

DOCKETED

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California WaterSense Penetration Numbers for Water Closets

Plumbing Manufacturer's International (PMI) wanted to share this recent data compiled by GMP Research, Inc. in regards to the percentage of WaterSense fixtures and fittings installed in the State of California:

Water closets (both residential and commercial) = 5.5% (California Installed Toilets 2015)

Considering that WaterSense levels have been mandated for new construction since the adoption of the 2010 version of CALGreen, it is apparent that a lot more can be done through an aggressive rebate program to encourage

further market penetration; PMI would be more than happy to promote such a program. Additionally, I believe this data supports PMI's position that immediate water savings could happen today if WaterSense products were

utilized versus adopting arbitrary flow rates on January 1, 2016 such as 1.2 gpm residential lavatory faucets.

Additional submitted attachment is included below.

California Installed Toilets

California Installed Toilets by End Use				End Use Applications										Total Residential + Commercial Toilets	
				Single Family + Multi Family Dwellings	Light Commercial								Other Commercial		
Residential Toilets	California	Total Residential Toilets	% of Residential Toilets	SF + MF Homes	Hotel	Restaurant	Nursing Home	Other Health Care	Retail Wholesale	Gov. Building	Gas Station	Manuf.	Other Commercial	Residential + Commercial Toilets	% of Total Residential + Commercial Toilets
	5.0 gpf	1,586,960	5.50%	1,496,335	27,255	6,670	23,225	7,235	20,500	240	440	5,060		1,586,960	4.74%
	3.5 gpf	6,924,980	24.00%	6,529,470	118,920	29,110	101,350	31,570	89,485	1,060	1,930	22,085		6,924,980	20.67%
	1.6 gpf	16,605,500	57.55%	15,657,120	285,160	69,810	243,020	75,700	214,570	2,535	4,625	52,960		16,605,500	49.56%
	1.28 gpf	937,755	3.25%	884,200	16,105	3,940	13,725	4,275	12,115	145	260	2,990		937,755	2.80%
	1.6 gpf pressure	1,904,360	6.60%	1,795,605	32,700	8,000	27,870	8,680	24,610	290	530	6,075		1,904,360	5.68%
	1.28 gpf pressure	403,960	1.40%	380,890	6,940	1,700	5,910	1,840	5,220	60	110	1,290		403,960	1.21%
	Dual Flush	490,530	1.70%	462,500	8,420	2,070	7,180	2,235	6,345	75	140	1,565		490,530	1.46%
	Total Residential Toilets	28,854,045	100.00%	27,206,120	495,500	121,300	422,280	131,535	372,845	4,405	8,035	92,025		28,854,045	
	% of Residential Toilets	100.00%		94.29%	1.72%	0.42%	1.46%	0.46%	1.29%	0.02%	0.03%	0.32%			
Commercial Toilets	Total Commercial Toilets	4,653,043		0	55,276	249,900	46,920	15,161	41,427	490	893	10,225	4,232,752	4,653,043	
	% of Commercial Toilets	100.00%		0.00%	1.19%	5.37%	1.01%	0.33%	0.89%	0.01%	0.02%	0.22%	90.97%		
All Residential + Commercial Toilets		33,507,088		27,206,120	550,776	371,200	469,200	146,696	414,272	4,895	8,928	102,250	4,232,752	33,507,088	100.00%
% of All Residential + Commercial Toilets		100.00%		81.22%	1.65%	1.07%	1.40%	0.44%	1.24%	0.01%	0.03%	0.31%	12.63%	100.00%	

Observations:

- There are 33.5 million toilets installed in the state of California. 86.1% are residential toilets and 13.9% are commercial toilets (floor or wall mount).
- Residential toilets are found in single family homes and multi-family dwellings (94.3%), and light commercial applications (5.7%)
- 5.5% of **ALL** installed toilets (residential + commercial) are HET Toilets.
 - 2.8% are 1.28 GPF or Less Gravity Fed Toilets
 - 1.2% are 1.28 Pressure Assist
 - 1.5% are Dual Flush Toilets
- 6.4% of all installed **RESIDENTIAL** toilets are HET Toilets.
 - 3.3% are 1.28 GPF or Less Gravity Fed Toilets
 - 1.4% are 1.28 Pressure Assist
 - 1.7% are Dual Flush Toilets

Source: GMP Research Field Interviews 03/2015



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