



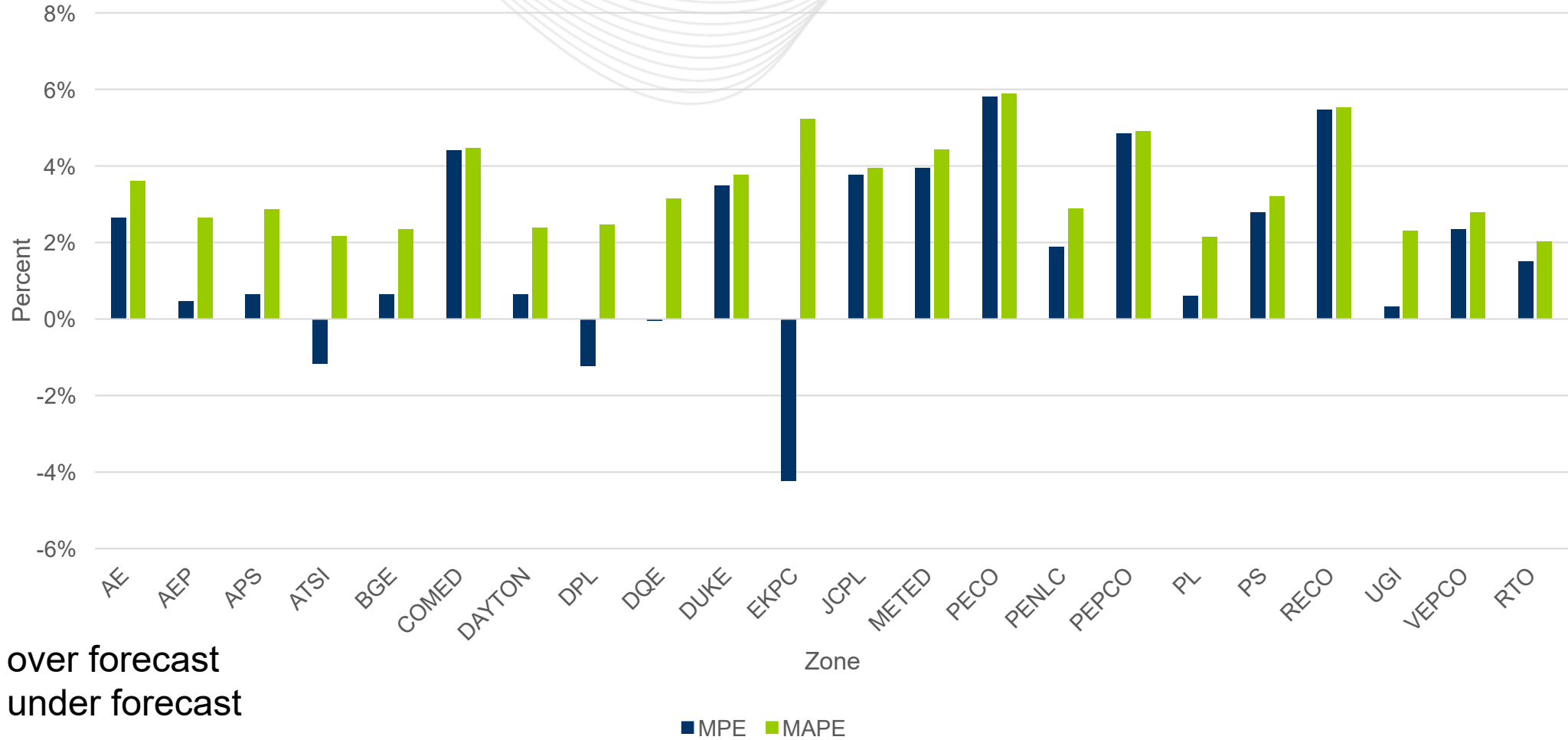
Forecast vs Actual Fall & Winter 23-24

Patrick Cobb

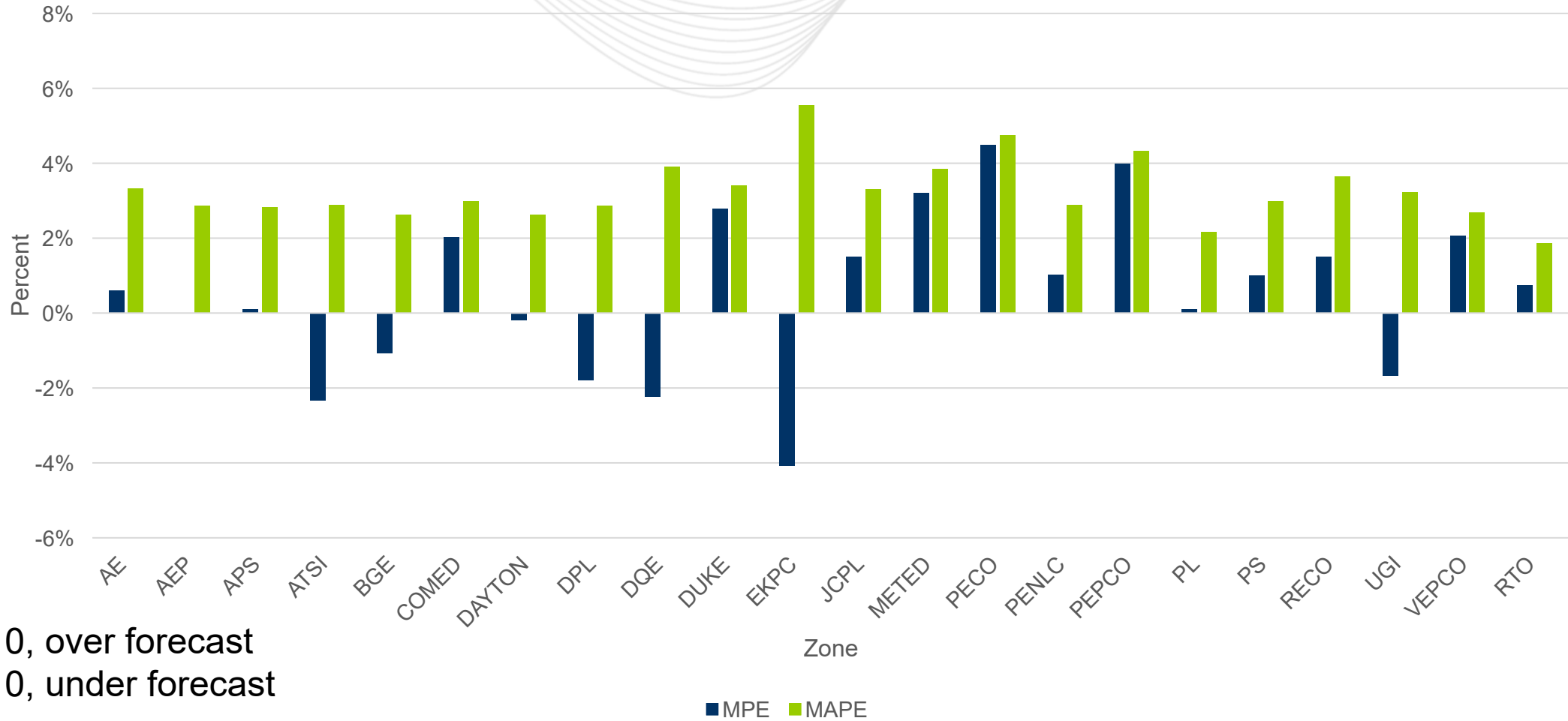
Resource Adequacy Planning

- Actual weather from September 2023 through February 2024 was run through the 2024 Load Forecast Model
- Results were compared to observed loads to determine forecast accuracy
 - RTO Daily Peak Mean Percent Error (MPE): 0.96%
 - RTO Daily Peak Mean Absolute Percent Error (MAPE): 1.78%
 - RTO Hourly MPE: 0.7%
 - RTO Hourly MAPE: 1.9%

