



Los Angeles/Ventura Chapter

Who are we?

The Building Industry Association of Southern California's Los Angeles/Ventura Chapter exists to provide leadership on public policy issues that promote building and revitalizing neighborhoods with safe, healthy, sustainable and quality rental and ownership housing and measures that assure an adequate supply and range of housing types, sizes and costs that support a variety of lifestyle choices. We work to increase the public appreciation of the importance of housing and those who provide it, and facilitate better business opportunities for our members.

Let's get down to business...



What is the industry doing about it?



We're Glad You Asked...

The California Building Industry Association (CBIA) has been a leader in instituting water and energy efficiency best practices, and has been one of the state's strongest partner in developing and implementing building standards that significantly reduce energy and water use in new homes and buildings.

- CALGreen

The California Housing Crisis...

- Housing is becoming less affordable
- Homeownership is becoming impossible
- The rental market continues to rise
- We have a supply/demand problem

The Myth of New Construction

Because of the water conservation mandates for new homes over the past four years, research shows that existing homes represent the greater water savings potential than newly constructed homes in the state.

How is that possible!?

Fixture and Appliance Standards Over Time						
	1975	1980	1992	2009	2011	2013
Shower (gpm)	3.5	2.5	2.5	2.5	2.0	2.0
Toilets (gpf)	5.0	3.6	1.6	1.6	1.28	1.28
Faucets (gpm)	2.5	2.5	2.5	2.2	1.8	1.8/1.5
Clothes Washers (gal/cubic foot)	15.0	15.0	15.0	8.5	6.0	6.0

Table 1: Flow Rates of Fixtures over Time

Say What??

Total Indoor Water Use, New Three Bedroom Home					
Fixture Type	Flow Rate (gpm or gpf)	Duration (mins.)	Daily Uses	# of Occupants	Gallons/Year
Showerheads	2.0	8	1	4	23,360
Lavatory Faucets	1.5	0.25	3	4	1,643
Kitchen Faucets	1.8	4	1	4	10,512
Toilets	1.28	---	3	4	5,606
Fixture Water Use					41,121
Loads per Year			Gallons per Load		
Clothes Washers	300		18		5,400
Total Indoor Water Use, New Three Bedroom Home					46,521

Table 2: Indoor Water Use for a New Three Bedroom Home

While there is limited water savings potential in new California homes, existing CA homes represent a clear and significant conservation opportunity.

	1975	1990	2009	2011	2013
Shower	40,880	29,200	29,200	23,360	23,360
Toilets	21,900	15,768	7,008	5,606	5,606
Kitchen and Lavatory Faucets	17,338	17,338	15,257	12,483	12,155
Clothes Washer	12,000	12,000	7,650	5,400	5,400
Total Indoor Water Use	92,118	74,306	59,115	46,849	46,521
Reduction		19%	20%	21%	1%

