Commercial, Industrial, Institutional

Simplified Water Demand Worksheet

2025 California Plumbing Code

Applicant Name:			
Site Address:			
Assessor's Parcel Number:			
A	B	C	E
Appliance or Fixture	**Fixture Unit Value**	**Number of Fixtures**	**Total "=column B x column C"**
Typical Indoor End Uses			
Stand Alone Bathtub	4.0		
Jacuzzi Tub with 3/4" or 1 " Fill Valve	5.0		
Bathtub/Shower Combination	4.0		
Stand Alone Showerhead	2.0		
Bidet	1.0		
Clothes Washer	4.0		
Dental Unit - Cupsidor	1.0		
Dishwasher	1.5		
Spray Rinse Valve	2.5		
Drinking Fountain/Cooler Indoors	0.5		
Stand Alone Ice Maker	2.0		
Refrigerator with Water Hook-Up	1.0		
Food Service Hand Washing Faucet	1.0		
Kitchen Food Prep Sink Faucet	1.5		
Bar Sink Faucet	1.5		
Clinical Medical Faucet	3.0		
Clinical Flushometer Valve	8.0		
Laundry Faucet	1.5		
Service, Utility or Mop Basin Faucet	3.0		
Lavatory (Bathroom Faucet)	1.0		
Urinal Flushometer Valve	4.0		
Flushometer Valve Toilet	5.0		
Pressure Assist Toilet	2.5		
Gravity Toilet	2.5		
Hydronic (radiant) Climate Control	1.0		
Ice Maker	2.0		
Subtotal Indoor			
Typical Outdoor End Uses			
First Hose Bib	2.5		
Each Additional Hose Bib	1.0		
Pool	10.0		
Hot Tub/Spa	5.0		
Drinking Fountain Outdoors	0.5		
Number of Irrigation Valves (drip)	1.0		
Number of Irrigation Spray Heads	1.0		
Subtotal Outdoor			
Total Indoor and Outdoor			

Square Footage of Parcel:			
Square Footage of Total Landscaped Area:			
Square Footage of Total Irrigated Landscaped Area:			
	Residential	**Non-Residential**	**Unit of Measurement**
Toilets	≤ 1.28	≤ 1.28	gallons per flush
	≥ 350	≥ 350	grams per flush
Showerheads	≤ 1.8	≤ 1.8	gallons per minute
Bathroom Faucets	≤ 1.2	≤ 0.5	gallons per minute
Kitchen Faucets	≤ 1.8	≤ 1.8	gallons per minute
Utility Faucets	≤ 1.8	≤ 1.8	gallons per minute
Urinals	≤ 0.125	≤ 0.125	gallons per flush
Metering Faucets	≤ 0.25	≤ 0.25	gallons per cycle
Cooling Towers	≥ 5	≥ 5	cycles of concentration
	or	or	or
	≥ 2.5	≥ 2.5	Langlier Saturation Index
Commercial Food Steamers	Boilerless or Self-Contained	Boilerless or Self-Contained	
Commerical Ice Machines	≤ 25 Air-cooled	≤ 25 Air-cooled	gallons/100 lbs ice
Commercial Pre-Rinse Spray Valves	≤ 1.28	≤ 1.28	gallons per minute
Irrigation Primary Control Valve	Customers should have the ability to turn off water feeding their irrigation system without using the water meter's angle stop or the primary house valve.		
Commercial Refrigeration and Cooling (Ordinance 2008-01)	Closed loop (recirculated) or air-cooled.		
Commercial Automatic Vehicle Wash Facilities (Ordinance 2008-01)	Water is recycled on site through a filter system.		
Water Features (Ordinance 2008-01)	Water shall be re-circulated		
Master Service Control Valve (General Regulations Regarding Water Service)	Customers must have the ability to turn off water to the interior of their structures without using the water meter's angle stop.		
Pressure Regulating Valve (General Regulations Regarding Water Service)	When the static pressure in the distribution system feeding the water service is ≥ 80 psi. This does not apply to fire services.		
Dedicated Irrigation Meter (Ordinance 2018-01)	When irrigated landscaped area equals or exceeds 5,000 square feet.		

Applicant Name (Print)	**Signature of Applicant**	**Date**

Applicant Mailing Address:	