



# Water Supply Fixture Unit Calculation

Form #043

Address of Project Site: \_\_\_\_\_

A Water Supply Fixture Unit (W.S.F.U.) calculation shall be completed when a plumbing fixture is added to a dwelling (current *IL Plumbing Code 890.1200*); if fixtures are being added, indicate WSFU count on drawings:

	Total Number of Fixtures in House		Fixture Units	Total
Water Closet	_____	X	3	_____
Lavatory	_____	X	1	_____
Bathtub	_____	X	2	_____
Shower Stall	_____	X	2	_____
Kitchen Sink	_____	X	2	_____
Laundry Tray	_____	X	3	_____
Dishwasher	_____	X	1	_____
Clothes Washer	_____	X	2	_____

Current Meter Size: \_\_\_\_\_  
Current Water Service Line: \_\_\_\_\_

20-29 WSFU's requires a minimum 1" line; 20-29 WSFU's requires a minimum 1" meter  
30-24 WSFU's requires a minimum 1" line; 20-29 WSFU's requires a minimum 1" meter  
35-59 WSFU's requires a minimum 1-1/4" line; 35-59 WSFU's requires a minimum 1" meter  
60+ WSFU's requires a minimum 1-1/2" line; 60+ WSFU's requires a minimum 1-1/2" meter

If it is determined that the service is not properly sized for the proposed conditions there are two options:

1. Upgrade the water service
2. Conduct a flow test to verify water pressure at the completion of the project

A flow test is done at the end of the project to verify the water existing service size is adequate to support the new fixtures; the minimum constant water service pressure on the discharge side of the water meter shall be (at least) 20 psi, and the minimum constant water pressure at each fixture shall be at least 8 psi (or the minimum recommended by the fixture manufacturer). This test will be done by the plumber and witnessed by the inspector. If the pressure test fails, a water service upgrade will be required prior to the final certificate of occupancy being issued (current *IL Plumbing Code 890.1200*).

If a water service upgrade is required, the current water fees can be found on the [User Fee, License and Fine Schedule](#).

Water rate information can be found at [www.downers.us/res/water](http://www.downers.us/res/water).