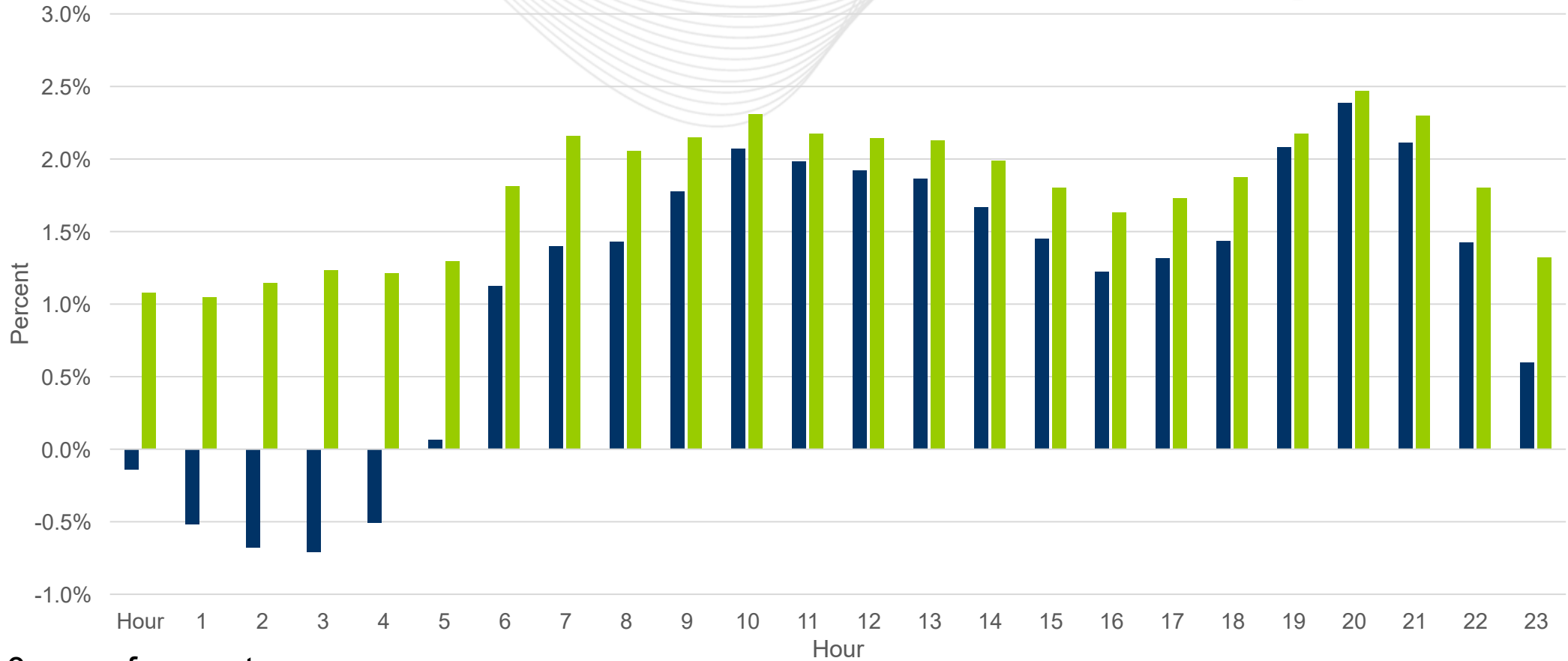
MPE & MAPE by Zone, Peak Hours September 2023-February 2024