Table 3: Annual Indoor Water Use over Time

Three Bedroom Home - Indoor Water Use

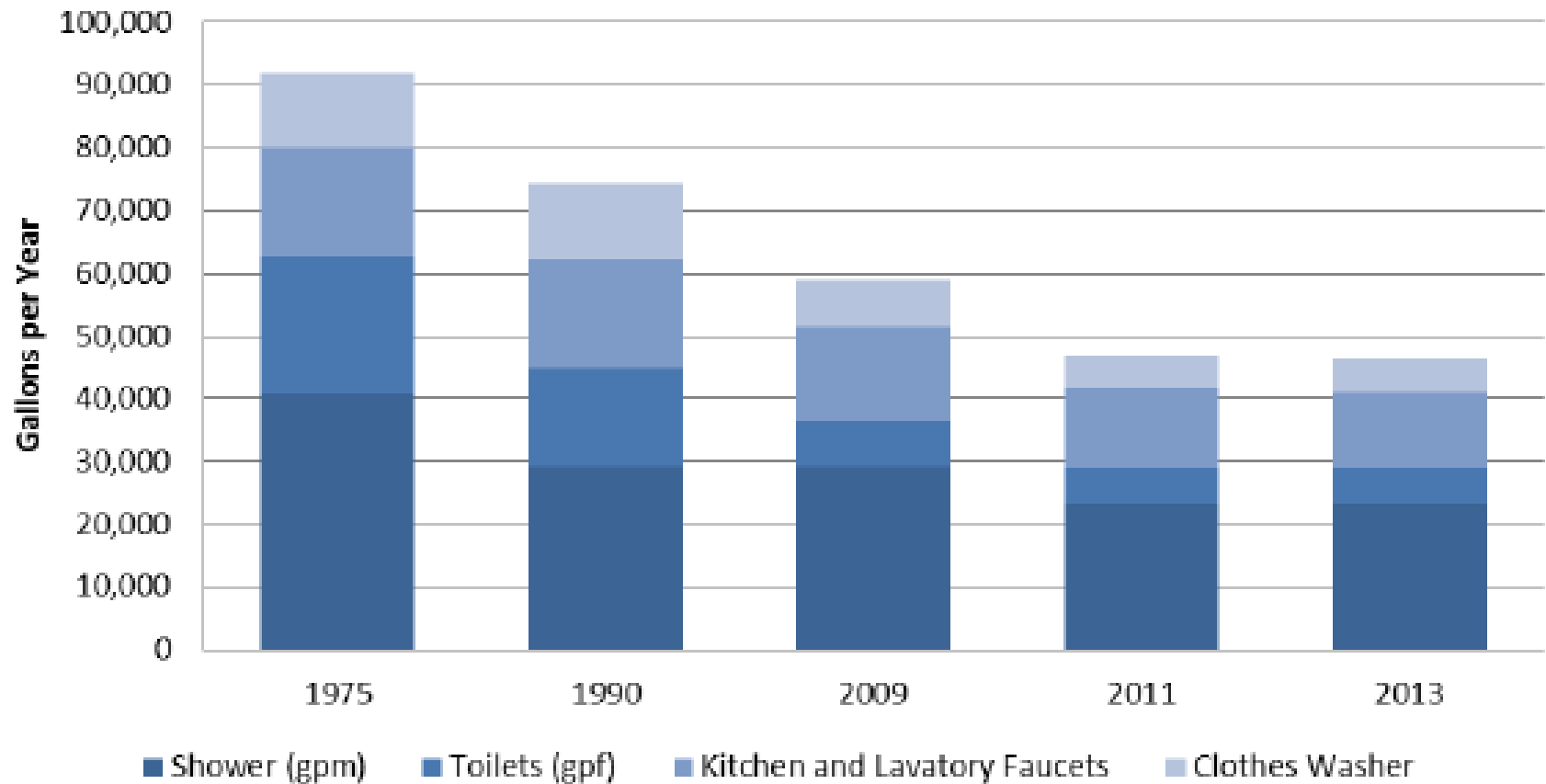
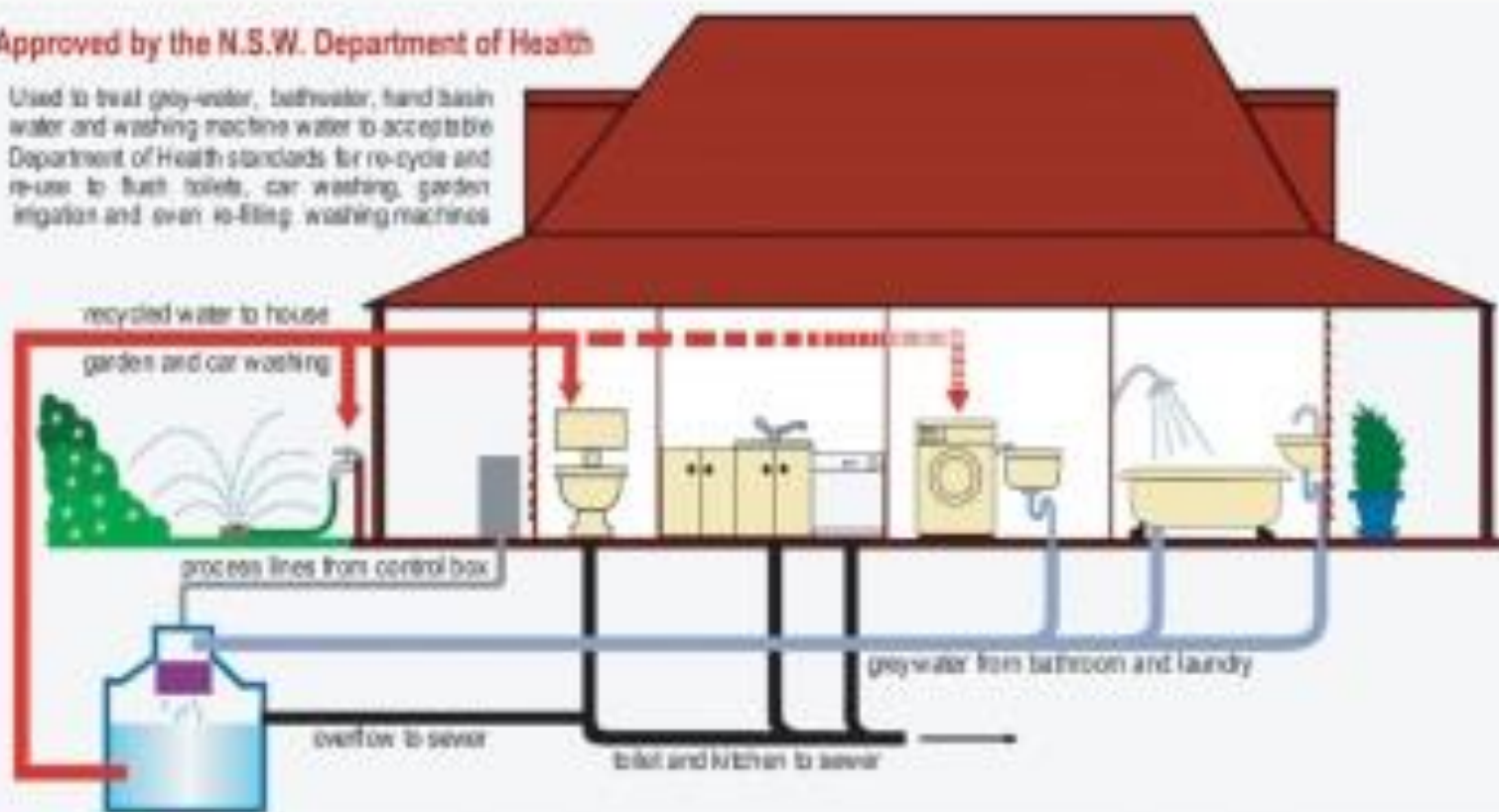


