Case Study: Capreit

Background:

Capreit is the property management company that owns the 140-unit apartment building at 55 William St., Waterloo. Each unit has two bathrooms.

The per unit water use was quite high and Capreit wanted to be pro-active in reducing it.

Water Savings Solution:

With the help of the WET program and a company to perform the changes, Capreit switched out all toilets, tap aerators and showerheads in the building.

Toilets were replaced with 3-litre per flush Hennessy & Hinchcliffe toilets, greatly reducing water consumption.

Economic Benefits:

The project will pay for itself after four years, based on a WET program rebate of $5,667. The water reduction amounts to annual savings of $18,616 based on the City of Waterloo’s water rates. This savings figure will increase as the water rates rise over the coming years.

Water Savings:

Compared to the two years prior to the changes, the facility now uses 5,171 m$^3$ less water, or 14.2 m$^3$ less per day.

<table>
<thead>
<tr>
<th>Water Reducing Measures</th>
<th>Cost of Implementation</th>
<th>Cost Savings (Rebate)</th>
<th>Water Savings (m$^3$/year)</th>
<th>Annual Savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet, aerator, showerhead changes</td>
<td>$74,322</td>
<td>$5,667</td>
<td>5,171</td>
<td>$18,616</td>
</tr>
</tbody>
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