

Winter Loads in 2025 Long-Term Load Forecast

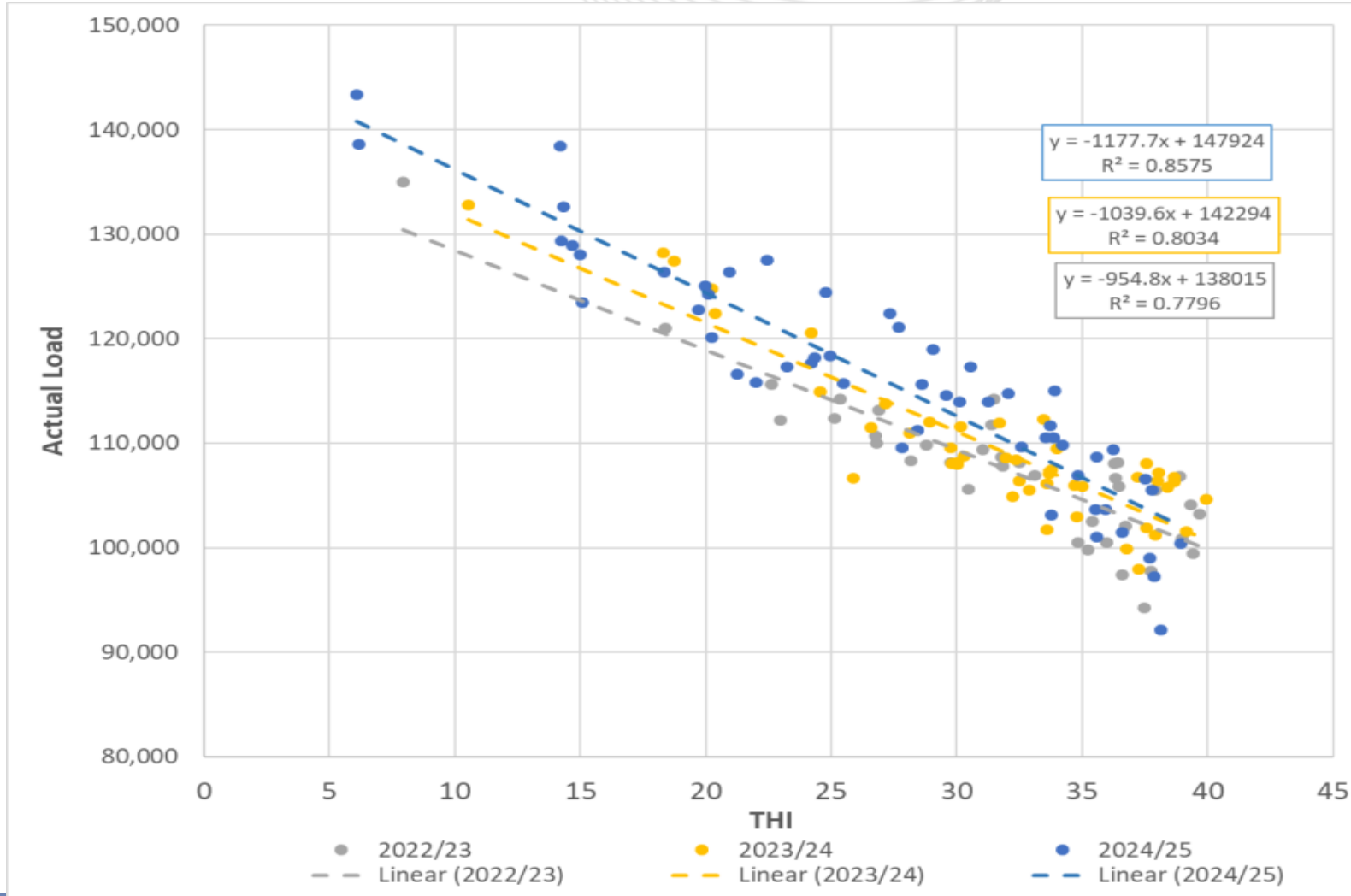
Molly Mooney

Resource Adequacy Planning

ELCC Senior Task Force

April 3, 2025

