



STORMWATER UTILITY FEE MANUAL

City of Anderson, South Carolina

October, 2007

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A Stormwater Utility Fee is imposed on each parcel of land within the City of Anderson. The monthly utility fee for all property is based on the Equivalent Residential Unit (ERU). This is a descriptive value based on the total gross area and the amount of impervious surface within each parcel. An impervious surface is any surface which does not allow water to pass through to the soil. Rooftops, driveways, parking lots and streets are familiar examples of impervious surfaces. There will be two types of charges: a residential fee and a non-residential fee.

Residential Fee

Each residential property is equal to one ERU and will be assigned a \$4.00 monthly fee which will appear as a separate fee on the City of Anderson Water Bill.

Non-residential Fee

The ERU is also used to generate a monthly stormwater fee for each non-residential property which is based on the universal residential stormwater fee of \$4.00/month. The ERU becomes the common denominator by which non-residential properties are evaluated. The City used a Runoff Coefficient (C) to relate impervious area to the intensity of development or landuse of a parcel. The landuse types and associated Runoff Coefficients (C) are applied to the various parcel landuses using the following table:

Landuse	Runoff Coefficient (C)
Church	0.60
Commercial	0.80
Industrial	0.80
Institutional	0.65
Multi Family Residential	0.70
Parking	0.80
Public / Parks & Recreation	0.25
Single Family Residential	0.40
Vacant	0.20

For a non-residential parcel the bill is determined through a variable rate approach using the following formula:

$$\text{Monthly Non - residential Stormwater User Fee} = \frac{A_{NR}}{A_R} \times \frac{R_{NR}}{R_R} \times ERU_{\text{Rate}}$$

Where:	A_{NR} =	Non-residential Parcel Area (Acres)
	R_{NR} =	Non-residential Runoff Coefficient
	A_R =	Average Residential Parcel Area (Acres) = 0.4 Acres
	R_R =	Average Residential Runoff Coefficient = 0.4
	ERU_{Rate} =	Equivalent Residential Unit = \$4.00/month

Example: A given commercial property has an area of 2.0 acres. The monthly stormwater fee is calculated as follows:

$A_{NR} =$	2.0 acres
$R_{NR} =$	0.80 (from Runoff Coefficients (C) table on previous page)
$A_R =$	0.4 acres
$R_R =$	0.4
$ERU_{Rate} =$	\$4.00/month

Therefore,

$$\text{Monthly Stormwater Fee} = \frac{2.0 \text{ acres}}{0.4 \text{ acres}} \times \frac{0.80}{0.4} \times \$4.00$$

$$\text{Monthly Stormwater Fee} = \$40$$

Minimum Charge

There is a minimum charge that is assessed to accommodate all additional public runoff that does not originate from private property. The monthly minimum charge per parcel is set at \$4.00 regardless of parcel size and Runoff Coefficient (C).

Stormwater Fee Credit for Non-residential Customers

The award of a Stormwater Fee Credit is administrative recognition of the intrinsic value of a variety of significant storm water management activities provided by large non-residential and non-agricultural customers. Viable credit applications will result in the reduction of an applicant's Fee for as long as the criteria listed below has been met. The per-parcel adjusted Fee may not be reduced below the minimum charge described in the "Minimum Charge" section above and may be reduced by up to 50 percent of the total original fee. This Manual establishes eligibility criteria and application procedures to determine the proportional amount of Fee Credit due to providers of these benefits.

It is the City's intent to award a fee credit to those properties that reduce the impact of development and reduce water quality impairment on the drainage system and the environment on a large scale. Therefore, credits can only be considered for properties meeting the following criteria:

1. Properties must be over 150 acres in area.
2. The total impervious area of a property can not exceed twenty (20) percent of the total area for a property.

A total maximum of a 50% credit against the Fee may be granted. The following criteria shall apply:

- The maximum allowable credit percentage = 50%.
- The adjusted ERU includes the credit for both water quantity and water quality.