



## M E M O R A N D U M

To: Council

From: David Kerr Manager of Environmental Services  
Lucy Burke, Supervisor, Water and Wastewater

c.c: Michelle Hendry, Director of Public Works

Date: August 29, 2011

Subject: Water Conservation & Efficiency Strategy Final Report August 18, 2011

This memo is an addendum to assist Council in making an informed decision regarding Water Conservation & Efficiency Strategies for the municipality. The information presented within this memo should be read in concert with the RMSI report. The presentation to Council regarding Water Conservation on September 6, 2011 will be followed by a staff report to Council on October 25<sup>th</sup>.

Using the achievable water reduction volume of 472,765 m<sup>3</sup> per year provided in the report. An estimated revenue reduction to the amount of \$1,222,655 per annum has been calculated.

A number of areas within the City of Kawartha Lakes do not have both municipal water and wastewater services therefore; this was taken into account.

87% of the billed water volume is supplied to areas that have both municipal water and wastewater services. Therefore, revenue reduction for 87% of the achievable water reduction volume was calculated using 2009 water and wastewater rates. The remaining 13% of the achievable water reduction volume was calculated using only the 2009 water rates.

**Table 7\*: Comparison of Water Reduction to 2009 Billable Demand**

Sector	2009 Billable Metered Demand m <sup>3</sup> /year	Potential Water Reduction m <sup>3</sup> /year	% Reduction	Achievable Water Reduction m <sup>3</sup> /year	% Reduction
Residential	2,012,598	637,638	32%	368,176	18%
ICI	791,699	317,700	40%	104,589	13%
<b>Total</b>	<b>2,804,297</b>	<b>955,338</b>	<b>34%</b>	<b>472,765</b>	<b>17%</b>

\*This table is repeated several times throughout the report and can be found on Page 5: Table 7. Page 63: Table 35, Page 76: Table 46.