Weekday Peak Loads on days above 40 THI



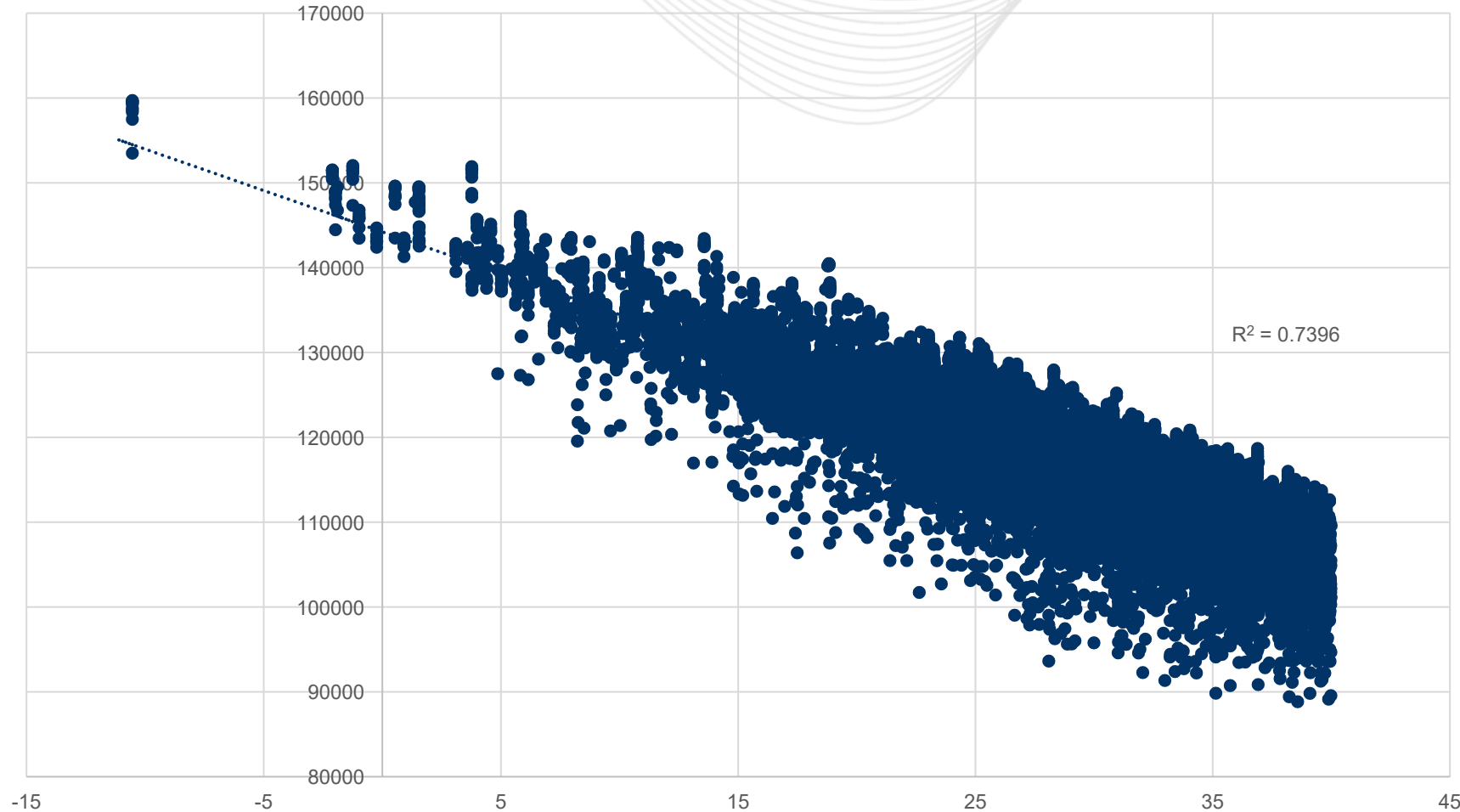
Load/Weather

Historical

The average MW per degree over the last three winters (22/23, 23/24, 24/25) is:
~1,050 MW

