

# Implementation of a Stormwater Enterprise to Fund MS4 Permit Compliance & Municipal Stormwater Needs

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# Stormwater Enterprise Working Group

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# What is an MS4?

## Municipal Separate Storm Sewer System (MS4)

All man-made stormwater collection and conveyance infrastructure owned by the municipality.

Drain Pipes  
Drain Manholes  
Catch Basins  
Outfalls  
Culverts  
Man-made Channels / Swales  
Infiltration / Detention / Retention Basins  
Treatment Structures



# Permit Compliance & Other Stormwater Needs

- Drainage System: 34 miles of pipe, 1,583 catch basins, 437 storm drain manholes, 281 municipal outfalls & 130 culverts
- MS4 Permit Intent: Develop, implement, and enforce a stormwater management program to reduce the discharge of pollutants from the MS4, protect water quality, and satisfy the Clean Water Act.
- Fines for Non-Compliance: \$5,000 to \$50,000 per day
- Competing Stormwater Needs: MS4 Permit compliance, Reducing localized flooding, Managing increased frequency of extreme storm events, Identifying and rehabilitating failing drainage infrastructure, and Predictive maintenance.



# Estimated Budgetary Needs

	FY25	FY26	FY27	FY28	FY29
<b>New Expenses - DIRECT</b>					
MS4 Permit Compliance	\$152,000	\$160,000	\$168,000	\$176,000	\$185,000
Catch Basin Cleanings/ Street Sweepings Disposal	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
New Street Sweeper (5-yr loan)	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000
Treatment Structure Maintenance	\$50,000	\$50,000	\$50,000	\$25,000	\$25,000
Inspection/Mapping Updates	\$50,000	\$50,000	\$50,000	\$0	\$0
Drain Replacement/Repairs	\$0	\$150,000	\$150,000	\$0	\$150,000
<b>NEW DIRECT TOTAL</b>	<b>\$457,000</b>	<b>\$615,000</b>	<b>\$623,000</b>	<b>\$406,000</b>	<b>\$565,000</b>
<b>New Expenses - INDIRECT</b>					
MS4 Loan Service	\$108,110	\$106,518	\$106,542	\$106,565	\$106,589
<b>NEW INDIRECT TOTAL</b>	<b>\$108,110</b>	<b>\$106,518</b>	<b>\$106,542</b>	<b>\$106,565</b>	<b>\$106,589</b>
<b>Existing Expenses - DIRECT</b>					
Culverts	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Country Drainage Projects	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
Frame/Cover Replacement	\$25,000	\$0	\$25,000	\$0	\$25,000
Other Infrastructure Maintenance	\$35,000	\$50,000	\$50,000	\$25,000	\$25,000
<b>EXISTING DIRECT TOTAL</b>	<b>\$110,000</b>	<b>\$100,000</b>	<b>\$125,000</b>	<b>\$100,000</b>	<b>\$100,000</b>
<b>Total Budget</b>	<b>\$675,110</b>	<b>\$821,518</b>	<b>\$854,542</b>	<b>\$612,565</b>	<b>\$771,589</b>

# What is a Stormwater Enterprise Fund?

- Payment for stormwater management, operation, and maintenance provided by the Town.
- Fees collected from property owners based on a property's impact on the storm drain system in addition to usage of roadways and sidewalks.
- Flat and/or Individual Fees based on a common unit.
  - An Equivalent Residential Unit (ERU) is the amount of impervious area on a typical single-family residential property.
  - Groups (or Blocks) of billing rates
- Rates based on actual costs for stormwater management.

## Impervious Area:

- Roadways
- Rooftops
- Sidewalks
- Parking Lots
- Driveways

# Parcel Type and Total Impervious Area

Parcels categorized into two groups

1. Small Residential: 1 to 4-family homes
2. Large Residential/Non-Residential: 5+ family homes, commercial, industrial, tax-exempt properties

Parcel Type	Number of Parcels	Percent of Parcels	Impervious Area (SF)	Percent of Impervious Area
Small Residential	4,145	88%	18,794,721	55%
Large Residential/ Non-Residential	554	12%	15,462,414	45%
<b>TOTAL</b>	<b>4,699</b>	<b>100%</b>	<b>34,257,135</b>	<b>100%</b>

# Proposed Stormwater Fee Structure

Parcel Type	ERU Range	No. of Parcels	Total ERUs	Block Coefficient	ERU Rate	Flat Rate	Fees Collected
Small Residential							
Single Family Residential	-	3,643	-	-	-	\$105.00	\$382,515
Two-Family Residential	-	335	-	-	-	\$105.00	\$35,175
Three-Family Residential	-	84	-	-	-	\$105.00	\$8,820
Four-Family	-	30	-	-	-	\$105.00	\$3,150
Multiple Houses	-	38	-	-	-	\$105.00	\$3,990
Accessory Land	-	15	-	-	-	\$105.00	\$1,575
Total Revenue Collected (Small Residential):							\$435,225
Large Residential/Non-Residential							
Block 1	≤ 10 ERUs	481	729	1	\$105.00	-	\$97,412
Block 2	10 < ERUs ≤ 50	65	1,459	0.9	\$94.50	-	\$137,894
Block 3	50 < ERUs ≤ 100	4	252	0.8	\$84.00	-	\$21,192
Block 4	100 < ERUs ≤ 500	3	409	0.7	\$73.50	-	\$30,047
Block 5	> 500 ERUs	1	561	0.6	\$63.00	-	\$35,326
Total Revenue Collected (Non-Residential/Other Residential):							\$321,870
Total Revenue Collected:							\$757,095

\*ERU = Equivalent Residential Unit = 4,534 ft<sup>2</sup>



# General Fund vs. Stormwater Enterprise Fund

Property Type	Valuation	Impervious Area (ft <sup>2</sup> )	Fund Stormwater Budget Via Property Taxes	Fund Stormwater Budget Via Stormwater Fee
Small Residential A	\$350,000	-	\$103	\$105
Small Residential B	\$440,000	-	\$129	\$105
Small Residential C	\$530,000	-	\$155	\$105
Commercial A	\$2,442,100	87,857	\$715	\$1,831
Commercial B	\$109,283,500	2,542,495	\$32,008	\$35,326
Tax Exempt	\$12,576,000	168,971	\$0	\$3,522

# How will the Stormwater Enterprise Operate?

- Stormwater Commission to Be Established
  - Comprised of Members from the Public
  - Reviews/Approves Stormwater Budget with DPW
  - Review and Prioritization of Critical Projects
  - Tasked with Rate Setting/Fee Structure Oversight
  - Oversees Credits/Abatements

# thank you