



Permit # \_\_\_\_\_

2006

## Water Meter Sizing and Impact Fee Form

***This form must be completed for ALL COMMERCIAL AND RESIDENTIAL building permit requests.\*\*\****

**\*\*\*Single Family Homes with 4999 living sf or less, with no more than 4 toilets are not required to complete this form UNLESS requesting a meter size other than 0.75".**

*Form is invalid if Owner or Contractor's notarized signature is not on final page.*

AR # : -----> Date:----->

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Name of Project: ----->

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Project Address:----->

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Submitted By:----->

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Company:----->

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Mailing Address:----->

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Phone:-----> Fax #:----->

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Email Address:----->

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If Master Metered, Permit # upon which meter is to be paid or existing meter account # ----->

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***Please Note:***

1. Meter size and impact fees must be calculated by total ERC value from Step 3 or Step 6, whichever is greater.
2. All commercial facilities must be metered separately from residential facilities with the exception of those commercial facilities that are within a master metered residential development and designed for the exclusive use of the residents within such development.
3. ERC values are rounded to the nearest tenth for determination of meter sizing and impact fees.

**Step 1:**

Determine total Equivalent Residential Connections (ERCs) from the following table:

Residential			
Domestic Demand			
	# of Units	ERC/unit	Total ERCs
Single Family*		1.00	
Multi Family			
0 to 750 ft <sup>2</sup>		0.33	
751 ft <sup>2</sup> to 1500 ft <sup>2</sup>		0.67	
1501 ft <sup>2</sup> +		1.00	
Accessory Demand			
	Quantity	FLOW (GPD)	ERCs (GPD/350)
Clubhouse/Pool			
Irrigation			
Other:			

*\*Single Family Homes - After providing # of Units, Skip to Step 5 unless Master Metered*

**Total Residential ERCs** \_\_\_\_\_

*Note: Round ERCs to the nearest tenth.*

**[Proceed to next page]**

**Step 2:**

Determine total Non-Residential ERCs from the following table:

Non Residential (Commercial, Institutional, etc...)					
Domestic Demand					
Type of Establishment*	Unit type**	# of Units	Flow ratio***	Flow of Establishment (GPD)	ERCs (GPD/350)
Accessory Demand					
			Quantity	Flow (GPD)	ERCs (GPD/350)
Clubhouse/Pool					
Irrigation					
Other:					

\* i.e.: restaurant, hotel, theater, etc.. (from Florida Administrative Codes, Land Development Codes, Ten States Standards, or other such recognized, verifiable source)

\*\* i.e.: restaurant seat, hotel room, theater seat, etc...

\*\*\* i.e.: 50 gpd per restaurant seat, 150 gpd per hotel room, etc... (from Florida Administrative Codes, Land Development Codes, Ten States Standards, or other such recognized, verifiable source)

Round ERCs to the nearest tenth.

Total Non-Residential ERCs: \_\_\_\_\_

**Step 3:**

Add Total Residential ERCs and Total Non-Residential ERCs from Steps 1 and 2.

Grand Total ERCs: \_\_\_\_\_

If Grand Total ERCs are less than 8.1 ERCs, then skip to Step 5; Otherwise, proceed to Step 4.

**Step 4:**

Using total ERCs from Step 3, determine meter size from ERC range provided in table below.

Meter Size	
ERC Range	Meter Size
8.1 to 54.9	3"
55.0 to 128.9	4"
129.0 to 357.9	6"
358.0 to 600	8"

Note: For installations in excess of 600 ERCs, multiple meter installations may be required.

Meter Size in Inches (from above table) \_\_\_\_\_

PUBLIC UTILITIES DEPT. USE ONLY	
Water Impact Fee	_____ (ERC total x \$2760)
Sewer Impact Fee	_____ (ERC total x \$3125)
Total	_____

[Proceed to next page if Grand Total ERCs from Step 3 are less than 8.1]

**Step 5:**

Enter # of Fixtures of each Fixture Type, then multiply by appropriate Value to get Fixture Value\*  
 \*Other.

