

City of Fort Walton Beach
Determination of Equivalent Residential Connections (ERCs)
for Water and Wastewater Impact Fees

Pursuant to City of Fort Walton Beach Ordinance No. 1461, adopted January 8, 2002, the number of Equivalent Residential Connection (ERC) Units shall be provided by the applicant, as set forth in Chapter 10 of the Code of Ordinances, for the purpose of calculating and imposing the Water and Wastewater Impact Fees. It is the applicant's choice as to which calculation option shall be used to determine the number of ERCs for the development. Form must be signed and dated. If Option II is utilized, the results must be signed and sealed by a licensed engineer or architect in the State of Florida.

Owner: _____ Applicant: _____
Address: _____ Address: _____
Phone: _____ Phone: _____

Name of Development: _____ Address of Development: _____
Lot No.: _____ Block: _____ Subdivision: _____
Parcel ID No.: _____

Option I: ERC Calculation by ERC Units and Factors, as specified by the table provided below:

Type of Establishment: _____
ERC Unit: per _____ No. of ERC Units: _____ ERC Factor: _____ ERCs: _____
Calculation: _____ (No. of ERC Units) x _____ (ERC Factor) = _____ ERCs

Option II: ERC Calculation by Average Daily Demand/Flow:

Type of Establishment: _____
Water Average Daily Demand = _____ gpd = _____ Total Water ERCs
350 gpd / ERC
Sewer Average Daily Demand = _____ gpd = _____ Total Sewer ERCs
300 gpd / ERC
Calculation: _____

Use of Option II must be certified by a Florida Registered Engineer or Architect.

I _____, (title) _____
hereby certify that the above calculation is true and correct.

Signature _____ Date _____ Engineer's / Architect's Seal
Approved by the Engineering & Utility Services Department: _____
(if using Option II)

Signature _____ Date _____

Table of Residential ERC Units and Factors for Option I in ERC Determination.

Type of Establishment	ERC Unit ⁽¹⁾	Factor
<i>Residential:</i>		
Single Family	Per Dwelling	1.000
Multi-Family*	Per Dwelling Unit	0.800
Adult Living (Assisted Living)	Per Bed	0.500
House Boat/Live in Boat	Per Dock Slip	1.000
Transient Lodging (Hotel and Motel)	Per Unit/Room	0.500
Bed & Breakfast	Per Establishment	1.000
Add	Plus Per Bedroom for Rent	0.250
*Includes condominiums, cooperatives, apartments and town homes.		

Table of Commercial & Other Uses ERC Units and Factors for Option I in ERC Determination.

Type of Establishment	ERC Unit ⁽¹⁾	Factor
<i>Commercial:</i>		
Auditorium	Per Seat	0.019
Barber/Beauty Shop	Per Chair	0.357
Bowling Alley	Per Lane	0.333
Laundromats (Self-Service)	Per Machine	1.330
Dry Cleaning	Per 100 sq. ft.	1.900
Automotive Repair & Maintenance Stores	Per Bay	0.500
Gas Sales	Per Bay	1.132
Add	Per Wash Bay	3.663
Add	Per Toilet	1.132
Car Wash Self Service	Per Bay	3.200
Car Wash Automatic	See Notes e & f	
Shopping Centers	See Notes e & f	
Office Building	Per 1,000 SF	0.3500

Type of Establishment	ERC Unit ⁽¹⁾	Factor
<i>Food Service:</i>		
Restaurant, Conventional	Per Seat	0.100
Restaurant (24 hours)	Per Seat	0.167
Restaurant ("Fast Food")	Per Seat	0.050
Bars/Lounges	Per Seat	0.067
<i>Other:</i>		
Theater	Per Seat	0.009
Dinner Theater	Per Seat	0.075
Dental Office	Per Chair	0.214
Medical Office	Per Exam Room	0.571
Medical Clinic	Per Exam Room	0.571
Church	Per Seat	0.009
Schools (Middle & High)	Per Student	0.071
Schools (Elementary, Day Care, Pre-K, Kindergarten)	Per Student	0.046
Schools (Boarding)	Per Student	0.286

- (1) ERC Measurement Unit. The number of ERC measurement units, as provided by the applicant, approved and/or adjusted by the city, shall be based upon the maximum number of such ERC measurement units associated with the criteria used by the city's building department and/or fire marshal for such establishments. The number of square feet shall be based on the enclosed area.
- (a) One Equivalent Residential Connection (ERC) shall, for the purposes of this section, have an assigned value of 1.00. For water customer capacity, one ERC is hereby established and determined to be equal to a flow of 350 gallons per day (GPD), average annual basis, or such other value as may be later approved or determined by the city. For wastewater customer capacity, one ERC is hereby established and determined to be equal to a flow of 300 GPD, average annual basis.
 - (b) The "total equivalent residential connection value" for an establishment shall be calculated by multiplying the ERC factor identified above by the number of ERC units.
 - (c) Mixed-use establishments (i.e. establishments which utilize water and wastewater capacity under several categories) shall have their impact fees calculated based on the sum of the individual categories applicable to the establishment. The minimum customer capacity requirement (i.e. ERC) shall be based on the highest minimum for any applicable category.
 - (d) For existing establishments that are issued additional building or plumbing permits which will subsequently increase the amount of capacity needed, or if a facility formerly classified as residential is reclassified, the impact fee shall be computed based on the difference in ERCs between the old and new classification. Should the new classification result in a customer capacity demand that is less than the previous, no rebate for fees paid shall be applicable.

- (e) For all establishments either not listed above or listed without specific ERC units and factors, the total ERC value for water customer capacity shall be determined by dividing the numerator that is equal to the average daily demand (as provided in a certificate from the architect or engineer) by 350 gallons per day (gpd). For example:

$$\text{Total Water ERCs} = \frac{\text{Average Daily Demand}}{350 \text{ gpd/ERC}}$$

The Water Impact Fee shall be determined by using the following formula:

$$\text{Total Water ERCs} \times \$(\text{ERC cost in CFS}) = \text{Water Impact Fee}$$

- (f) For all establishments either not listed above or listed without specific ERC units and factors, the total ERC value for wastewater customer capacity shall be determined by dividing the numerator that is equal to the average daily flow (as provided in a certificate from the architect or engineer) by 300 gallons per day (gpd). For example:

$$\text{Total Wastewater ERCs} = \frac{\text{Average Daily Demand}}{300 \text{ gpd/ERC}}$$

The Wastewater Impact Fee shall be determined by using the following formula:

$$\text{Total Wastewater ERCs} \times \$(\text{ERC cost in CFS}) = \text{Wastewater Impact Fee}$$

- (g) Applicants must complete an ERC Determination Form provided by the City that calculates the ERC value for water and wastewater either by using the table of uses or by determining the average daily flow of the development and using the formulas above. If the average daily flow method is used in the determination of the ERC value, the ERC Determination Form must be signed and sealed by a Professional Engineer licensed in the State of Florida.
- (h) Any new development or redevelopment of property that has not had an active water meter account prior to the effective date of Ordinance No. 1461, which was May 1, 2002, shall be assessed water and wastewater impact fees. Impact fees shall also apply to any new development or redevelopment of property that includes a change of use that will result in a higher water and/or wastewater demand.
- (i) To find the current Equivalent Residential Connection cost in the Comprehensive Fee Schedule(CFS), visit the Finance Department at the website: <https://fwb.org>