



# Residential Water Meter Sizing Form

Note: this PDF form will not auto-calculate totals if the file is opened in some web browsers. Click the Save or Download button in your browser to save the document and open it with a PDF reader (for example, Adobe Acrobat Reader).

This form calculates the *minimum* meter and supply size required based on the plumbing fixtures in your building. Calculations are based on sizing from [Uniform Plumbing Code 2018](#).

## 1. Determine Pressure Range

This is the water pressure at the meter. Contact an Engineering reviewer at [CPD@issaquahwa.gov](mailto:CPD@issaquahwa.gov) or 425-837-3100 if you are unsure of your pressure range.

Pressure range (in psi): \_\_\_\_\_

## 2. Determine Maximum Allowable Length

What is the length (in feet) of the pipe from the meter to the farthest fixture? \_\_\_\_\_

## 3. Fire Sprinkler System

Sprinkler systems require a minimum 1" meter

Will this meter supply a fire sprinkler system? \_\_\_\_\_

## 4. Calculate Unit Fixtures

Enter the number of fixtures in each category. All fixtures fed from the meter must be accounted for in this table. See [UPC Table 610.3](#) (click link and go to page 146/442) for further information.

Fixture Type <sup>1</sup>	Number of Fixtures		Unit	Subtotal <sup>2</sup>	Note
	New	Existing			
Bathtub/Shower 1/2"			4		
Tub 3/4" supply			10		Typically found in "soaker" tubs
Clothes Washer			4		
Dishwasher			1.5		
Hose Bibb			2.5		Max 1 (first) hose bibb for this line.
Hose Bibb Additional			1		Enter any additional hose bibbs on this line.
Lavatory (hand sink)			1		
Bar Sink			1		
Kitchen Sink			1		
Laundry Sink			1.5		
Shower, per head			2		
Water Closet, 1.6gpf			2.5		
<b>Total Unit Fixtures</b>					

## 5. Result

Use [UPC Table 610.4](#) (click link and go to page 147/442) to determine the minimum sizes for:

Meter Size and Street Service: \_\_\_\_\_ Building Supply and Branches: \_\_\_\_\_

<sup>1</sup> Appliances, appurtenances, or fixtures not referenced in this table shall be permitted to be sized by reference to fixtures having a similar flow rate and frequency of use.

<sup>2</sup> Subtotal = (New + Existing) \* Unit