MPE & MAPE by Zone, All Hours September 2023-February 2024



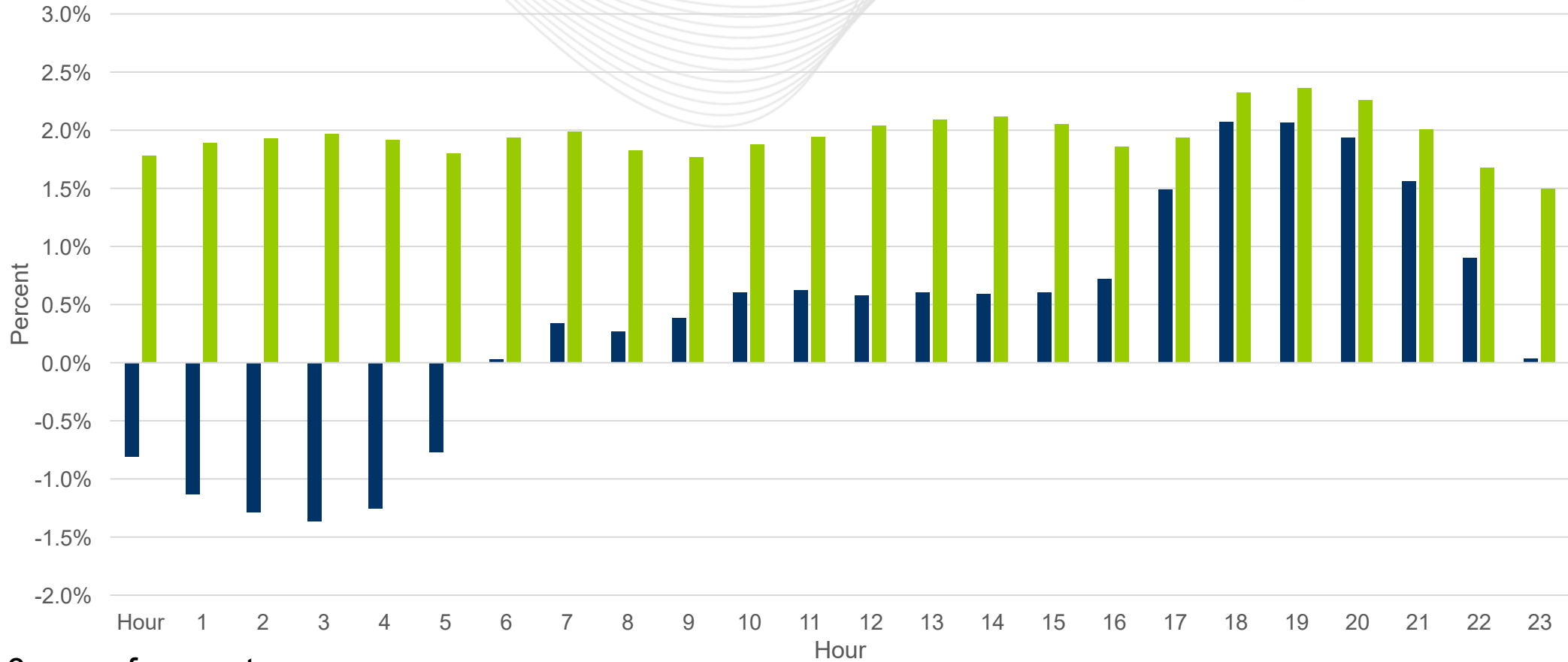
MPE & MAPE by Hour Fall 2023



MPE > 0, over forecast
 MPE < 0, under forecast

■ MPE ■ MAPE

MPE & MAPE by Hour Winter 2023/2024



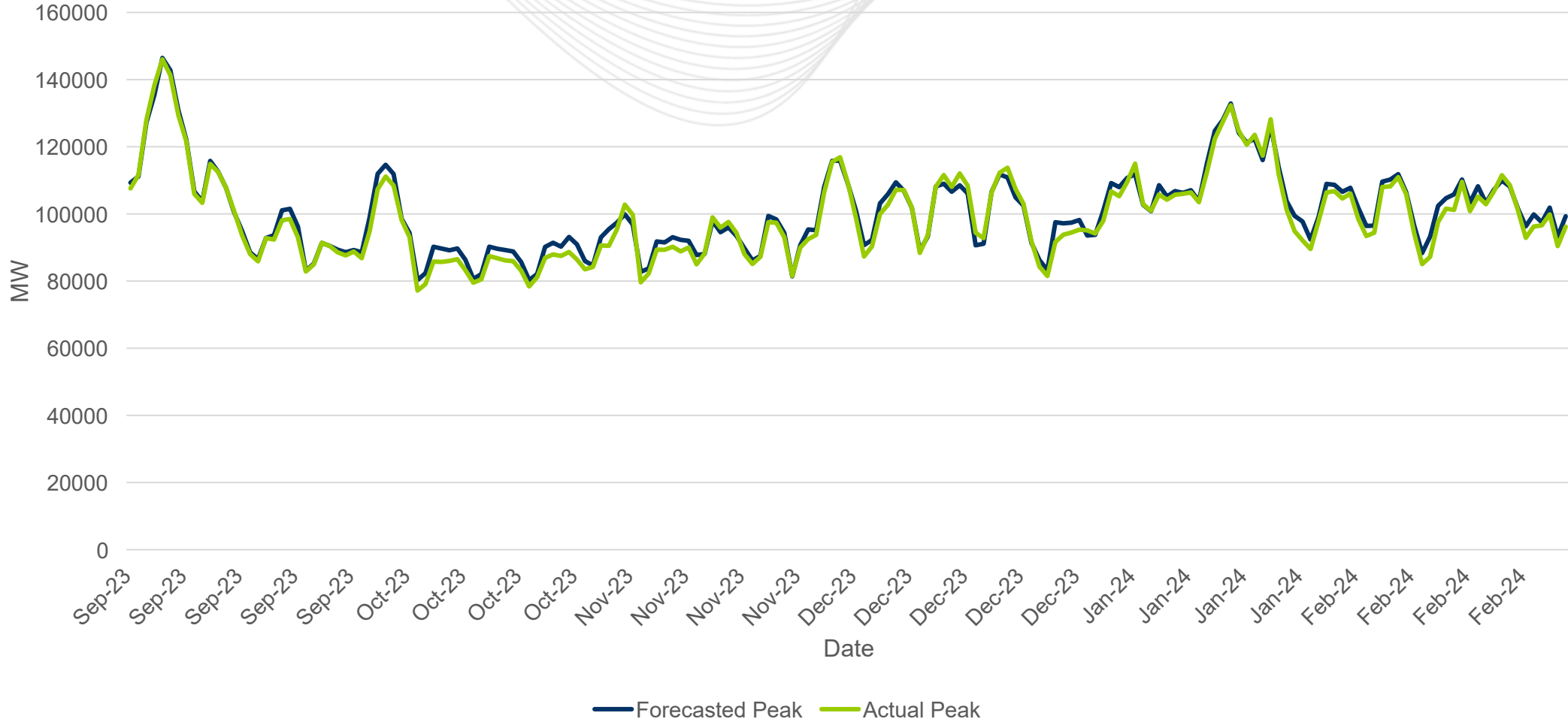
MPE > 0, over forecast
MPE < 0, under forecast

