

Case Study: Suds Express

Background:

Suds Express is a commercial car wash facility on Hespeler Road in Cambridge, Ontario.

With the average car wash consuming 268 litres of water, the company was looking for a way to reduce the amount of new water consumed.

Water Savings Solution:

A water recycling system was installed, including a 750,000-litre tank that is now buried behind the facility.

This system will treat wash water with oxygen and allow bacteria in holding areas to digest the soap, leaving the water clean enough to wash cars.

The new system will require only 118 litres of new water per car wash.



Economic Benefits:

The project will pay for itself over a 5-year period for the company, with a WET Program incentive of \$14,469 based on \$0.40 per litre of water saved as well as \$7562 for consulting fees. The project cost was \$247,089 and the company will save approximately \$90 per day through water savings.

Water Savings:

Suds Express now saves 36.2 m³ of water per day or 13,203 m³ per year. This represents a reduction in their water bill of over 56%.

Water Reducing Measures	Cost of Implementation	Cost Savings (Rebate)	Water Savings (m ³ /year)	Annual Savings
Water recycling system	\$247,089	\$22,031	13,203	\$33,272