2025 Load Forecast Weekday Peaks – 2024/25 Winter

Winter 24/25 Weekday Scenarios



Load/Weather

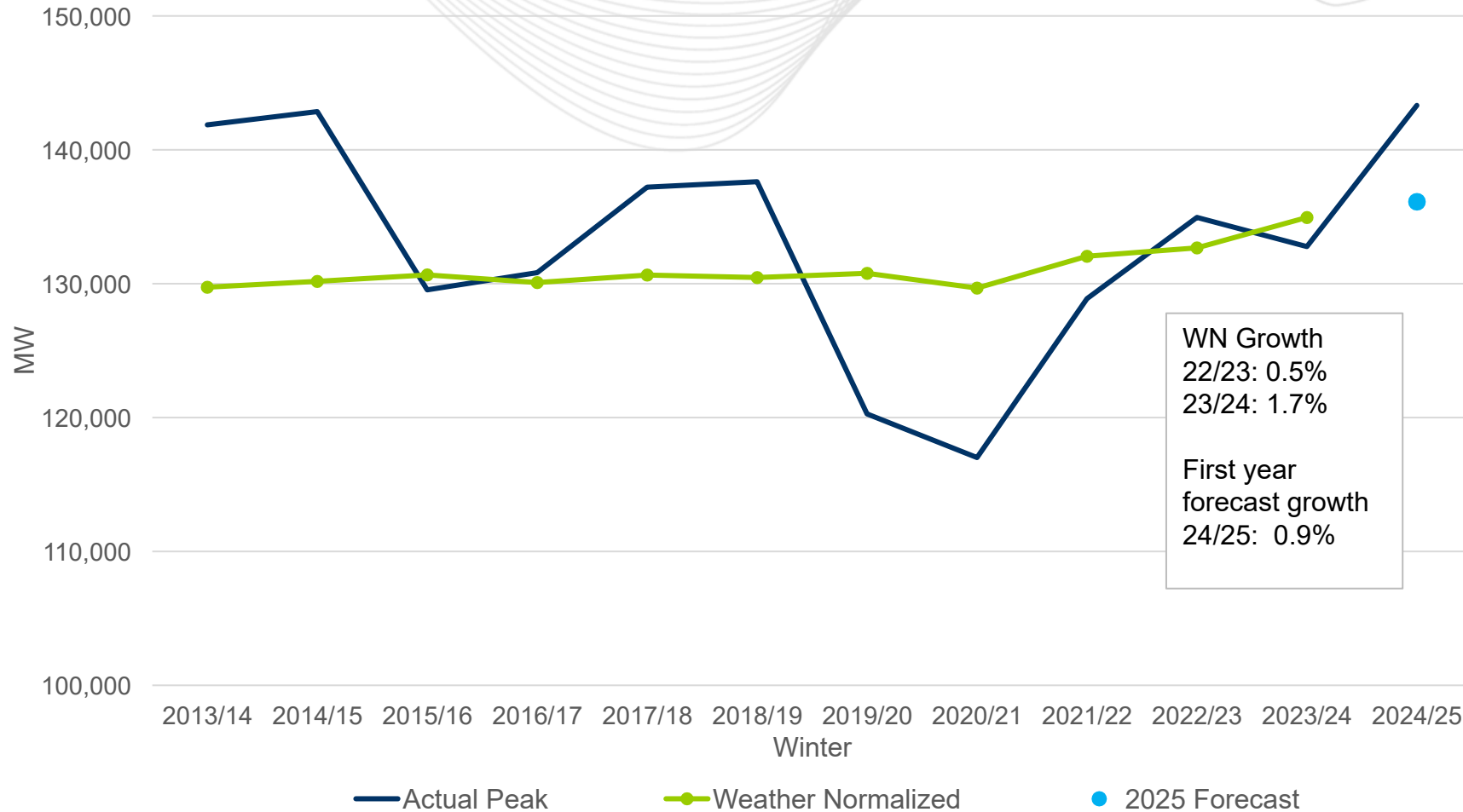
Historical

The average MW per degree over the last three winters (22/23, 23/24, 24/25) is:
~1,050 MW

