M&V Sample Report

Prepared for Coastline Regional Hospital

February 2026

W74 Ventures

Summary

Following the installation of a high-efficiency Ground Source Heat Pump (GSHP) system at the Coastline Regional Hospital, a comprehensive M&V analysis using IPMVP Option C methodology was conducted.

$405k

Annual utility savings

45%

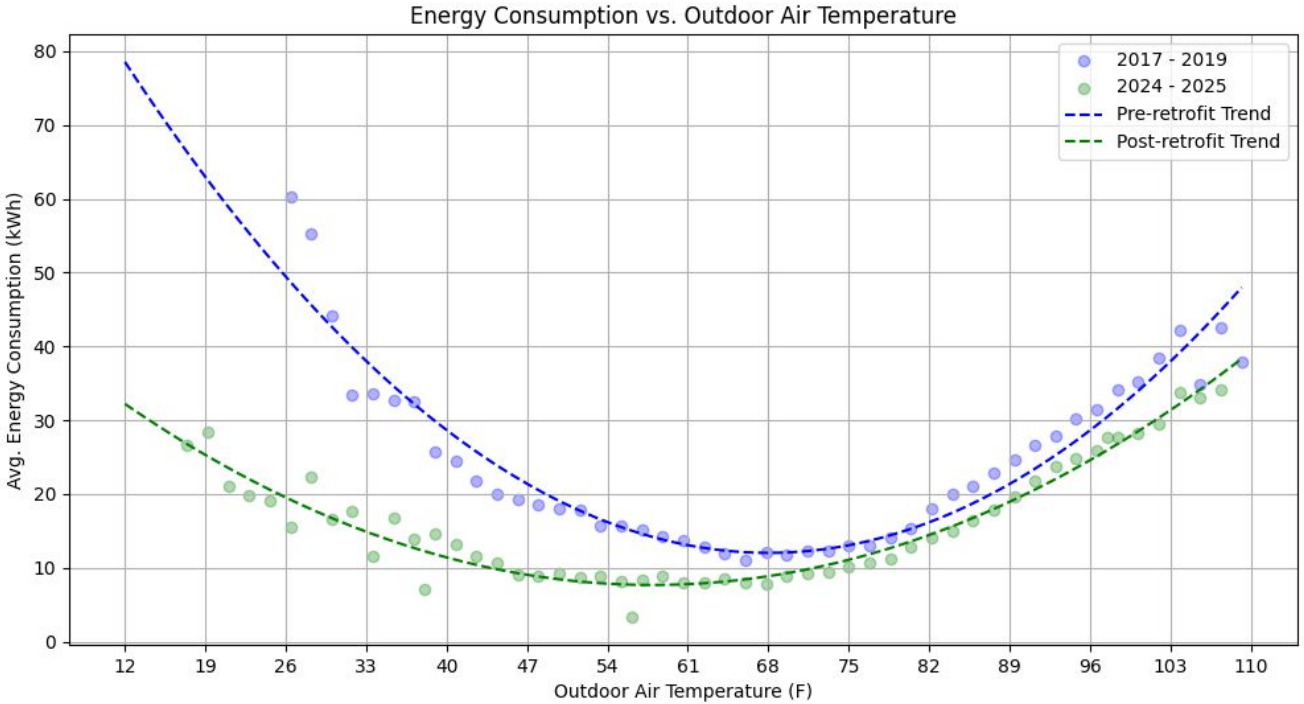
HVAC energy reduction

20%

Total facility energy reduction

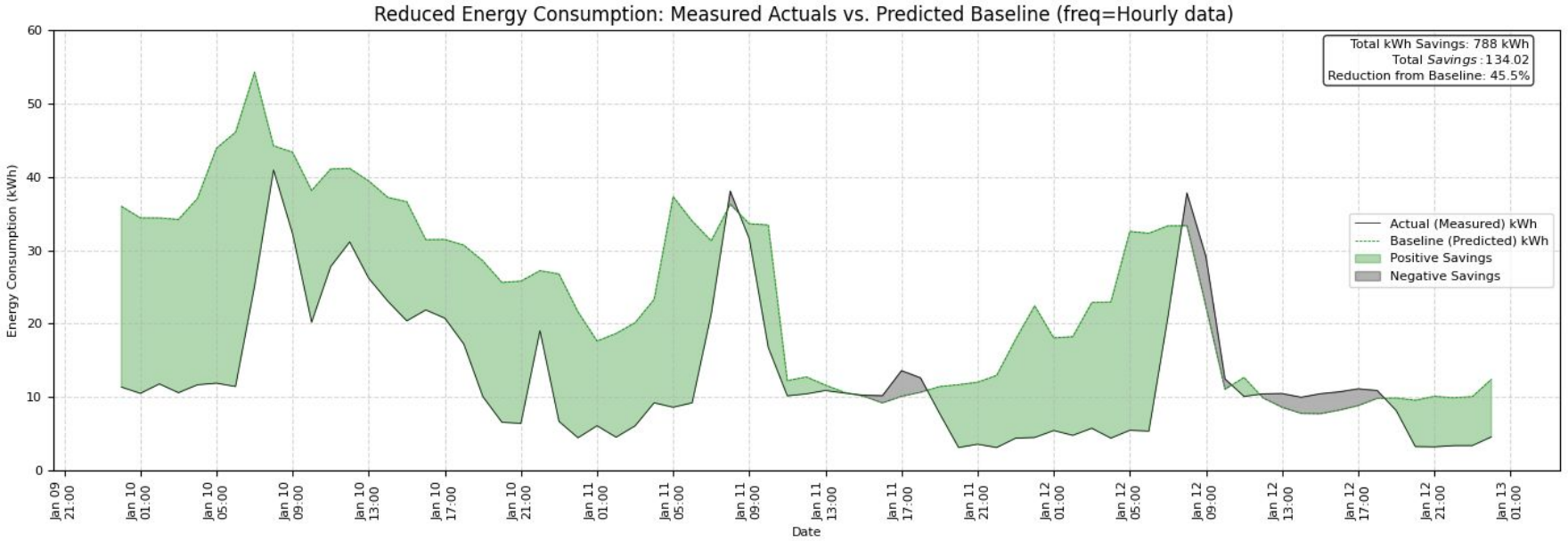
Energy Consumption vs. Outside Air Temperature

Post-retrofit energy use is consistently lower across a range of outdoor air temperatures. The flatter post-retrofit trend indicates more energy-efficient operations, particularly during warm & cold periods.



