



**BASELINE WATER USE  
 WORKSHEET WS-1**

To demonstrate the 20% reduction in overall use of potable water in accordance with Method 2 of Sections 4.303.1 or 5.303.2 of the CALGreen Code, use this worksheet WS-1 to calculate the baseline water use and worksheet WS-2 to specify the schedule of plumbing fixtures and fixture fittings that will meet this reduction. Incorporated these worksheets onto the construction documents.

BASELINE WATER USE CALCULATION TABLE									
FIXTURE TYPE	FLOW RATE <sup>2</sup>		DURATION		DAILY USES		OCCUPANTS <sup>3,4</sup>	=	GALLONS PER DAY
Showerheads	2.5 <sup>5</sup>	X	5 min.	X	1	X		=	
Showerheads residential	2.5 <sup>5</sup>	X	8 min.	X	1	X		=	
Lavatory faucets residential	2.2 <sup>5</sup>	X	.25 min.	X	3	X		=	
Lavatory faucets nonresidential	0.5 <sup>5</sup>	X	.25 min.	X	3	X		=	
Kitchen faucets	2.2 <sup>5</sup>	X	4 min.	X	1	X		=	
Replacement aerators	2.2 <sup>5</sup>	X		X		X		=	
Wash fountains	2.2 <sup>5</sup>	X		X		X		=	
Metering faucets	0.25 <sup>5</sup>	X	.25 min.	X	3	X		=	
Metering faucets for wash fountains	2.2 <sup>5</sup>	X	.25 min.	X		X		=	
Gravity tank type water closets	1.6 <sup>6</sup>	X	1 flush	X	1 male <sup>1</sup> 3 female <sup>1</sup>	X		=	
Flushometer tank water closets	1.6 <sup>6</sup>	X	1 flush	X	1 male <sup>1</sup> 3 female <sup>1</sup>	X		=	
Flushometer valve water closets	1.6 <sup>6</sup>	X	1 flush	X	1 male <sup>1</sup> 3 female <sup>1</sup>	X		=	
Electromechanical hydraulic water closets	1.6 <sup>6</sup>	X	1 flush	X	1 male <sup>1</sup> 3 female <sup>1</sup>	X		=	
Urinals	1.0 <sup>6</sup>	X	1 flush	X	2 male	X		=	
<b>Total daily baseline water use (BWU)</b>								=	
_____ (BWU) X 0.80 = _____ Allowable water use									

FOOTNOTES:

- The daily use number shall be increased to three if urinals are not installed in the room.
- The flow rate is from the CEC Appliance Efficiency Standards, Title 20 *California Code of Regulations*; where a conflict occurs, the CEC standards shall apply.
- For low-rise residential occupancies, the number of occupants shall be based on two persons for the first bedroom, plus one additional person for each additional bedroom. In addition, the calculation shall be limited to the following plumbing fixture and fitting types: water closets, urinals, lavatory faucets and showerheads.
- For nonresidential occupancies, refer to Table A, Chapter 4, 2010 *California Plumbing Code*, for occupant load factors.
- Gallon per minute.
- Gallon per flush.