



Halton Hills capitalizes on Net Zero feasibility study, Reduces Arena Costs with Ammonia Heat Pumps

Thanks to a feasibility study, the Town could apply for a grant to supplement the heat pump installations which would shave an estimated 300,000kWh/year off the Town's electricity bill.

In May 2019, Halton Hills in Ontario became the first Canadian community to adopt a 2030 net-zero strategy. Its Town Council declared a climate change emergency and since then, it has been committed to taking concrete actions to achieve its ambitious net-zero by 2030 target.

After the conclusion of the feasibility studies, FCM published a report entitled Taking your indoor ice rink to net zero to share its findings and recommendations.

Ammonia: An Attractive Business Case

Each of Halton Hills' arenas featured two independent ammonia refrigeration systems to maintain the four ice rinks per site and natural gas for heating. This was however not a sustainable solution long term. Thanks to the results and recommendations of the feasibility study, Halton Hills could successfully upgrade its two ice arenas.

CIMCO then got involved to suggest a suitable alternative. After considering the existing equipment and goals of the municipality, a low-charge ammonia heat pump package was identified as the perfect solution to maximize emission reductions. The current facility uses gas powered equipment to heat their water and other areas of the arena like changes rooms. By utilizing a heat pump to collect "waste heat" from the ammonia refrigeration system, the system will provide both refrigeration and heating from a single source. Reducing their GHG emissions and utility costs.



Read the full case study on our website:

<https://www.cimcorefrigeration.com/resources/news-releases/halton-hills-capitalizes-on-net-zero-funding-reduces-arena-costs-with-ammonia-heat-pumps>