



# City of Sarasota Public Works Department

## Water Meter Size Determination Form

Based on 2007 Florida Building Code, Appendix E  
Table E103.3 (2), Load Values Assigned to Fixtures

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

Type of occupancy: \_\_\_\_\_ Prepared By: \_\_\_\_\_

Residential:	Value	# of Fixtures	Fixture Unit Count
Bathroom (Toilet, Sink, Bath/Shower) Private Flush Tank	3.6		
Bathroom (Toilet, Sink, Bath/Shower) Private Flush Valve	8.0		
Bathtub - Private Faucet	1.4		
Bidet - Private Faucet	2.0		
Combination Fixture - Private Faucet	3.0		
Lavatory - Private Faucet	0.7		
Shower Head - Private Mixing Valve	1.4		
Water Closet - Private Flush Valve	6.0		
Water Closet - Private Flush Tank	2.2		
Water Closet - Private Flushometer Tank	2.0		
Dishwasher - Private Automatic	1.4		
Kitchen Sink - Private Faucet	1.4		
Laundry Tray (1 to 3) - Private Faucet	1.4		
Washing Machine (8lbs) Priv. Automatic	1.4		
Commercial:	Value	# of Fixtures	Fixture Unit Count
Bathtub - Public Faucet Type	4.0		
Lavatory - Public Faucet	2.0		
Shower Head - Public Mixing Valve	4.0		
Urinal - Public 1" Flush Valve	10.0		
Urinal - Public 3/4" Flush Valve	5.0		
Urinal - Public Flush Tank	3.0		
Water Closet - Public 1" Flush Tank	10.0		
Water Closet - Public 3/4" Flush Tank	5.0		
Water Closet - Public Flushometer Tank	2.0		
Kitchen Sink - Public Hotel/Restaurant	4.0		
Service Sink - Public Faucet	3.0		
Washing Machine (8lbs) Pub. Automatic	3.0		
Washing Machine (15lbs) Pub. Automatic	4.0		
Drinking Fountain - Public 3/8" Valve	0.3		
<b>Total Fixture Unit Count</b>			
<b>Estimated Peak Demand From Table E103.3 (3) in GPM</b>			
<b>Other Water Demands in GPM (See Notes Below)</b>			
<b>Total GPM Demand</b>			

**Water Meter Table**

Meter Size	5/8"	1"	1.5"	2"	3"	4"	6"	8"
Maximum Flow (GPM)	20	50	100	160	320	500	1000	1500
Maximum Fixture Units	21	128	375	695	1955	3657	8400	12600
Meter Size Required _____								

**GREEN BUILDING NOTES:**

1. In order to further the initiatives of green building practices, a reduction of gallons per minute for applicable fixtures may be taken, if proper documentation is presented with the building permit application.
2. Documentation of reduced flows must be in the form of manufacturers specification sheets.
3. If the flow reducing fixtures are not installed, the reductions will not be applicable and the meter size will be re-evaluated.

Pool on site \_\_\_\_\_ Spa on site \_\_\_\_\_ Irrigation on site \_\_\_\_\_ Well on site \_\_\_\_\_

Reuse on site \_\_\_\_\_ Commercial site \_\_\_\_\_ Fire line on site \_\_\_\_\_ Body of Water \_\_\_\_\_

Sewage Lift Station on site \_\_\_\_\_ Other \_\_\_\_\_

Owner/Contractor Signature \_\_\_\_\_