



# DEVELOPMENT SERVICES

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# Single Family Plumbing Worksheet

Building Services

Complete this form to submit at City Hall. Or, use [mybuildingpermit.com](http://mybuildingpermit.com) to submit your application entirely online.

This form is to be used in combination with a [Plumbing](#) or [Building](#) Permit Application when new or additional plumbing fixtures are to be installed in a new or existing single family residence and/or an accessory dwelling unit (ADU).

### WATER SYSTEM INFORMATION

Sewer District:  Kirkland  Northshore  Redmond  On Septic System

Water District:  Kirkland  Northshore  Woodinville  Bellevue

Distance from meter to most remote outlet (in feet): \_\_\_\_\_

Difference in elevation between meter and lowest fixture (in feet): \_\_\_\_\_

Difference in elevation between meter and highest fixture (in feet): \_\_\_\_\_

Pressure in street main (in psi, measured with a pressure gauge or check with water district): \_\_\_\_\_

Proposed or existing water meter size (measure or check with water district): \_\_\_\_\_

The total number and type of plumbing fixtures located within the single family residence and/or ADU must be entered into the table below. The resulting total fixture unit count is needed to determine what size water meter is required to serve the domestic water needs.

### FIXTURE UNIT CALCULATION

2015 UPC Table 610.3 - Number of Plumbing Fixtures (including rough-ins)				
Plumbing Fixtures	Accessory Dwelling Unit	Main Residence	Fixture Count x Multiplier	Fixture Units
Bar sink			x 1.0 =	
Bathtub or combo bath/shower			x 4.0 =	
Clothes washer			x 4.0 =	
Dishwasher			x 1.5 =	
Hose bibb, first			x 2.5 =	
Hose bibb, add'l			x 1.0 =	
Kitchen sink			x 1.5 =	
Laundry sink			x 1.5 =	
Lavatory (Bathroom sink)			x 1.0 =	
Lawn Sprinklers* (each head)			x 1.0 =	
Shower, stand alone (list each head)			x 2.0 =	
Water closet (toilet)			x 2.5 =	
Other:			x =	
			<b>Total Fixture Units:</b>	

If the total fixture unit count exceeds 39, an additional \$14,954 in Facility Charges for a 1" meter will be due at permit issuance. Completing the Alternate Fixture Unit Calculation using Table C 303.1(1) on Page 2 may result in a fixture unit count not exceeding 39.

\* See Lawn Sprinkler Exception on Page 2.

**ALTERNATE FIXTURE UNIT CALCULATION**

This approved alternate method of calculating fixture units typically results in a lower fixture count than when using Table 610.3 on Page 1. This table takes into consideration "groups" of fixtures, such as Kitchen Units, Bathroom Units, and Laundry Units, instead of looking at each individual fixture.

2015 UPC Table C 303.1(1) - Number of Plumbing Fixtures (including rough-ins)				
	Accessory Dwelling Unit	Main Residence	Fixture Count x Multiplier	Fixture Units
<b>Bathroom Groups</b> (select <u>one</u> that best reflects the <u>total</u> combination of full and half-baths)				
One Bathroom Group			x 5.0 =	
One and a Half Bathroom Groups			x 6.0 =	
Two Bathroom Groups			x 7.0 =	
Two and a Half Bathroom Groups			x 8.0 =	
Three Bathroom Groups			x 9.0 =	
<b>Additional Bathroom Groups</b> (for groups in addition to the above)				
Each additional Half-Bath or Powder Room			x 0.5 =	
Each additional Bathroom Group			x 1.0 =	
<b>Laundry Groups</b>				
Each Laundry Room (includes one Sink and one Clothes Washer)			x 5.0 =	
<b>Kitchen Groups</b>				
Each Kitchen Group (includes one Sink and one Dishwasher)			x 2.0 =	
<b>Additional Units</b> (fixtures and multipliers from Table 610.3 )				
Each additional Shower Head			x 2.0 =	
Each Clothes Washer (without a laundry sink)			x 4.0 =	
Lawn Sprinklers (each head)*			x 1.0 =	
Bar Sink			x 1.0 =	
Hose Bibb, first			x 2.5 =	
Hose Bibb, additional			x 1.0 =	
			<b>Total Fixture Units:</b>	

Notes:

1. A bathroom group, for the purpose of this table, consists of one water closet, up to two sinks, and either one bathtub or one shower.
2. A half-bath or powder room, for the purpose of this table, consists of one water closet and one sink.
3. See 2015 UPC Appendix C for scope and application of alternate plumbing systems.

**Lawn Sprinkler Exception**

Lawn sprinklers may be excluded from the fixture count and fixture unit count if the sprinklers are on a timer that operates only during periods of low water demand and the statement below is signed and dated.

I, \_\_\_\_\_, declare that the lawn sprinklers will be on a timer  
 (Printed Name of Owner or Owner's Agent)

that will operate the sprinklers during periods of low demand only.

Signature: \_\_\_\_\_

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