



City of Bothell

# DEVELOPMENT SERVICES

BUILDING • COMMUNITY RISK REDUCTION • ENGINEERING • PLANNING • PERMIT SERVICES • TRANSPORTATION

## WATER METER SIZING ONE OR TWO DWELLING UNITS

61b

### City of Bothell Utility

Fixture Units and Water Meter Calculation Table, One and Two Family Dwelling Units Only

Applicant's Name \_\_\_\_\_ Phone # ( ) \_\_\_\_\_  
Please print legibly & use ink

Service Address \_\_\_\_\_

Legal Description \_\_\_\_\_ Tax ID # \_\_\_\_\_  
If description is lengthy, attach on separate page

Fire Sprinklers required by Fire Marshal?  Yes  No  
(If yes, water meter sizing to be verified by Fire Protection System Engineer and Provided to City of Bothell)

Distance between water meter and building: Length (L) = \_\_\_\_\_ feet

Difference in elevation between the water meter and the highest point of service in building (H)  
(example: Highest point may be a shower head on the second floor of the building. The meter may be 10 feet lower than the first floor elevation. So add the height of the shower head above the floor, the height of the first floor and the height between the first floor and the meter-say 6+8+10=24 feet. Note: If the highest point is BELOW the meter, H will be negative). Height (H) = \_\_\_\_\_ feet

#### Column "A" from 2015 Uniform Plumbing Code, Table 610.3

Individual Count	"A" Fixture Units	"B" # of Units	"C" "A"x"B" ="C"
Bathtub or Combination Bath/Shower	4.0	_____	_____
¾" Bathtub Fill Valve	10.0	_____	_____
Bidet	1.0	_____	_____
Clothes washer	4.0	_____	_____
Dishwasher, domestic	1.5	_____	_____
Drinking Fountain or Watercooler	0.5	_____	_____
Hose Bibb	2.5	_____	_____
Hose Bibb, each additional	1.0	_____	_____
Lavatory	1.0	_____	_____
Lawn Sprinkler, each head	1.0	_____	_____
Mobile Home, each (minimum)	12.0	_____	_____
Bar Sink	1.0	_____	_____
Kitchen Sink (with or without dishwasher)	1.5	_____	_____
Laundry Sink	1.5	_____	_____
Service Sink or Mop Basin	1.5	_____	_____
Shower, per head	2.0	_____	_____
Urinal, flush tank	2.0	_____	_____
Water Closet, 1.6 GPF Gravity Tank	2.5	_____	_____
Water Closet, 1.6 GPF Flushometer Valve	2.5	_____	_____
Water Closet, over 1.6 GPF Gravity Tank	3.0	_____	_____
Water Closet, over 1.6 GPF Flushometer Valve	3.0	_____	_____

#### Instructions:

Column "A" to the left shows the assigned value of each fixture in a single-family residence.

Column "B" is where the number of fixtures is written down.

Column "C" is determined by multiplying Column "A" times the number of fixtures in Column "B".

#### Total Fixture Units

I, the undersigned, hereby declare under penalty of perjury of the laws of the State of Washington that the preceding information is true and correct to the best of my knowledge.

Applicant/Owner's Signature \_\_\_\_\_

Date \_\_\_\_\_

Static Pressure at Meter: (PM) = \_\_\_\_\_ psi

Available Pressure at Highest Point:

Ph=(PM- 0.433H) = \_\_\_\_\_ psi

Supply Line Length (L) = \_\_\_\_\_ feet To Table 6-5 for meter size

Required Building Supply Line Size \_\_\_\_\_  
Meter Size \_\_\_\_\_

Application Received By \_\_\_\_\_ Date \_\_\_\_\_ Account # \_\_\_\_\_