



**WATER METER DOWNSIZING WORKSHEET**  
**(SINGLE FAMILY RESIDENTIAL USE)**  
**According to UPC-2022 – Appendix A**

The following worksheet is intended to estimate a minimum meter size and must be completed with the required information regarding type and number of fixtures served by the meter.

TCWD recommends that the applicant seek the advice of a qualified civil or mechanical engineer to be sure that any reduction in meter size is appropriate for their particular property.

**Instructions for Sizing Water Meter:**

To estimate the minimum meter size under the California Plumbing Code:

**Step 1:** In Table 1, insert in Column 2 (“Number of Fixtures”) the number of each type of fixture shown in Column 1.

**Step 2:** In Table 1, multiply Column 2 by Column 3 (“Fixture Value”) and insert that value in Column 4 (“Total Fixture Valve Units”).

**Step 3:** In Table 1, total the values in Column 4 to get “Total Fixture Units” at the bottom.

**Step 4:** In Table 2, identify the “Recommended Meter Size” that corresponds to the range of “Total Fixture Units” for the subject property.

**Miscellaneous on-site water demands that may affect the size of the meter:**

Additional information and analysis may be required to determine minimum water meter size for a property with additional on-site water demands or equipment.

Please check all that apply:

- ☐ Animal Husbandry - Animals raised such as chickens, goats, cows, or other livestock including day-to-day care.
- ☐ Dog/Cat daycare and boarding facility
- ☐ Ponds that are connected to the water supply and require aeration.
- ☐ Decorative Fountains and Waterscapes
- ☐ Pool and/or spa
- ☐ Horse Stables
- ☐ Irrigation of crops, pastureland, and/or fruit trees
- ☐ Aquaculture (Fish Farm)
- ☐ Fire Suppression (mounted sprinkler system on roof top)
- ☐ On-site pumps, tanks, or other related equipment to pump water to property
- ☐ Other (Specify) \_\_\_\_\_



# WATER METER DOWNSIZING WORKSHEET

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According to UPC-2022 – Appendix A

Service Address: \_\_\_\_\_ Account Number: \_\_\_\_\_

Date: \_\_\_\_\_

**Table 1**

Column 1	Column 2	Column 3	Column 4
Appliance, Appurtenances or Fixtures	Number of Fixtures	Fixture Value	Total Fixture Value Units
Bathtub or Tub w/Shower	_____ x	4.0	= _____
Shower Only (per head)	_____ x	2.0	= _____
Clothes Washer	_____ x	4.0	= _____
Dishwasher	_____ x	1.5	= _____
Hose Bib/Spigot	_____ x	2.5	= _____
Hose Bib/Spigot, Each Additional	_____ x	1.0	= _____
Bar Sink	_____ x	1.0	= _____
Kitchen Sink	_____ x	1.5	= _____
Laundry Sink	_____ x	1.5	= _____
Bathroom/Lavatory Sink	_____ x	1.0	= _____
Urinal or Bidet	_____ x	2.0	= _____
Toilet (1.28 gpf*)	_____ x	2.0	= _____
Toilet (1.6 gpf)	_____ x	2.5	= _____
Toilet (>1.6 gpf)	_____ x	3.0	= _____
*gallons per flush		<b>TOTAL</b>	_____

**Table 2**

Total Fixture Units	Recommended Meter Size
0 – 39 Units	¾" meter
39.5 – 85 Units	1" meter
85.5 – 151 Units	1-½" meter
151.5 – 370 Units	2" meter