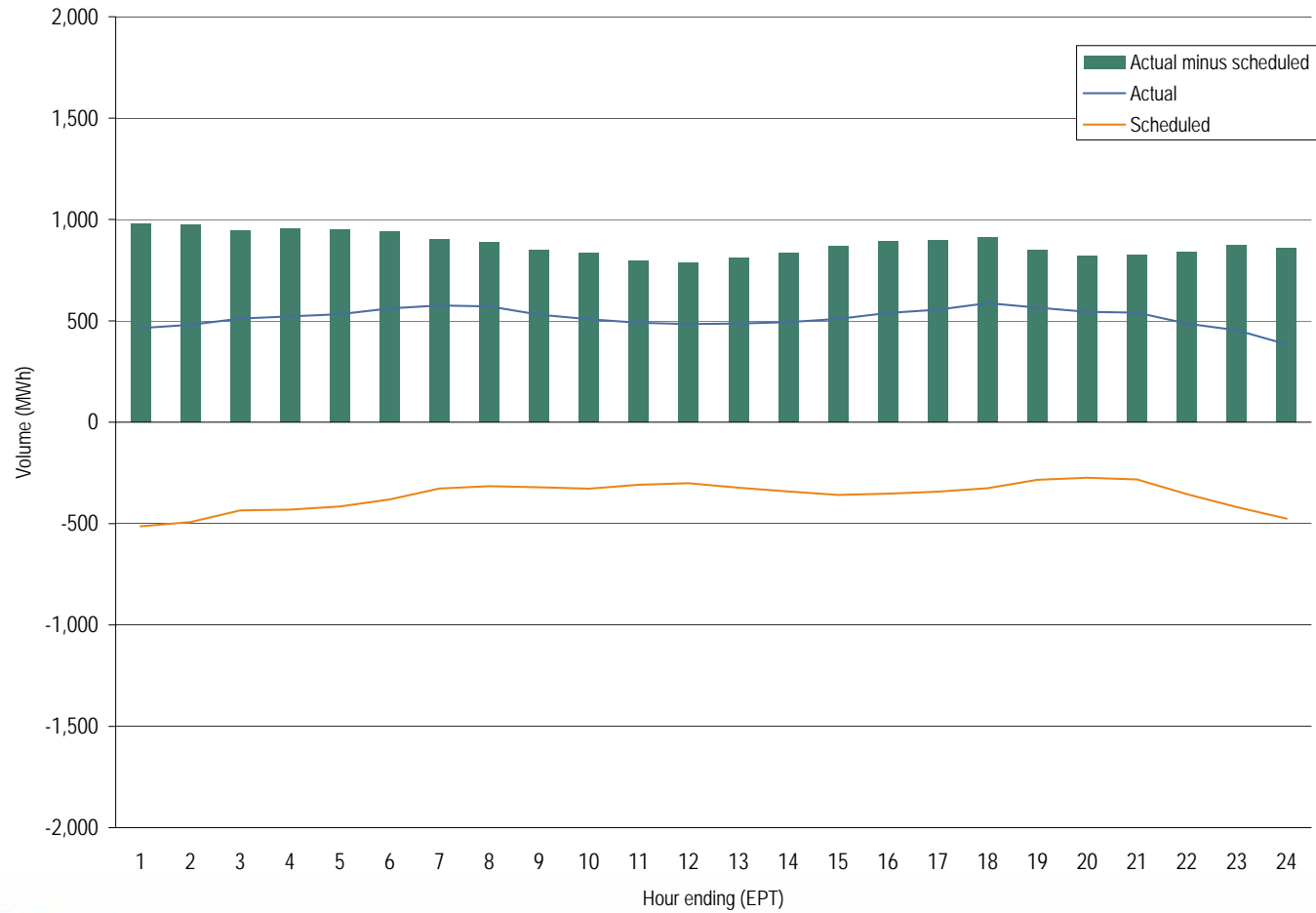
average actual minus scheduled volume: FEB06

