

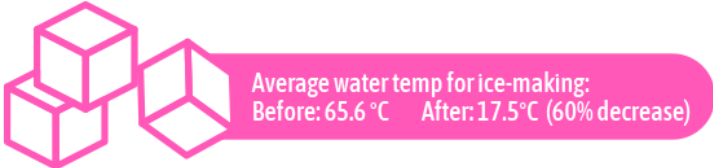
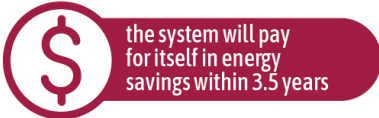
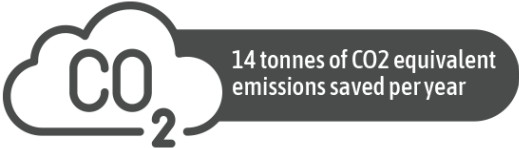
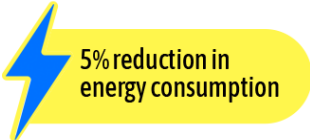
Business Case: Cold Water Arena Ice Making

Sportsworld Arena is a twin pad arena constructed in 2000 and purchased by the City of Kitchener in 2010. It is one of 8 City owned arenas and has consistently had the highest energy intensity per sq. ft. among municipally owned arenas in Waterloo Region.

Traditional ice making is an energy intensive practice primarily due to the use of hot water. Hot water is used because it contains less dissolved air than cold water, resulting in better ice quality.

This business case tested the use of cold water and a mechanical deaerator at Sportsworld Arena. The pilot ran for a full calendar year (May 2024 to May 2025).

The results are increased energy efficiency, cost savings, lower emissions, while maintaining quality ice and user experience.



Watch the video



“I view it as a net win with better ice and... costs driven down.” – City staff.

“It feels smooth... nice and hard... with just enough give” – Kitchener resident and skater.

What users are saying