



**Water-saving ultra low flush toilets:**

**How much will you saving in water and \$ by switching out your old toilet?**

Average flushes per toilet per day	7.2 flushes per day	7.2 flushes per day
Average water consumption per flush for older toilets (L)	20 litres (if the toilet is more than 15 years old)	13 litres (if the toilet is less than 15 years old)
Water consumption per flush for ultra low flush toilet	4.8 litres	4.8 litres
Water savings for a 4.8L toilets compared to the older toilet per flush	15.2 litres of water per flush	8.2 litres of water per flush
Water savings from replacement of older toilets in a day	109.6 litres or 0.1096 cubic metres per day	59.0 litres or 0.059 cubic metres per day
Water savings from replacement of older toilets in a Year	40 cubic metres of water in a year	21.5 cubic metres of water in a year
Cost of water saved per day @ current water rate of \$1.64 per cu. metre)	\$0.18 per day	\$0.10 per day
Average annual savings per toilet in dollars	\$65.00 per year	\$35.00 per year

The Benefits of Action

The measures to reduce urban water consumption will have the ecological benefits of improving ground water quantity and ground and surface water quality, habitat for aquatic creatures and clean, fresh water. Cobourg’s beach now under threat from contamination will continue to bring pleasure to future generations.

This is the water-saving potential in Cobourg.

<b>Calc of flushes (dwellings)</b>			
	Rented	Owned	Total
Dwellings	2,404	6,441	8,845
	27.18%	72.82%	100%
Residents	5,770	12,881	18,651
Toilets per dwelling	1.15	2	Weighted average) 1.77
Flushes per capita/day	7	5	(Weighted average) 5.54
Persons per dwelling	2.4	2	Weighted average 2.3
Flushes per dwelling/day			12.75030356
Estimated percentage of households with older toilets			56%
Estimated amount of high volume toilets in Cobourg			7512

The amount of water saved per year per replacement toilet is 30 cu m. Replacing all of the 7,512 toilets would save 225,360 cubic metres of water and would save \$371,344 a year on residents' water bills collectively or \$42.00 on average per household. This is a conservative estimate since 40% of old toilets leak and those added water losses are not included in this calculation because the rate of leakage would vary too much to determine.