Forecast

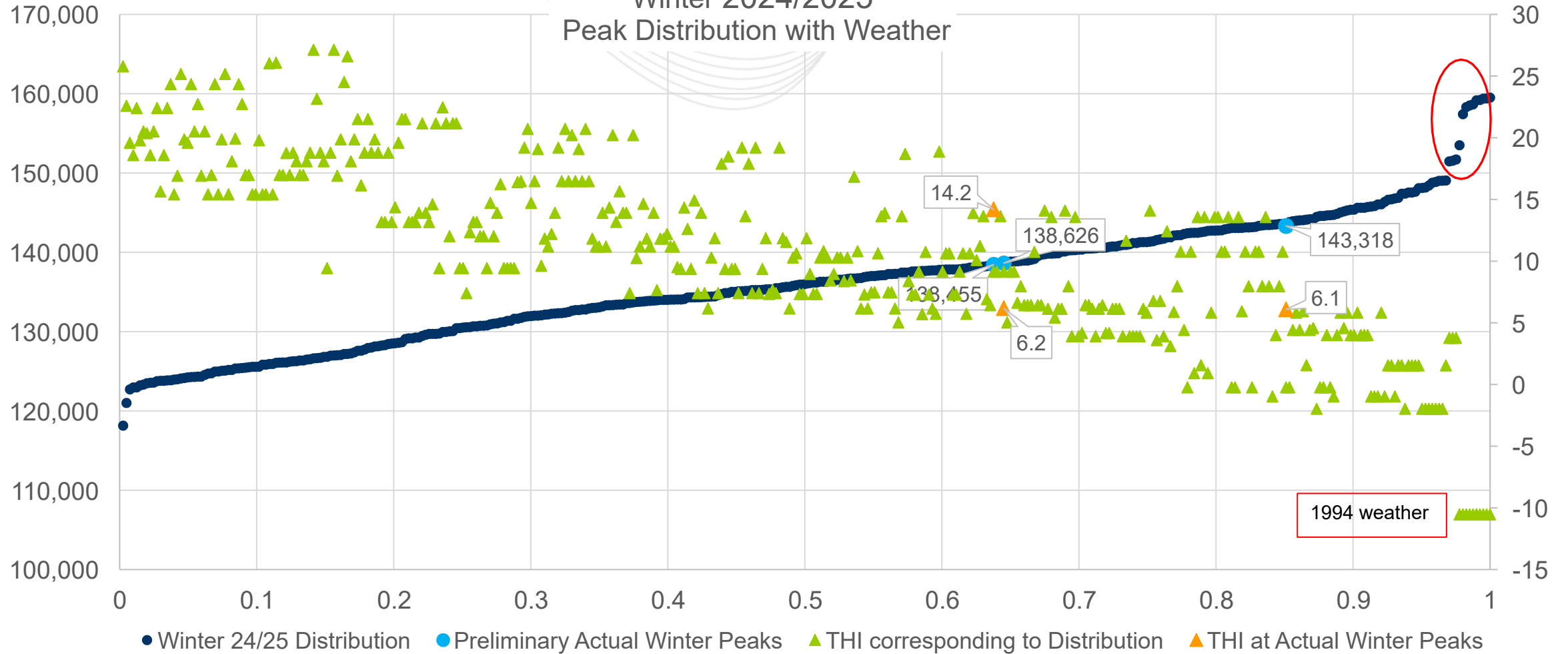
The average MW per degree in the 2025 Load Forecast for 24/25 winter is:
~975 MW

