



Water and Cost Savings for Caroma Dual Flush Toilets - United States

US worksheet

Site Name _____

Location _____

Worksheet completed by; _____

Water Use Calculations

Number of toilets		A	
Number of people		B	
Flushes/person/day		C	Use 5 for residential, 2 for office use
Flushes/day	BxC	D	
Original toilet flush volume (gal)		E	Generally 5, 3.5 or 1.6gal
Original toilet water use (gal/day)	DxE	F	
Caroma 1.6/0.8gal Dual Flush volume (average)		.95 gal	4 out of 5 flushes are 0.8gal
Dual flush daily toilet water use (gal/day)	DxG	H	
Daily water use reduction (gal)	F-H	I	
% Reduction	H/Fx100%	J	
Monthly water use reduction (1000's gal)	30.5xI/1000	K	
Annual water use reduction (1000's gal)	12xK	L	

Water/Sewer Costs and Savings

Water and sewer rate (\$/1000 gal)		M	
Monthly \$ saving	KxM	N	
Annual \$ saving	12xN	O	

New Installation Project

Additional cost for Caroma toilets, each		P	
Total additional project cost	PxA	Q	
Payback Period (years)	Q/N	R	

Existing Fixture Refit Project

Unit cost of Caroma toilets		S	
Installation cost (per toilet)		T	
Total Refit Cost	Ax(S+T)	U	
Payback Period (years)	U/N	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