

# Magna Centre Pool Filter Sand diverted from landfill through circular solution

## The Challenge

There is debate in the industry whether pool filter sand should be replaced or not. Some sources say the life cycle of the filter media is 8 years, some say 12, years. A quote for \$30,000 was given for the replacement option. Research was required to determine if there is an alternate option that did not create landfill waste and have such a high cost.

## The Solution

The Town of Newmarket Facility Maintenance Supervisor did research on the sand and found there was a means of doing a chemical cleaning of the sand instead of replacing it. She reached out to a company and found the cleaning of the filter media leaves it as a permanent media filter, meaning the sand should be good for life. That being said, at some point the filter will require repair and that point the sand will be replaced.

## Measurable Outcomes

Due to the research conducted by our Supervisor, we not only diverted the sand going to a licenced site for disposal, we were able to clean it and extend its end of life use. We also realized a significant savings as the chemical cleaning cost \$4,800.

Zero Waste solution generated \$25,200 in Savings

	Description
Challenge	Reduce waste and save costs to replace pool filter sand
Solution	Keeping existing sand through chemical cleaning
Traditional option waste destined for landfill	18,500 lbs of pool filter sand seen as waste
<b>Waste reduction</b>	<b>Zero Waste</b>
Traditional option costs	\$30,000
Chemical cleaning	\$4,800
<b>Cost savings</b>	<b>\$25200</b>

## About the Property

**Building name**  
Magna Centre

**Located**  
800 Mulock Drive,  
Newmarket

**GFA**  
20067 Sq ft

**Building type**  
Ice/Curling Rink/Pool