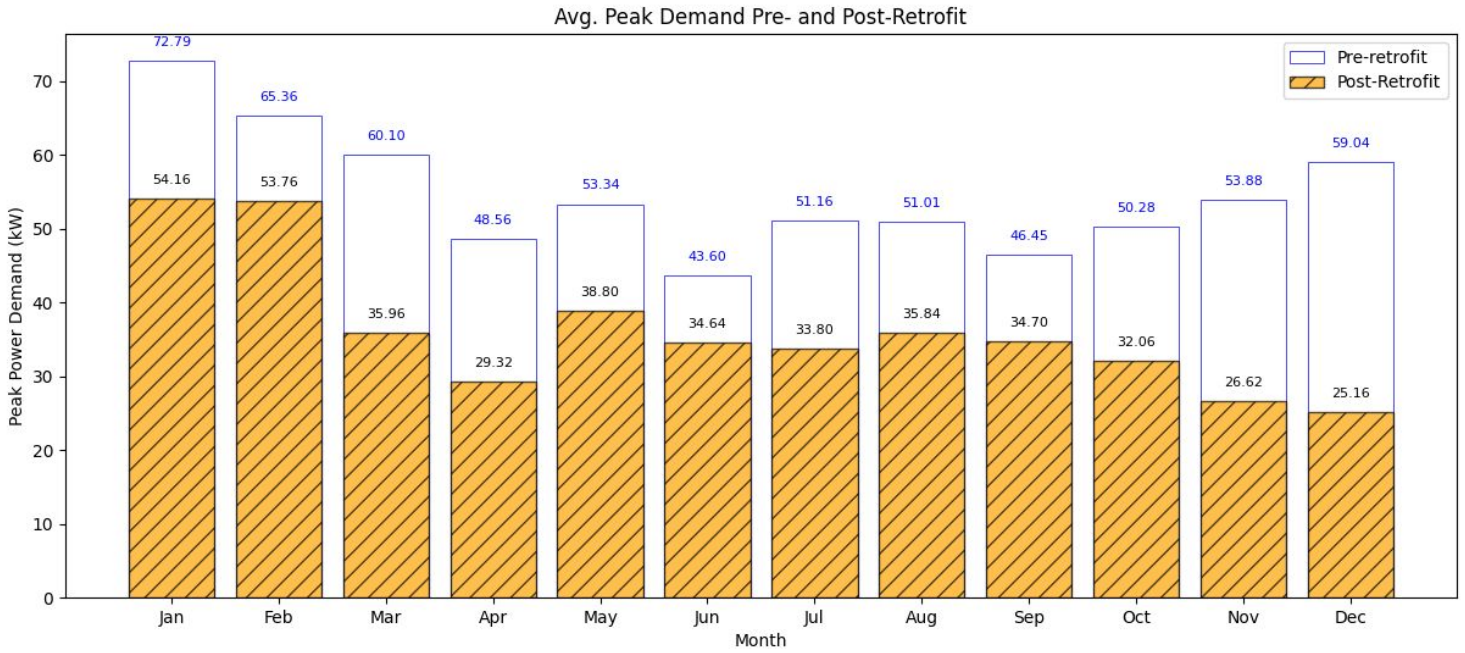
Whole-building M&V Snapshot

Visualization of the business as usual energy consumption (baseline) vs. the measured utility consumption showing a significant reduction in energy usage from a sample period in January.



