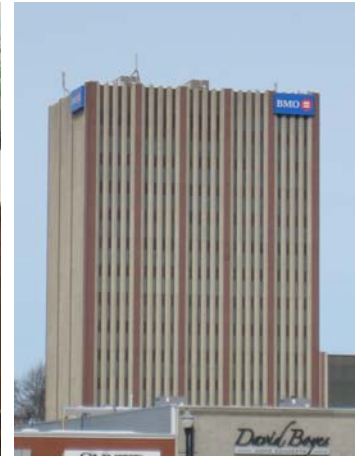


Case Study: Marsland Centre

Background:

Marsland Centre Limited is headquartered in a high-rise office tower located at 20 Erb Street West in Waterloo. This is where the water use reduction work was completed.

The building was found to be using significant amounts of water for cooling through twin cooling towers on the roof and had older, inefficient bathroom fixtures.



Regional Chair Ken Seiling presents Brad Marsland with a Water Efficiency Excellence Award (left). The Marsland Centre (right).

Water Savings Solution:

The Marsland Centre worked with Johnson Controls to replace their water-intensive cooling towers with air-cooled liquid chillers and also installed a state-of-the-art, new closed-loop boiling system. Extensive bathroom improvements, featuring water efficient faucets, toilets, etc., were also completed to take advantage of the latest water-saving technologies.

Economic Benefits:

\$7,620.47 of annual water savings based on current water rates, which will increase incrementally over the next several years, further increasing savings. The payout of \$4,920.00 from the W.E.T. program provided additional economic benefits to the company.

Water Savings:

Marsland Centre now saves 2,665 m³ of water per year or 7.3 m³ per day. This is enough water to offset the daily requirements of 10 homes.

Water Reducing Measures	New air chillers, boiler system and washroom improvements
Cost of Implementation	\$500,000
Cost Savings (Rebate)	\$4920
Water Savings m ³ /year	2,665 m ³ /year
Annual Savings	\$7,620.47