

W.E.T. case study



St. Mary's General Hospital

St. Mary's General Hospital (SMGH) serves over 1 million patients locally and beyond each year and a team of over 2,000 staff, physicians and volunteers.

Between 2016 and 2018, SMGH used about 85 million litres of water per year. SMGH realized there was an opportunity for big water savings by upgrading old, inefficient fixtures including toilets.



Figure 1 St. Mary's General Hospital

Water savings solution

SMGH first completed a full utility usage audit, including a water use review. The findings led to a \$587,000 investment to replace over 500 fixtures in 2018 – mostly toilets but also urinals and tap aerators.



Economic benefits

The Region of Waterloo provided \$25,000 funding through the W.E.T. Program funding that covered half of the water audit and provided a rebate based on measured water savings after the project's completion.

This investment saves SMGH about \$105,000 a year in water costs. The project should pay for itself in under six years.

Water savings

SMGH is saving about 18,000 m³ of water each year through the investment in new, efficient fixtures. A water savings of 50,000 litres saved per day, enough water for 345 homes.

Summary

Upgraded toilets, urinals and tap aerators

- W.E.T. Program funding: \$24,942
- Water savings: 18,229 m³ per year
- Cost to implement: \$587,164
- Annual water bill savings: \$104,817

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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