Normalized net load errors

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

• 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

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

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