

W.E.T. case study



Marsland Centre

Marsland Centre Limited is a commercial high-rise building at 20 Erb Street West in Waterloo. Twin cooling towers and bathroom fixtures were significant water users.

Water savings solution

The Marsland Centre worked with Johnson Controls to replace the water-intensive cooling towers with air-cooled liquid chillers and installed a new, state-of-the-art closed-loop boiling system.

Changes also included replacing water inefficient bathroom fixtures including faucets and toilets with water-efficient models.

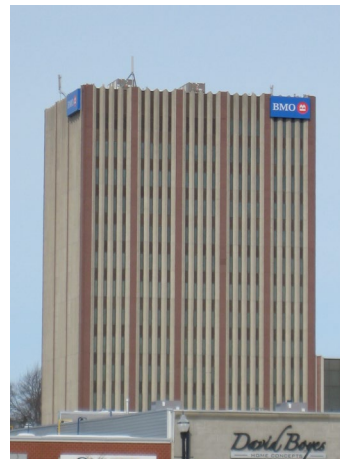


Figure 1 Regional Chair Ken Seiling presents Brad Marsland with the 2010 Water Efficiency Award (left). The Marsland Centre (right).

The Marsland Centre is the 2010 recipient of the Region of Waterloo Water Efficiency Excellence Award for this work.



Economic benefits

The Region of Waterloo provided \$4,920.00 funding through the W.E.T. Program.

The Marsland Centre realized a water savings per year of \$7,620.47 based on current water rates. This amount will increase incrementally over the next several years, further increasing savings.

Water savings

The Marsland Centre saved 2,665 m³ of water per year or 7.3m³ per day; enough water for 10 homes.

Summary

Cooling system and bathroom fixture upgrades

- W.E.T. Program funding: \$4,920
- Water savings: 2,665 m³ per year
- Cost to implement: \$500,000
- Annual savings: \$7,620.47

Region of Waterloo water programs for business

The Region of Waterloo has funding and programs to help industrial, commercial and institutional organizations reduce water costs.

Learn more at www.regionofwaterloo.ca/WaterSmartBusiness.

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Region of Waterloo, Water Services

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