

**COASTSIDE COUNTY WATER DISTRICT**

**WATER FLOW REQUIREMENTS FOR PUBLIC PLUMBING FIXTURES**

In order to determine the size of water meter that is required for a public uses, the water demand requirements must first be calculated. Each plumbing fixture is assigned a fixture unit value as determined by the California Plumbing Code. **A public building or structure is defined as plumbing fixtures that are NOT in residences and apartments, private bathrooms in hotels and hospitals, and restrooms in commercial establishments where the fixtures are intended for the use of a family or an individual.**<sup>1</sup>

This table is to be used for computing the total plumbing fixture value for public buildings and structures only. For private fixture unit values and guidelines, please contact Coastside County Water District.

<b><i>Appliances, Appurtenances or Fixtures</i></b>	<b><i>Fixture Unit Value</i></b>
Dishwasher	1.5
Hose Bib	2.5
Hose Bib, each additional <sup>2</sup>	1
Shower (each head)	2
Clothes Washer	4
Bathtub or Combination Bath/Shower (fill)	4
__" Bathtub Fill Valve	10
Drinking Fountain or Watercooler	0.5
<b><i>Sinks</i></b>	
Bar	2
Lavatory (Bathroom)	1
Kitchen	1.5
Service or Mop Basin	3
Clinic Faucet	3
Laundry	1.5
Washup, each set of faucets	2
<b><i>Urinal</i></b>	
1.0 GPF	4
Greater than 1.0 GPF	5
Urinal Flush Tank	2
<b><i>Water Closet (Toilet)</i></b>	
1.6 GPF Gravity Tank	2.5
1.6 GPF Flushometer Tank <sup>3</sup>	2.5
1.6 GPF Flushometer Valve <sup>4</sup>	5
Greater than 1.6 GPF Gravity Tank (3, 5, or 7 GPF)	5.5
Greater than 1.6 GPF Flushometer Valve (3, 5, or 7 GPF)	8

<b>Service Connection Size</b>	<b>Peak Flow (Gallons Per Minute)</b>	<b>Total Fixture Units</b>
5/8" x 3/4"	20 gpm	30
3/4"	30 gpm	50
1"	50 gpm	125
1-1/2"	100 gpm	350
2"	160 gpm	700
3"	350 gpm	2200

\*If the total fixture unit count is over the allotted service connection size, please contact the District office for more information.

<sup>1</sup> 2001 California Plumbing Code: California Code of Regulations Title 24, Part 5

<sup>2</sup> Reduced fixture unit loading for additional hose bibs is used only when sizing total building demand and for pipe sizing when more than one hose bib is supplied by a segment of water distributing pipe. The fixture branch to each hose bib shall be sized on the basis of 2.5 fixture units.

<sup>3</sup> Flushometer Tank- a tank integrated within an air accumulator vessel that is designed to discharge a predetermined quantity of water to fixtures for flushing purposes.

<sup>4</sup> Flushometer Valve- a valve that discharges a predetermined quantity of water to fixtures for flushing purposes and is actuated by direct water pressure.

## WORKSHEET FOR SIZING OF PUBLIC WATER SERVICE CONNECTIONS

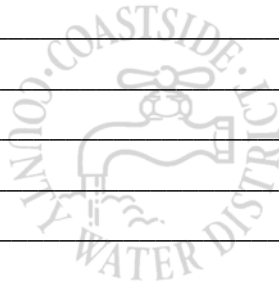
Customer: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Site Address: \_\_\_\_\_

Assessors Parcel Number: \_\_\_\_\_

Type of Occupancy: \_\_\_\_\_



Place the number of fixtures in the public building or structure under the “# of Fixtures” column and multiply by the Fixture Unit Value to get the Total Value. For questions, please contact the District office at 766 Main Street, Half Moon Bay or by calling (650) 726-4405.

<b><i>Appliance or Fixture</i></b>	<b><i>Fixture Unit Value</i></b>	<b><i># of Fixtures</i></b>	<b><i>Total Value</i></b>
Dishwasher	1.5	x	=
Hose Bibb	2.5	x	=
Hose Bibb, each additional	1	x	=
Shower (each head)	2	x	=
Clothes Washer	4	x	=
Bathtub or Combination Bath/Shower (fill)	4	x	=
” Bathtub Fill Valve	10	x	=
Drinking Fountain or Watercooler	0.5	x	=

### ***Sinks***

Bar	2	x	=
Lavatory (Bathroom)	1	x	=
Kitchen	1.5	x	=
Service or Mop Basin	3	x	=
Clinic Faucet	3	x	=
Laundry	1.5	x	=
Washup, each set of faucets	2	x	=

### ***Urinals***

1.0 GPF	4	x	=
Greater than 1.0 GPF	5	x	=
Urinal, Flush Tank	2	x	=

### ***Water Closet (Toilet)***

1.6 GPF Gravity Tank	2.5	x	=
1.6 GPF Flushometer Tank	2.5	x	=
1.6 GPF Flushometer Valve	5	x	=
Greater than 1.6 GPF Gravity Tank	5.5	x	=
Greater than 1.6 GPF Flushometer Valve	8	x	=

**Total Fixture Unit Value** \_\_\_\_\_