



Water and Cost Savings for Caroma Dual Flush Toilets - Canada

metric worksheet

Site Name _____
 Location _____
 Worksheet completed by; _____

Water Use Calculations

Number of toilets		<input type="text"/>	A	
Number of people		<input type="text"/>	B	
Flushes/person/day		<input type="text"/>	C	Use 5 for residential, 2 for office use
Flushes/day	BxC	<input type="text"/>	D	
Original toilet flush volume (L)		20	E	Generally 20, 13.5 or 6L
Original toilet water use (L/day)	DxE	<input type="text"/>	F	
Caroma 6/3L Dual Flush volume (average)		<input type="text"/>	G	4 out of 5 flushes are 3L
Dual flush daily toilet water use (L/day)	DxG	<input type="text"/>	H	
Daily water use reduction (L)	F-H	<input type="text"/>	I	
% Reduction	H/Fx100%	<input type="text"/>	J	
Monthly water use reduction (cu.m)	30.5xI/1000	<input type="text"/>	K	
Annual water use reduction (cu.m)	12xK	<input type="text"/>	L	

Water/Sewer Costs and Savings

Water and sewer rate (\$/cu.m)		<input type="text"/>	M
Monthly \$ saving	KxM	<input type="text"/>	N
Annual \$ saving	12xN	<input type="text"/>	O

New Installation Project

Additional cost for Caroma toilets, each		<input type="text"/>	P
Total additional project cost	PxA	<input type="text"/>	Q
Payback Period (years)	Q/N	<input type="text"/>	R

Existing Fixture Refit Project

Unit cost of Caroma toilets		<input type="text"/>	S
Installation cost (per toilet)		<input type="text"/>	T
Total Refit Cost	Ax(S+T)	<input type="text"/>	U
Payback Period (years)	U/N	<input type="text"/>	V

User's Note: This water analysis is based upon certain assumptions about usage patterns and flush volumes. Usage patterns can and do change from domestic to commercial to public situations. There is real and anecdotal evidence that shows many low flush toilets flush at higher than their specified volume, which lead to greater savings than calculated here. Additionally, in refit situations, there is often substantial leakage associated with old toilets, which will create further water savings.

Notes