Historical Winter Peaks and Weather Normalized

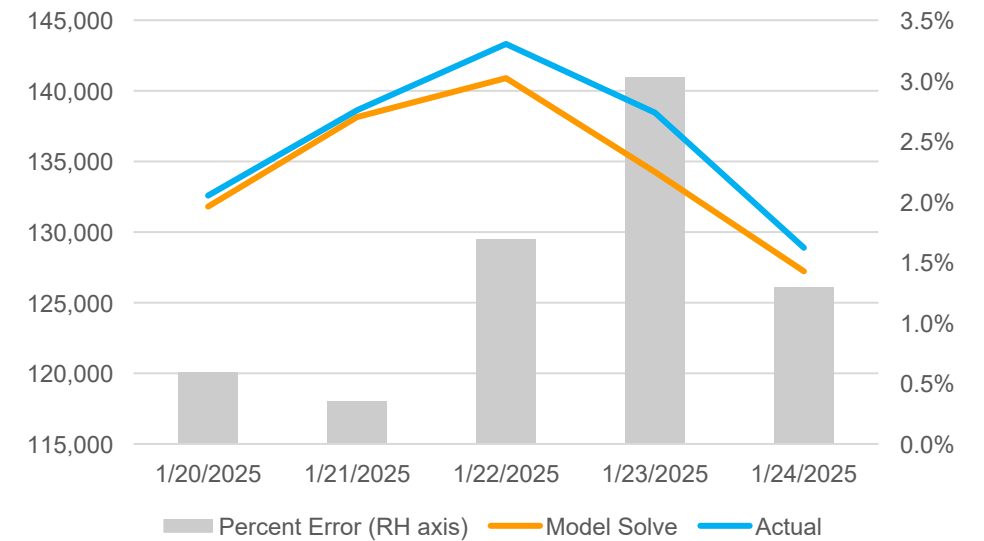
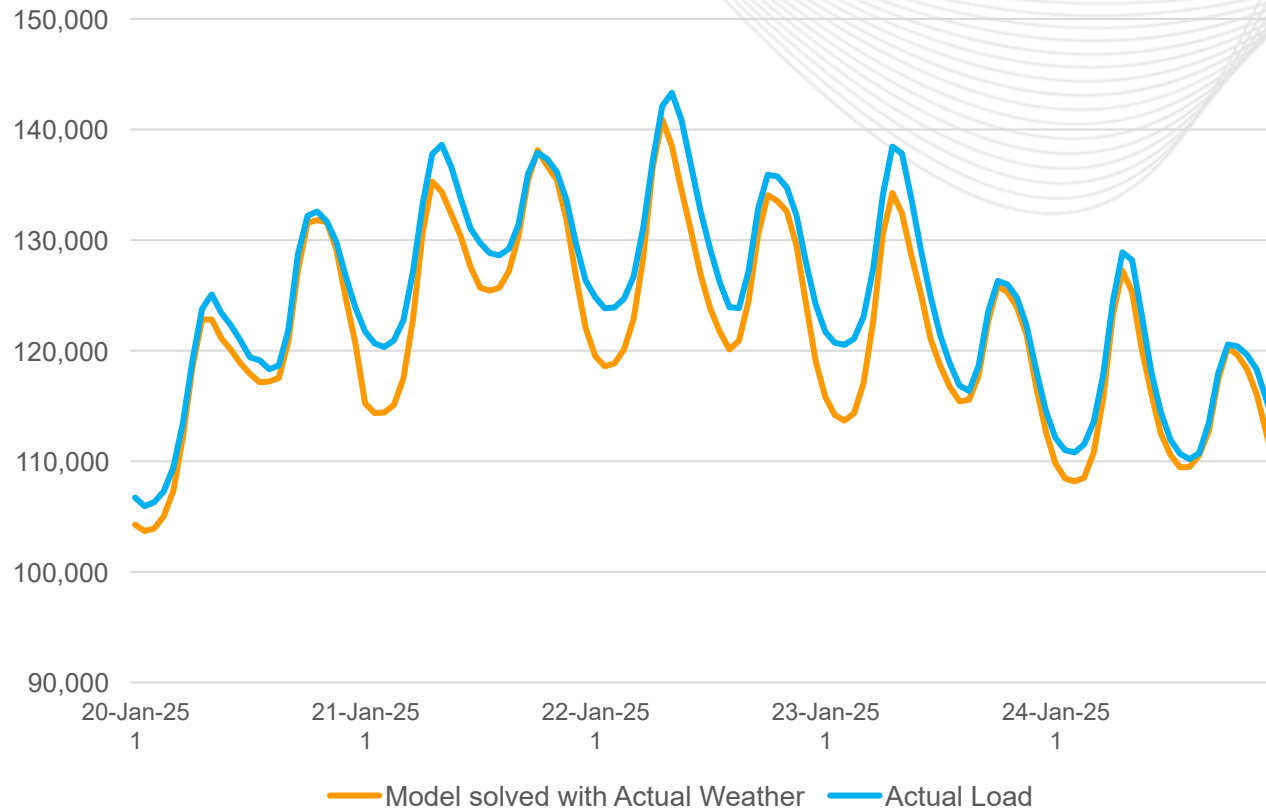


