

EASTPOINT WATER AND SEWER DISTRICT
EQUIVALENT RESIDENTIAL CONNECTION DETERMINATION
(ERC = 220 GPD)

The following information was prepared for Eastpoint Water and Sewer District (EWSD). Effective 07-29-04, the EWSD has adopted a water capacity demand charge of \$1,400.00 and a sewer capacity demand charge of \$2,575.00 per ERC inside the District Boundaries for non-residential connection. For properties outside the taxing district a 33.5% surcharge is assessed. An ERC means an "Equivalent Residential Connection". For the purposes of calculating and imposing the connection fee charges for a connection, and for the purpose of calculating average daily water flow the ERC factor for any connection shall be calculated and imposed in the following manner:

1 ERC inside the District = \$3,975.00

1 ERC outside the District = \$5,307.00

<u>Establishment</u>	<u>Unit</u>	<u>Factor</u>
Residential	Per Unit	1.000
Commercial		
Auditorium	Per Seat	0.017
Barber/Beauty Shop	Per Opr. Sta.	0.300
Bowling Alley	Per Lane	0.333
Food Service		
Restaurant/Cafeteria	Per Seat	0.100
Restaurant (24 Hours)	Per Seat	0.167
Restaurant ("Fast Food")	Per Seat	0.050
Bar/Cocktail Lounge	Per Seat	0.067
Hotel, Motel (not including food services, banquet, meeting rooms, and laundries)		
	Per Room	0.500
Industrial Building (not including food service; not including industrial waster flows)		
Without Showers	Per Employee	0.050
With Showers	Per Employee	0.117
Note: Industrial water flows to be determined on fixture unit basis unless the EWSD agrees to alternative flow calculations.		
Laundry/Self-Service	Per Machine	1.333

Motel (see Hotel)

<u>Establishment</u>	<u>Unit</u>	<u>Factor</u>
Office Building (add food service and retail space)	1000 sq. ft.	0.334
Service Station	Per Bay	1.000
Add:	Per Wash Bay	3.200
Add:	Per Toilet Room	1.000
Theater	Per Seat	0.010
Theater (Dinner)	Per Seat	0.067
Trailer Park/RV Park	Per Space	0.333
Add:	Office	1.000
Add:	Bath House	2.000
Add:	Laundry	2.000
Dentist Office	Per Exam Room	0.833
	Per Wet Chair	0.667
Doctor Office	Per Doctor	0.833
Church	Per Seat	0.017
Hospital	Per Bed	0.833
Nursing Home	Per Bed	0.417
Warehouse-Office:	Use fixture units for warehouse area and see Office category for calculating ERU's in that area. Add for food service and add retail space if applicable.	
Meeting and/or Banquet Rooms (total sq. ft./15 sq. ft./person x .017 #of seats)	Per Seat	0.017
Automotive Repair & Maintenance Store	Per Bay	0.250
Retail Store/Self Service Gas Pumps	Per Restroom	1.000
	(Add remaining fixture Unit)	
Medical Care Facilities	Per Exam Room	0.500
Extended Care Facilities	Per Efficiency	0.500
Convenience Store	User Fixture Units	
Schools, Middle & High	Per Student	0.067
Schools, Elementary & Nursery	Per Student	0.025

GENERAL NOTES:

1. One (1) equivalent residential connection (ERC) shall, for the purposes of this Section, have an assigned value of 1.000. One (1) ERC is hereby established and determined to be equal to a flow of 220 gallons per day (GPD), average annual basis. The “total equivalent residential connection value” for an establishment shall be calculated by multiplying the ERC factor listed above times the number of units.
2. For all establishments not listed above, the total equivalent residential connection (ERC) value shall be determined by multiplying the number of fixture units, as published in the Standard Plumbing Code, by twenty-five (25), and then dividing that numerator by 220. For Example:

$$\text{Total ERC Value} = \frac{\text{Number of Fixture Units} \times 25}{220}$$

Example:

<u>Fixture</u>	<u>Units</u>
Sink	1 each = 2
Urinals	2 each = 8
Water Closets	7 each = 42
<u>Shower</u>	<u>1 each = 2</u>
 Total	 = 54

$$\frac{54 \text{ Units} \times 25}{220} = 6.14 \text{ ERC's}$$

3. In no event shall the total ERC value used to calculate a water capacity demand charge for any separate establishment be less than 1.000.