



Town of Williston

Stormwater Fee

Non-Single Family Residence Example Calculation

Monthly stormwater fees for non-single family residence (NSFR) properties will be calculated using the steps defined below.

The amount of impervious surface on each parcel shall be divided by the gross area of the parcel resulting in the percent of imperviousness for the parcel. The resulting value is rounded to the nearest whole number. In those instances when the calculation produces a value exactly half-way between two numbers, that is when the fraction part is exactly 0.5, the fraction is rounded up to the next whole number.

For example, assume that a commercial or other NSFR property has 23,000 square feet of impervious coverage located on a parcel of 100,000 square feet. The below equation demonstrates the % impervious of the property.

$$\% \text{ Impervious} = \frac{\text{Total Impervious Area}}{\text{Gross Area}} = \frac{23,000 \text{ sf}}{100,000 \text{ sf}} \times 100 = 23\%$$

Based on the % imperviousness, a "tier factor" shall be determined using the Williston Percent Impervious Tiers Table below. As the % impervious is calculated at 23% the appropriate Tier Factor for this property is 0.25.

Impervious Percentage	Tier Factor
1 to 10 %	*See Below
11 to 20 %	0.15
21 to 30 %	0.25
31 to 40 %	0.35
41 to 50 %	0.45
51 to 60 %	0.55
61 to 70 %	0.65
71 to 80 %	0.75
81 to 90 %	0.85
91 to 100 %	0.95

The number of Tiered ERUs can then be calculated using the below equation.

$$\text{Tiered ERUs} = \frac{\text{Tier Factor} \times \text{Gross Area}}{\text{ERU}} = \frac{0.25 \times 100,000}{4,000} = 6.25$$

Rounding up results in 7 ERUs.

Lastly, the monthly fee can be calculated based on the number of ERUs and the ERU Rate of \$4.25.

$$\text{Monthly fee} = \text{Tiered ERUs} \times \text{ERU Rate} = 7 \times \$4.25 = \$29.75$$

As shown in the following example, the resulting monthly stormwater bill for the depicted NSFR property equals \$29.75 per month.