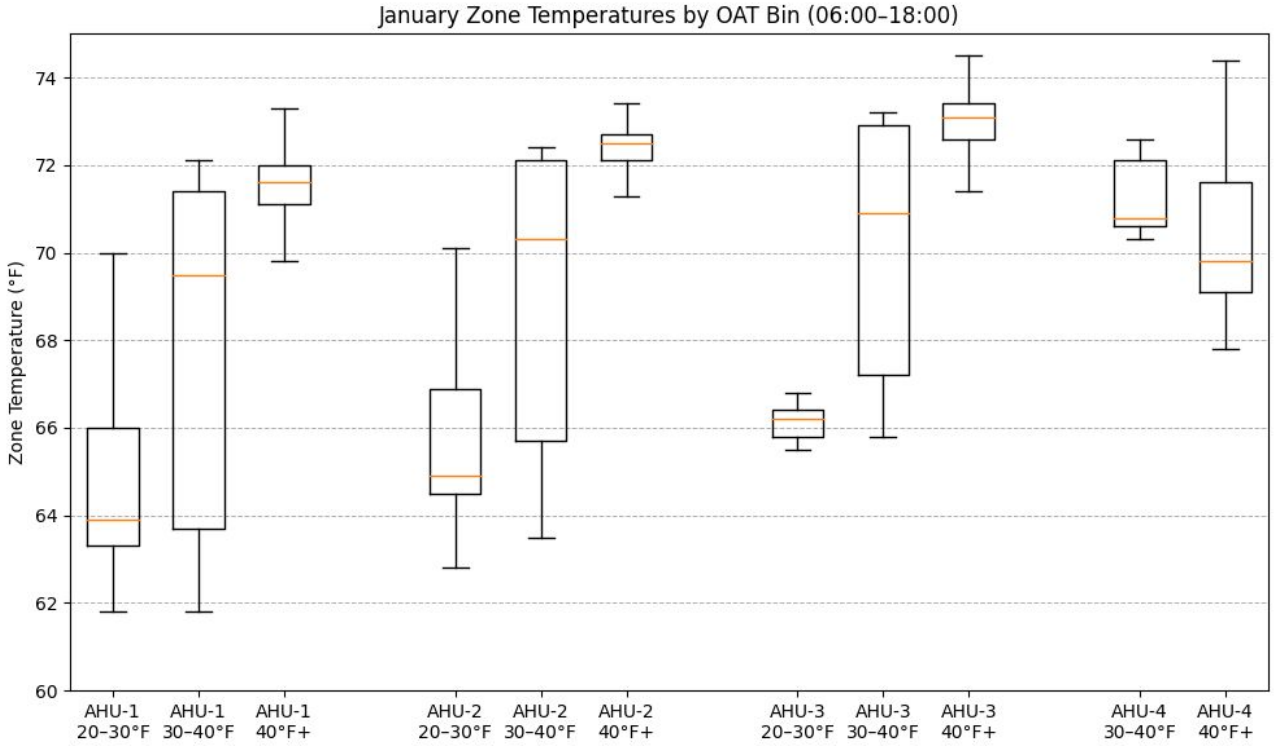
Peak Demand Reduction

Post-retrofit data shows a consistent reduction: Winter Peak Demand has been reduced by up to 57% and Summer Peak Demand by 34%.



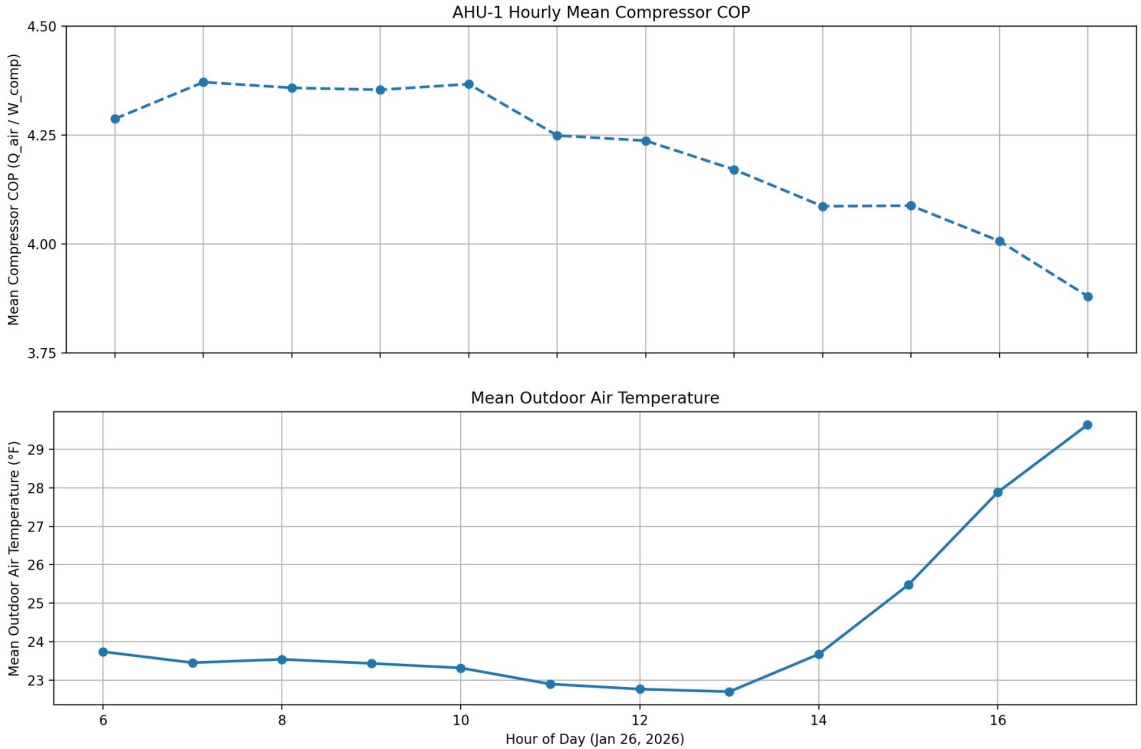
Comfortable Zone Temperatures Maintained

Despite extreme <25 F weather, the GSHP system is maintaining reasonable zone temperature and AHU-1 calculated compressor-level COPs are ~4.3 indicating strong cold-weather performance.



GSHP AHU Cold-weather Performance Snapshot

Compressor-level COPs in the mid 4s indicate strong GSHP performance. Calculated compressor-level COP based on airside heat transfer divided by compressor power.



Ready to Get Started?

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