

# DEPARTMENTAL POLICY

To: USD Staff

From: John Polley  
Director

Subject: Calculation of Equivalent Residential Connection (ERC) for Reservation of Water and/or Wastewater Capacity for Developments connecting to the Martin County Water and Wastewater Systems

Revised by: Phil Keathley  
Project Manager

Effective Date: 1/26/12

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## PURPOSE

To establish a consistent procedure for calculating Equivalent Residential Connections (ERC's) to be used for reservation of water and/or wastewater capacity for developments connecting to the Martin County Water and Wastewater Systems.

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## POLICY

To obtain a reservation of water and/or wastewater capacity from Martin County for the provision of water and/or wastewater service, the developer must calculate the needed reservation in the form of ERCs. Consumption of water at the rate of 250 gallons per day (gpd) on an average daily flow basis shall be considered equal to one ERC.

For non-residential development, the developer's representative must base the calculation for ERCs on FAC 64E-6.008 "System Size Determination" for water and/or wastewater capacity only. Except, the section regarding "Food Operations", lines (a.) through (d.) are eliminated and shall be calculated at 16 gallons per seat per day with a minimum of 1 E.R.C. Proposed irrigation by potable water will be calculated separately. The calculation must be prepared, signed and sealed, by a Florida licensed professional engineer or landscape architect.

For residential development, the reservation of capacity will be based on one (1) single-family unit equal to one (1) ERC for water and/or wastewater capacity only. Three or more dwelling units within one building shall be considered multi-family units. Multi-family units shall be equal to 1/2 an ERC. Any proposed irrigation by potable water shall be calculated at one (1) ERC of water capacity per unit. However, each non-residential activity within a residential development shall be calculated separately in accordance with the non-residential development criteria described above.

## DEFINITIONS:

### Capital Facility Charges:

A charge for capital costs of water and/or wastewater supply, treatment and transmission facilities, which shall consist of construction and associated costs. Construction costs include the cost of installation of the plants, pipelines, special fittings, valves, pumps and appurtenances and

## DEPARTMENTAL POLICY

the cost of acquiring permanent and construction easements. Associated costs include engineering, legal and fiscal services. The CFC does not include the cost of constructing water distribution or wastewater collection systems.

### Development:

Development has the meaning given it in F.S. 380.04.

### Developer:

The owner of a parcel of land within the County's water and wastewater consolidated system service area and is desirous of purchasing water and wastewater treatment service from the County.

### Equivalent Residential Connections (ERCs):

A factor used to convert a given annual daily flow (AADF) to the equivalent number of units required for connection to the County system. For residential purposes, all single family units, shall constitute one ERC. For non-residential use one ERC shall equal two hundred and fifty (250) gallons per day (AADF).

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## PROCEDURE

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Developer shall submit a request for reservation of capacity in the form requested by Martin County Utilities and Solid Waste Department. The reservation of capacity request must include the calculation of ERCs needed to adequately supply the proposed existing Development with water and/or wastewater service. The Utilities and Solid Waste Department Staff shall review and either approve the request or submit comments to the developer concerning the request and/or calculations.

Once the Technical Services Administrator or his designee has approved the calculation, the developer will be able to reserve water and wastewater capacity either through execution of a water and wastewater service agreement or payment of Capital Facility Charges (CFCs).

Once the reservation of capacity has been determined by the calculation of ERC's and the execution of the water and wastewater service agreement, the reservation of capacity will be recorded in the official records as part of the water and wastewater service agreement. The Developer, property owner(s) or subsequent assignees to the water and wastewater service agreement shall not recalculate the reservation of capacity (ERC's).

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John Polley, Utilities & Solid Waste Director

### Suppression History:

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