

# W.E.T. case study



## Chicopee Tube Park

Chicopee Tube Park is a winter recreation facility with 48,000 visitors and uses over 15,000 m<sup>3</sup> of water each year for snowmaking.



Figure 1 Chicopee Tube Park stormwater pond

### Water savings solution

The construction of a stormwater pond allowed Chicopee Tube Park to capture rainwater for snow making instead of paying for municipal water. The 3,785-m<sup>3</sup> pond filled 4.5 times over two seasons with a total annual water savings of 14,000 m<sup>3</sup>.

Using rainwater from the stormwater pond almost entirely eliminates the need for municipal water as part of the snowmaking operation.

Chicopee Tube Park is the 2014 recipient of the Region of Waterloo Water Efficiency Excellence Award for this works.



### Economic benefits

The Region of Waterloo provided \$31,549 funding through the W.E.T. Program. The \$290,000 project cost included bore hole drilling, pond excavation, pumps and approvals. Chicopee will save about \$325 per day through water savings alone with the project paying for itself over a five-year period.

### Water savings

Chicopee Tube Park now saves 78.9 m<sup>3</sup> of water per day or 14,197 m<sup>3</sup> per year. This represents a reduction in their water bill of over 56 per cent, enough water for 70 homes.

### Summary

#### *Stormwater reuse system*

- W.E.T. Program funding: \$31,549
- Water use before project: 348,000 m<sup>3</sup>
- Water savings: 14,197 m<sup>3</sup> per year
- Cost to implement: \$290,000
- Annual savings: \$55,000

### 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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