Winter 2024/2025 – 2025 Forecast Distribution

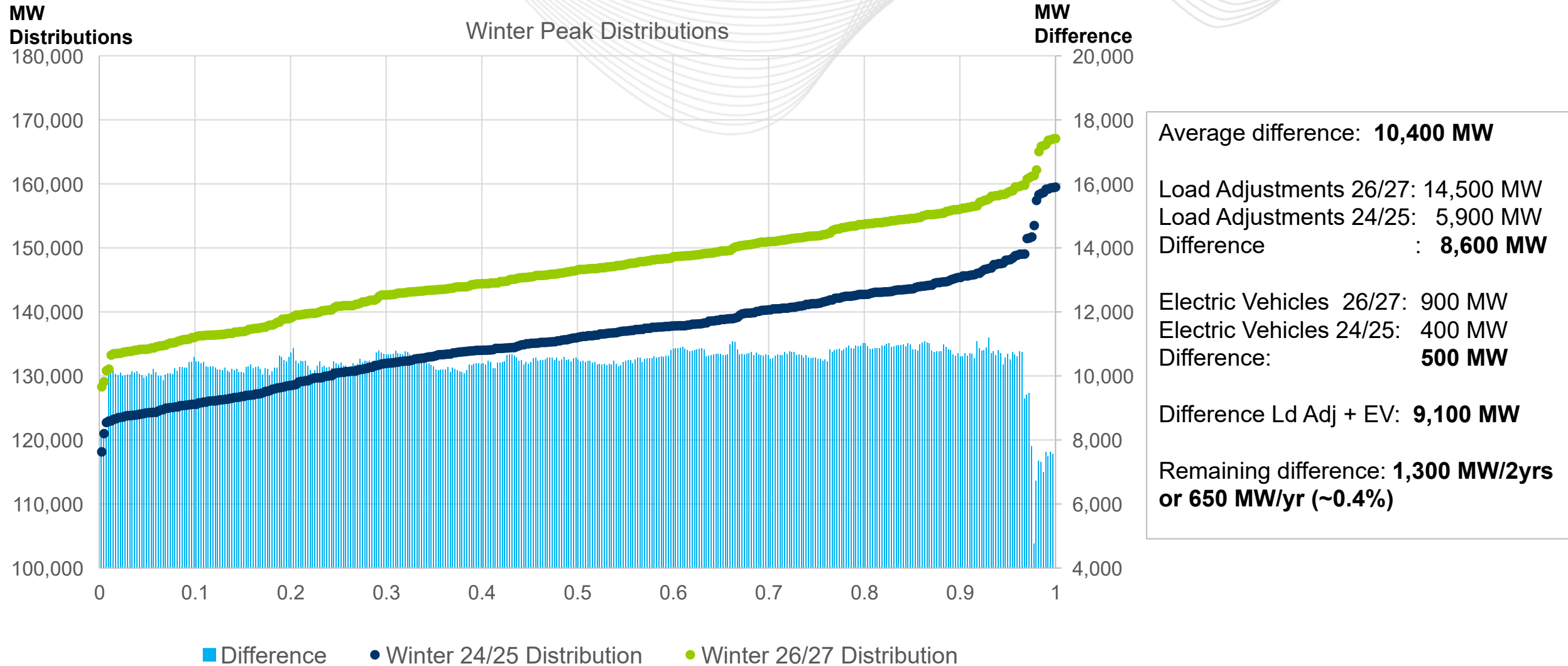
Winter 2024/2025
Peak Distribution with Weather



Accuracy January 2025 – Model vs. Actual



Winter 24/25 and 26/27 Distributions



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Winter Loads in 2025 Long-Term Load Forecast



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