■ MPE ■ MAPE



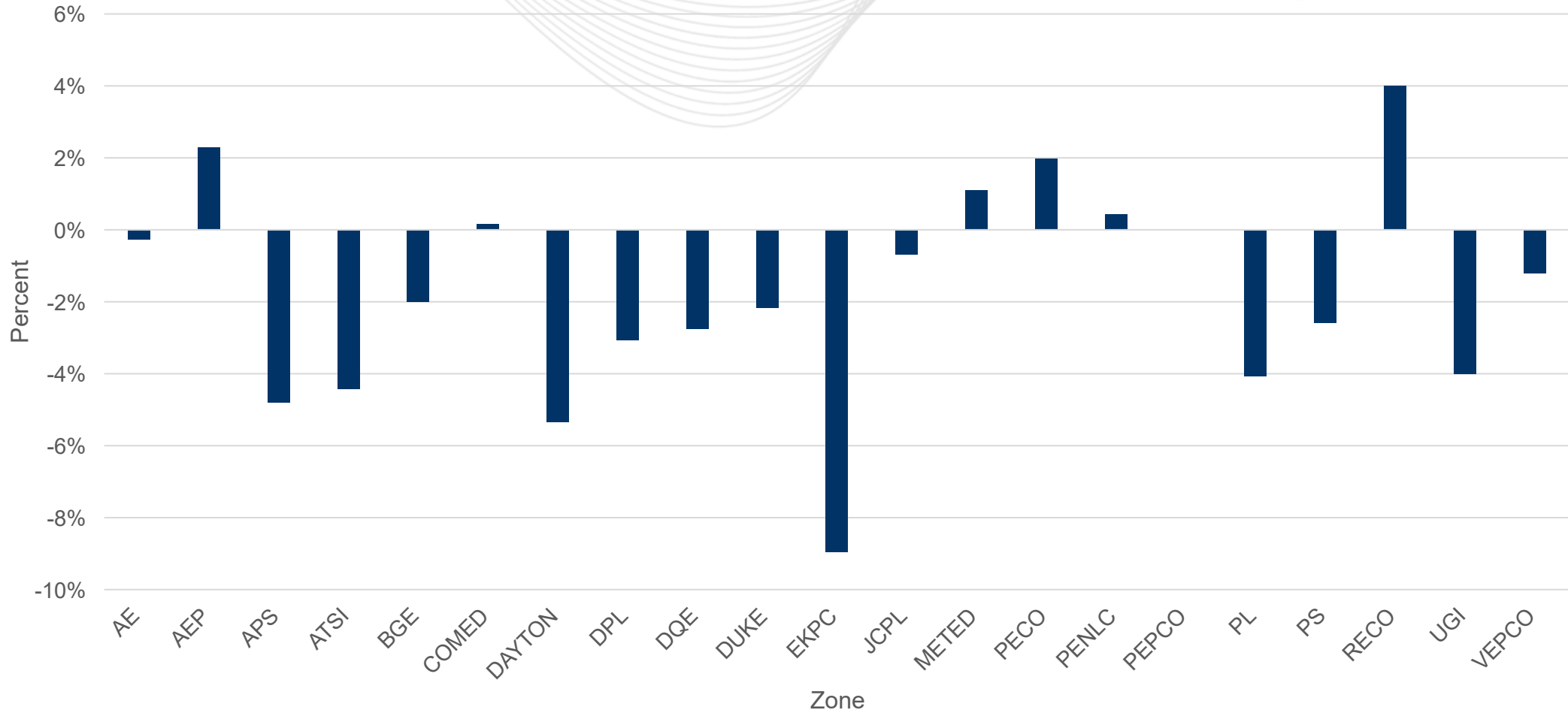
RTO Daily Peaks Forecast vs Actual

Daily Peaks September 2023-February 2024



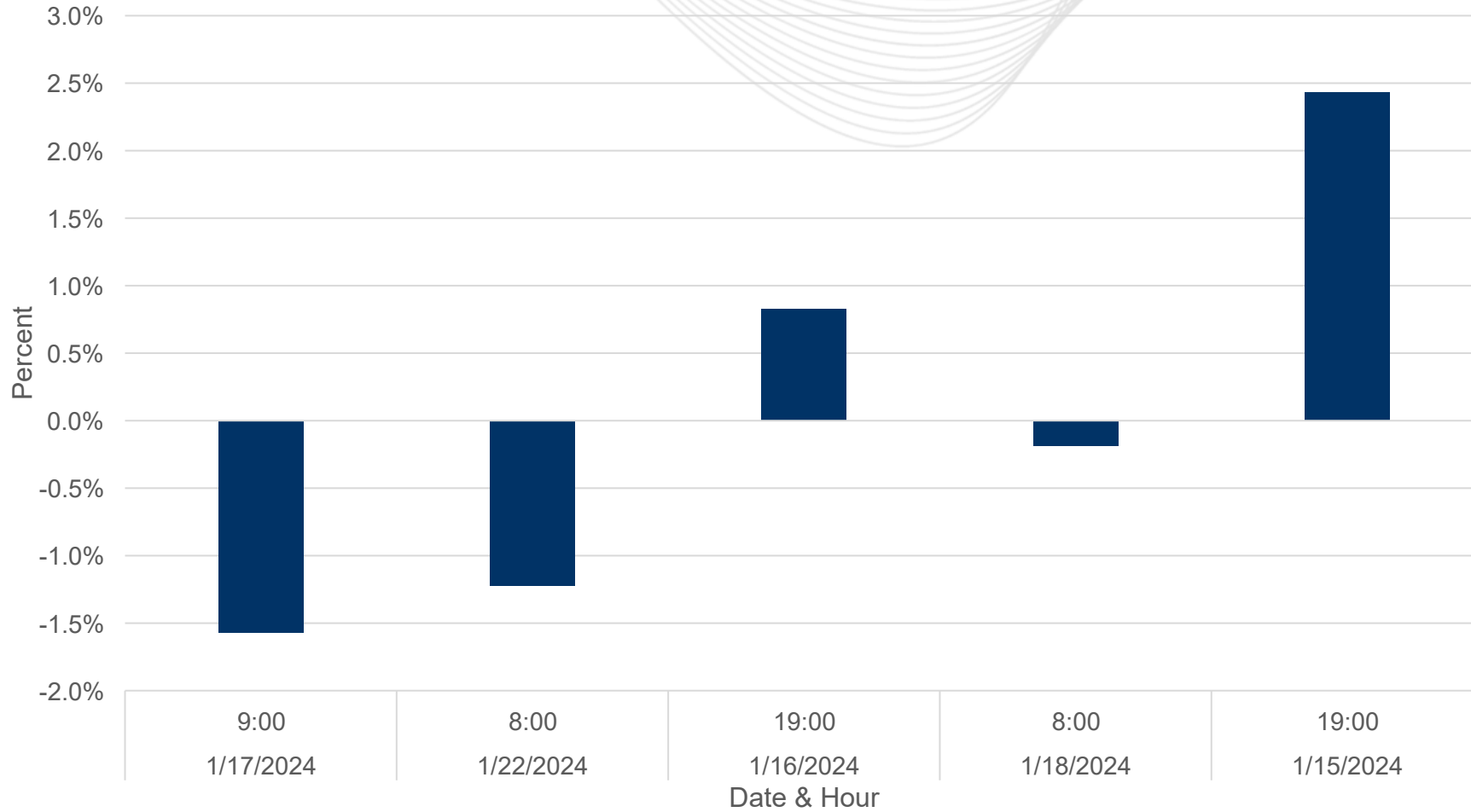
Zonal Winter Peaks Forecast vs Actual

Percent Difference Forecast vs Actual Zonal Winter Peaks



5 Coincident Peak (5CP) Comparison

5CP Percent Difference Forecast vs Actual



MPE: 0.06%

MAPE: 1.25%

SME/Presenter:
Patrick Cobb
load_analysis_team@pjm.com

Forecast with Actual Weather



Member Hotline

(610) 666-8980

(866) 400-8980

custsvc@pjm.com

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