Fixture Supply Outlet	Flow Rate (in gpm)	# of Fixtures	Total flow value
<b>Automatic clothes Washer</b>			
Commercial a.g	3	x	=
Residential g	2	x	=
<b>Bathroom group</b>			
As defined in FL Plumbing Code Section 202 (1.6 gpf water closet)	5	x	=
202 (water closet flushing greater than 1.6 gpf)	6	x	=
Bathtub	4	x	=
Bidet	2	x	=
Combination fixture	4	x	=
Dental unit or cuspidor	1		
Dishwasher, residential	2.75	x	=
Drinking fountain	0.75	x	=
Kitchen sink, domestic	2		
Laundry tray	4	x	=
Lavatory	2	x	=
Shower	3	x	=
Sillcock, hose bibb	5	x	=
<b>Sink</b>			
Residential	2.5	x	=
Service	3	x	=
<b>Urinal</b>			
Standard	4	x	=
1 gallon per flush or less	2	x	=
Valve	15	x	=
Wash sink (circular or multiple) each set of faucets	2	x	=
<b>Water Closet</b>			
Blow out, flushometer valve	35	x	=
Flushometer tank	1.6	x	=
Siphonic, flushometer valve	25	x	=
Tank, close coupled	3	x	=
Tank, one piece	6	x	=
<b>Misc. Connections</b>			
3/8" Connection	2.5	x	=
1/2" Connection	5	x	=
3/4" Connection	15	x	=
1" Connection	25	x	=
1 1/4" Connection	35	x	=
<b>Other:</b>			
Multiple Flush Valves: See table in margin.		x	=
		x	=
		x	=
<b>Total Fixture Value per Unit</b>			<b>0</b>

Number of Flush Valves	GPM
1	15
2	21
3	22
4	23
5	24
6	25
7	26
8	27
9	28
10	29

\*Information and values in accordance with Florida Plumbing Code (http://www.floridabuilding.org/BCISOld/bc/default.asp) **Number of units in this building** = \_\_\_\_\_

For any fixtures not listed, refer to the current Florida Plumbing Code and enter appropriate description and value under 'Other'.

Please call Public Utilities at (239) 530-6237 with any questions. **Grand Total Flow Value** (Per Unit Total x # of Units) = \_\_\_\_\_

Buildings with more than 10 flush valves will be handled on a case-by-case basis.

**Step 6:**

Determine flow rate using Florida Plumbing Code

Grand Total Flow Value \_\_\_\_\_ GPM \_\_\_\_\_ ERC Total \_\_\_\_\_ *Note: Round ERCs to the nearest tenth.*  
 (from Step 5)

Flow ≤ 24 gpm -- 1 ERC  
 Flow > 24 gpm -- 1 + [(GPM - 24)/20] = Number

**Step 7:**

**Please Note:**

1. Meter size and impact fees must be calculated by total ERC value from Step 3 or Step 6, whichever is greater.
2. All commercial facilities must be metered separately from residential facilities with the exception of those commercial facilities that are within a master metered residential development and designed for the exclusive use of the residents within such development.
3. ERC values are rounded to the nearest tenth for determination of meter sizing and impact fees.

ERC Total \_\_\_\_\_ *Please enter total from Step 3 or Step 6, whichever is greater.*

Determine meter size.

Meter Size	ERC Range		Tapping Charge	Reduced Pressure Backflow Device**	Double Check Valve Backflow Device**
0.75	0.0	1.0	\$633.42	\$196.38	\$95.66
1.00	1.1	2.5	\$671.90	\$214.62	\$105.67
1.50	2.6	5.0	\$774.44	\$298.83	\$267.29
2.00	5.1	8.0	\$896.70	\$365.58	\$308.86
3.00	8.1	54.9	Installed by contractor		
4.00	55.0	128.9			
6.00	129.0	357.9			
8.00	358.0	600.0			

*Note: For installations in excess of 600 ERCs, multiple meter installations may be required.*

Meter Size in Inches (from above table) \_\_\_\_\_

<b>PUBLIC UTILITIES DEPT. USE ONLY</b>	
Water Impact Fee _____	\$0.00 (ERC total x \$2760)
Sewer Impact Fee _____	\$0.00 (ERC total x \$3125)
Meter Tapping Charge _____	\$633.42
<b>Total</b>	<b>\$633.42</b>

**Attention:**

1. Additional fees may apply if a backflow device is deemed necessary by the Water Distribution Department.
2. Impact fees for meters larger than calculated using this worksheet will be based on the lowest ERC value for the requested size.

Under penalties of perjury, I declare that I have entered and read the foregoing application information and that the facts stated are true:

\_\_\_\_\_  
 Typed or Printed Name of Owner or Authorized Representative

\_\_\_\_\_  
 Signature of Owner or Authorized Representative

[Notary block]

SUBSCRIBED AND SWORN to before me this \_\_\_\_ day of \_\_\_\_\_, 200\_\_.

by \_\_\_\_\_,

who is personally known \_\_\_\_\_ OR produced identification \_\_\_\_\_.

Type of identification produced \_\_\_\_\_.

S/  
 Notary Public

My Commission Expires:

\_\_\_\_\_  
 Notary Printed or Typed Name (if not on stamp)