

# MARKET SURVEILLANCE COMMITTEE

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## Normalized net load errors

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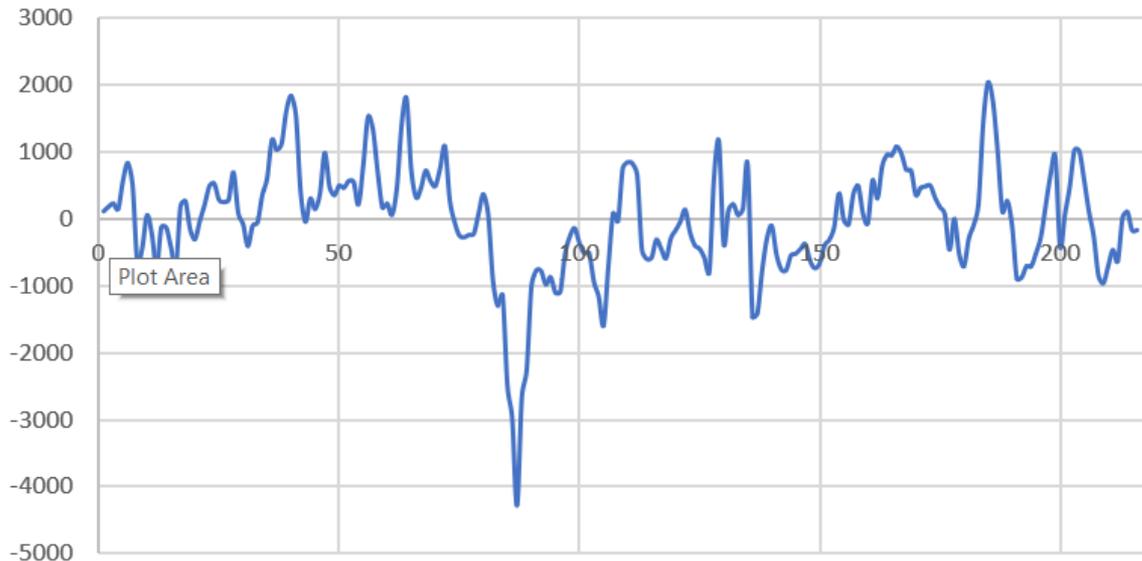
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WESTERN ENERGY IMBALANCE MARKET

## Normalized net load errors CAISO: March 1-9, 2023: Shows tendency for error signs to persist (E.g., Hours 24-72, or 72-96)



Autocorrelations: 1-hr lag (0.82); 2-hr lag (0.62); 4-hr lag (0.36); 8-hr lag (0.20)

- Hourly Net Load = Load – (Wind + Solar)
- Source: OASIS: Difference between
  - Day-Ahead L-(W+S) and RTPD L – Actual(W+S)
- Note: errors normalized so each hour (1-24) has zero mean error
- Note: Actual Load not used because it includes storage charging
- Note: Results may be very different for other months

B.F. Hobbs, 3/10/2023, revised 3/14/2023