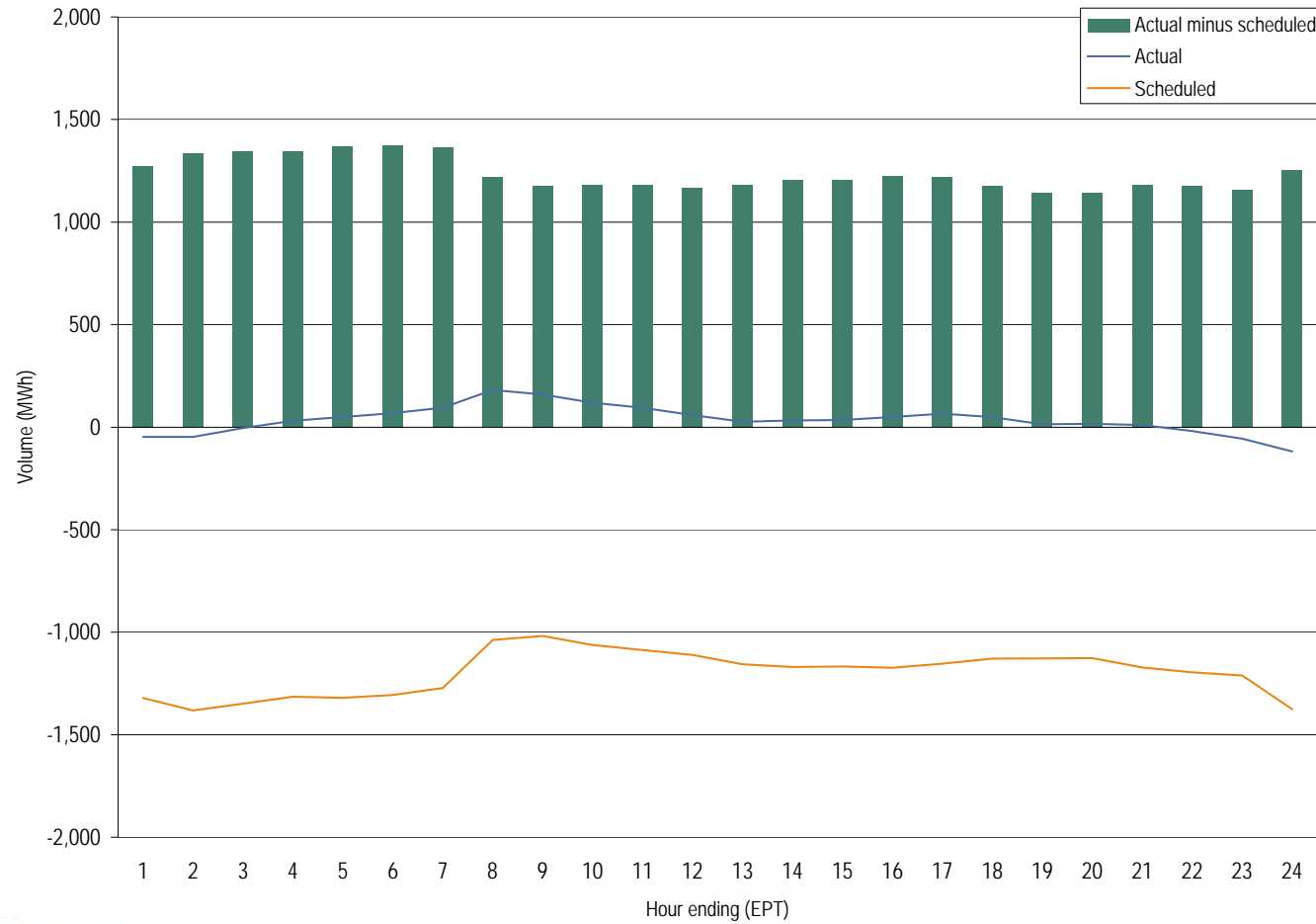


PJM/MECS interface

average actual minus scheduled volume: MAR06









PJM/TVA average flows: JAN06

