

Residential Water Meter Sizing Form

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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 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 2018 UPC Table 610.3 for further definitions.

Fixture Type ¹	Number of Fixtures		Unit	Subtotal ²	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		
Total Unit Fixtures					

5. Result

Use UPC Table 610.4 to determine the minimum meter and minimum supply and branch sizes

Meter Size and Street Service: _____ Building Supply and Branches: _____

¹ 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.

² Calculate subtotal as (New + Existing) X Unit