



# The Cadillac of Norwood Ice Arena, Walpole, MA

**\$98,090**

Year 1 Actual Savings

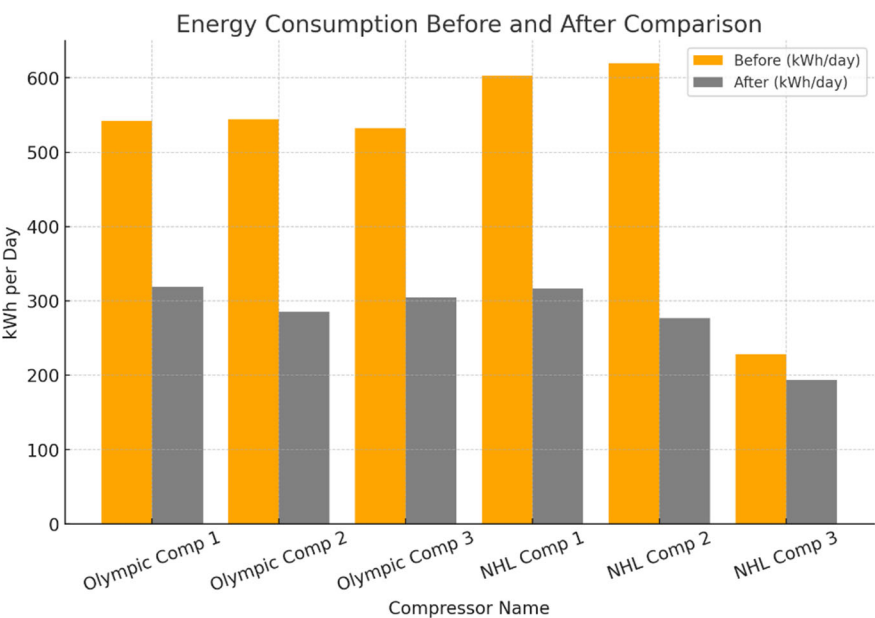
# HOW FALKONAIR HELPED THE CADILLAC OF NORWOOD ICE ARENA

Located in Walpole, MA, the Cadillac of Norwood Ice Arena is a premier ice-skating facility serving the community since its inception. It features two ice rinks, one NHL-sized and one Olympic-sized, catering to hockey, figure skating, and speed skating. The arena offers public skating and hockey sessions, as well as training and development programs for athletes at various levels. It hosts numerous tournaments annually, including some of the largest in New England, attracting teams and spectators from across the region.

In conjunction with National Resource Management, this project came to us through the utility company, as the customer was looking for ways to reduce their energy costs. We performed a site inspection, documented equipment information and operation, met with their refrigeration contractor, assessed the opportunity, and presented a conservative estimate of savings. We also installed compressor power monitoring by measuring operating amps.

Six Variable Mass Flow Packages were installed on two three-Bitzer compressor racks after eighty days of monitoring operation and following installation we again monitored the same loads over another eighty days to compare usage and operation. Besides great energy savings, the number of service calls dropped considerably, over 50%.

The upgrades delivered immediate results, achieving an impressive 44.69% overall energy savings.



We projected at least \$54,941 in utility cost savings during the first year at the Cadillac Ice Arena. We over-delivered and saved \$90,075! An additional 63.75%.

"Implementing the VMF effectively resolved the utility companies' demand challenges."  
Emre Schveighoffer, NRM

# THIS PROJECT'S IMPACT

Year 1  
Actual Savings

\$90,075

\$54,941

Estimated  
Savings  
Based on Baseline  
Measured Amps



Actual  
Running Amps

20-30

55+

Baseline Measured  
Amps

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## SYSTEMS WE OPTIMIZE TO DECARBONIZE



Cooling



Heat Pumps



Compressors & Fan  
Motors



Ventilation