Figure 1: Indoor Water Use over Time

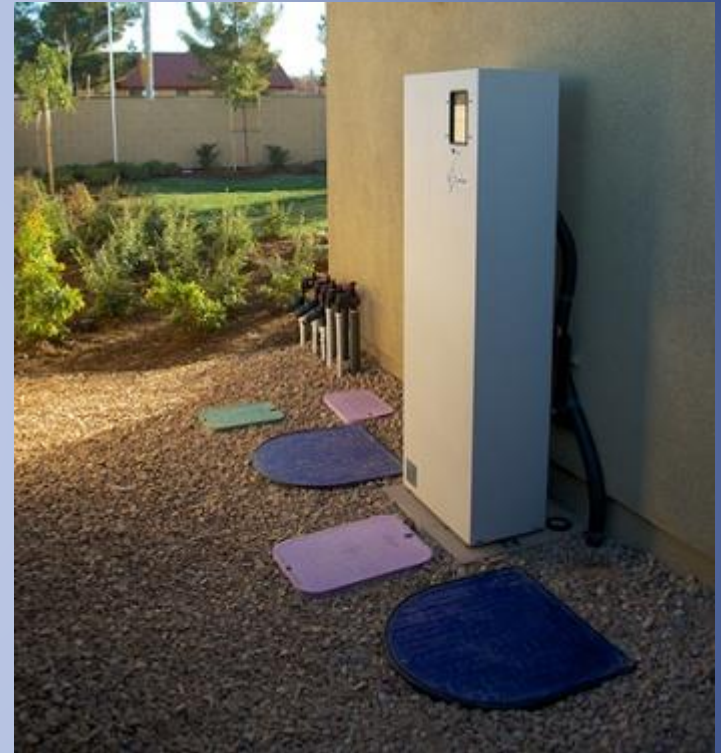
What Can We Do?

Approved by the N.S.W. Department of Health

Used to treat grey-water, bathwater, hand basin water and washing machine water to acceptable Department of Health standards for re-cycle and re-use to flush toilets, car washing, garden irrigation and even re-filling washing machines



KB Home project







Thank you!



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