

# W.E.T. case study



## Wilfrid Laurier University

Wilfrid Laurier University (WLU) has over 19,500 students and 700 faculty, with its main campus in Waterloo. WLU prioritizes sustainability on its campus.

WLU utilized the Region of Waterloo W.E.T. Program to audit its water use. This project also included an energy audit.



Figure 1 Wilfrid Laurier University Waterloo campus

### Water savings solution

WLU audited the energy and water use for all of its properties. Next, the Waterloo campus upgraded the inefficient water fixtures in its 22 buildings to water-efficient models. This includes aerator taps, showerheads and toilets. The largest water savings was at the WLU Bricker Street residence.



### Economic benefits

The Region of Waterloo provided \$36,243 funding through the W.E.T. Program to help cover the cost of the water audits and based on water savings realized. WLU is saving nearly \$86,000 per year from the water fixture upgrade. Although the payback period is longer than usual, WLU pursued the project because of its commitment to sustainability.

### Water savings

WLU is saving 21,572 m<sup>3</sup> of water each year – 59 m<sup>3</sup> each day – thanks to these changes. Enough water for 144 homes.

### Summary

#### *Water fixture replacement*

- W.E.T. Program funding: \$36,243
- Water savings: 21,572 m<sup>3</sup> per year
- Cost to implement: \$1.45 million
- Annual savings: \$85,861

### 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](http://www.regionofwaterloo.ca/WaterSmartBusiness).

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