

Water Supply Fixture Unit Calculation For Residential Use – Based on the Illinois Plumbing Code

Project Address: _____

FIXTURE	QUANTITY					FIXTURE UNITS	TOTAL
	Basement	1 st Flr	2 nd Flr	3 rd Flr	TOTAL		
Toilet w/flush tank						x 3	
Lavatory (sinks)						x 1 =	
Bathtub/shower						x 2 =	
Shower stall						x 2 =	
Kitchen sink						x 2 =	
Dishwasher						x 1 =	
Clothes Washer						x 2 =	
Laundry/utility tub						x 3 =	
Other:						x =	
Other:						x =	
						GRAND TOTAL	

Size Requirements listed below are from Appendix A, Table N of the Illinois Plumbing Code

GRAND TOTAL	SERVICE LINE	METER SIZE
10 - 19	1" line	5/8" meter
20 - 29	1" line	1" meter
30 - 34	1" line	1" meter
35 - 59	1 ¼" line	1" meter
60 - 99	1 ½" line	1 ½" meter

Please Note the Following:

- New houses with a fixture count of 35 or greater will require a 1 – 1 ½" line from water main to buffalo box.
- All rough-in plumbing must be included in fixture count.
- Check isometric drawings for fixture count verification.
- Do not count hose bibs.
- An existing ¾" line cannot support more than a total of 19 fixture units.
- According to Illinois plumbing code, a fixture count of 20 – 29 is a 1" line with a ¾" water meter. The Village of Downers Grove does not provide a ¾" water meter, so a 1" meter must be installed.

Note: A pressure test may be accepted in lieu of calculation requirements for remodeling projects. The test must be performed with approved procedures. All upgrades require a minimum of a 1" line.

Fixture Unit Calculation was performed by:

Name/Relationship to the Project

Date