

ERC CALCULATION TOOL

HOW TO CALCULATE YOUR ESTIMATED ERCs

Please use the usage table on the following page to estimate the total number of potable water and wastewater ERCs for your project/property. Commercial, Institutional and other units that are not identified in this table shall conform to Rule 64E-6.008, Florida Administrative Code. In the event your use is not covered in the following table or in said Rule, the District reserves the right to charge an ERC based upon the meter size, utilizing the meter size and corresponding ERC count in the Single-Family Residence row in the table. Final ERC calculations will be determined by the District upon review of the submitted application. As used in the usage table, “GPD” means gallons per day, and “GPCD” means gallons per capita per day. Buildings/properties/projects that contain multiple uses will be calculated based upon all uses in the structure.

For example, applying the usage table, the ERC calculation for an office building that contains a restaurant will be as follows: ERC calculation based upon the square footage, together with the ERC calculation based upon the number of seats in the restaurant.

A single ERC shall be one hundred twenty five (125) gallons per day for potable water and one hundred thirteen (113) gallons per day for wastewater, subject to change from time to time by the District based on periodic updated analyses of Customer usage patterns. The District reserves the right to amend the definition of ERC at any time and from time to time. For purposes of calculating ERCs, the gallonage of potable water assumed are compared to the 125 GPD equating to a single ERC of potable water; and that number of potable water ERCs shall also be used for the wastewater ERC count.

For example, a 7,500 square foot bank would calculate the ERCs as follows: $20.4 \text{ GPD} \times (7,500 \text{ square feet} / 1,000 \text{ square feet}) = 153 \text{ GPD}$; $153 \text{ GPD} / 125 \text{ GPD} = 1.22 \rightarrow 2 \text{ ERCs}$ of potable water and 2 ERCs of wastewater.

The above ERC calculations are used for the sole purpose of reserving capacity in the Utility System, and are not to be used for design and engineering purposes of Owner (or Customer) provided utility facilitates. They should not be substituted for the sound engineering principals and calculations performed by an Owner’s or Customer’s engineer. Actual daily usage may vary—higher or lower—than these assumptions. Each Owner and Customer is advised to consult with an engineer and refer to the Babcock Ranch Community Design and Specification Manual when designing its facilities, whether onsite or offsite, or internal to a structure.

ERCs per Gallon	Water/Waste Water
Use/Building	
Single-Family Residence (includes any individually metered townhome, condominium or mobile home)	¾" Meter 1 ERC
	1" Meter 2.5 ERC
	1½" Meter 5.0 ERC
	2" Meter 8.0 ERC
	Greater than 2" Meter Check with District
Apartments	60 GPD per unit
Townhouse/Condo Residences (if master metered)	67.8 GPD per unit
Arcades/Slot-machine seating (no food service)	1.8 GPD per seat
Restaurants, Bars, Cocktail Lounges, Fast Food	12 GPD per seat
Bars, Cocktail Lounges or Pubs (not serving or preparing food)	7.2 GPD per seat
Bank	20.4 GPD per 1,000 Sq. Ft.
Beauty Salons/Barber Shops operating < 8 hours/day	30 GPD per chair
Beauty Salons/Barber shops operating > or equal to 8 hours/day	45 GPD per chair
Boarding Schools (student and staff)	45 GPCD
Bowling Alleys (toilet wastes only, per lane)	30 GPD per lane
	12 GPD per bar and restaurant seat
Bath House	180 GPD per unit
Car Wash	720 GPD per bay
Country Clubs (per member)	3 GPD
Country Clubs (per bar and restaurant seat)	12 GPD per bar and restaurant seat
Day Schools (student and staff)	3.6 GPCD
	2.4 GPCD if shower
	2.4 GPCD If Cafeteria
Doctor's Office	30 GPD per physician
Drug Store	66.6 GPD per 1,000 Sq. Ft.
Dry Goods/Retail Store	66.6 GPD per 1,000 Sq. Ft.
Factories (With Showers)	18 GPCD
Factories (Without Showers)	6 GPD per 100 Sq. Ft.
Gas Stations (without food preparation, per restroom)	135 GPD
Hospitals (in-patient services only, with or without Laundry)	120 GPD/bed + out-patient labs (medical center operations and other facilities calculated according to this table)

Hotels and Motels	75 GPD per room or unit +
	12 GPD per restaurant and bar seat
Laundromats	135 GPD per washer
Mobile Home Park (master metered)	75 GPD per trailer
Movie Theaters, Auditoriums, Churches	1.8 GPD per seat
Churches	1.8 GPD per seat or 1.8 GPCD if no seat
Nursing Homes	60 GPD per bed
Office Buildings (excludes Medical Offices, Dental Offices, refer to FAC 64+6.008 for these occupancies)	6 GPD per 100 Sq. Ft.
Public Institutions (other than those listed herein)	45 GPCD
Stadiums, Frontons, Ballparks, etc.	1.8 GPD per seat
Stores/Retail operations (without kitchen wastes)	3 GPD per 100 Sq. Ft.
Speculative Buildings	30 GPD + 10 GPD per 100 Sq. Ft.
	6 GPD per 100 Sq. Ft.
Swimming Pool	GPD equal to 1% of pool capacity (in gallons)
Warehouses (each unit)	18 GPD + 6 GPD per 1000 Sq. Ft.
Fitness Center	159.6 GPD per 1,000 Sq. Ft.