

## MINUTES – STORM SEWER UTILITY ADVISORY COMMITTEE MEETING

Tuesday, August 20, 2019

1. GENERAL . . . The Storm Sewer Utility Advisory Committee meeting was held Tuesday, August 20, 2019 at 3:00 p.m. in Council Chambers on the first floor of the new Utility Departments Addition to Borough Hall, 100 South Second Street, Chambersburg, Pennsylvania. Present: Members Herb Dolaway, Carla Christian, Alice Elia, Ken Adams, Tanya Nitterhouse, Phil Tarquino and Tim Murray. Advisors Phil Wolgemuth, Assistant to the Borough Manager and Jeffrey Stonehill, Borough Manager, Andrew Stottlemeyer, Storm Sewer System Manager, Chris Werner, Storm Sewer System Inspector, Zach Rice, Salzmann-Hughes Borough Solicitor, Bill Kick, HRG Assistant Vice President and Bruce Hulshizer, HRG Financial Services Project Manager. Absent: Members Mike Kalathas, Edward Peters, Jason Warrenfeltz and Bernie Washabaugh, Jr.
2. VISITORS . . . (See attached)
3. COMMITTEE RECOMMENDATION

Mr. Hulshizer reminded the Committee that Council will make the final decision. He reviewed the two scenarios; Scenario 'A', all single family residential properties would pay the same \$4.00/month rate; this rate is based on one ERU being equivalent to 2,920 SF of impervious coverage. Scenario 'B', a tiered approach would be taken for all single family residential properties; each property would be charged based on where they fall on the bell curve. In the tiered approach one ERU is equivalent to 2,200 SF of impervious coverage and the fee for a one ERU would be \$3.00/month. He asked the Committee which scenario they would recommend to Council.

Mr. Stottlemeyer advised that staff would like to keep the fee structure as simple as possible and have all single family properties paying the same rate. He said that with a tiered approach, some single family residents would pay a different rate. He said that they want to avoid the frustration that this tier could cause and reemphasized that staff recommends keeping the amount the same for all single family residences.

Ms. Nitterhouse inquired about the older residential properties where there is a single wide driveway with a small impervious coverage footprint. Ms. Nitterhouse used McKinley Street as an example and asked how these types of properties compare. Staff advised Ms. Nitterhouse that with scenario 'A' properties with a minimal amount of impervious coverage would pay the same monthly utility fee as properties with a much higher impervious coverage, as long as both properties are single family residences. She felt that smaller properties should be lumped into 1,000 square feet or under and felt that instead of \$4.00 per month \$5.00 should be the minimum.

Mr. Murray said that he recommends scenario 'A' where all single family residential properties would pay the same monthly utility rate.

Mr. Dolaway said that he was in favor of keeping the fee structure simple and gave the example of trash; one resident may have a single bag of trash compared to another that has multiple bags. They both pay the same amount and no one complains.

Mr. Hulshizer advised that HRG and staff met with Jason Cohen, Director of Finance and Treasurer to discuss the fee implementation. Due to the Borough going live with the new software in October 2019, the fee would not be implemented until July 2020. He said that the Committee should decide if they want to have residents continuing to pay \$4.00 per month until June and then raise the fee for remainder of 2020 or wait until 2021 to implement the new fee.

Ms. Nitterhouse said that it would be foolish not to get the budget that you need and made the recommendation that the fee should be \$5.00 per month. Mr. Dolaway said that he agreed with Ms. Nitterhouse that the fee should be \$5.00 per month that should begin in July 2020.

Mr. Hulshizer referred to the minutes of the Committee's July meeting and asked if the Committee still wanted to recommend that credits for non-residential BMPs and public education be included in the credit and appeals process. He reminded them that they also recommended that credits should not be included for rain barrels, downspout disconnection, adopting an inlet, or tree planting. He reminded the Committee that they agreed that applications should not have an application fee, have a 60 day review period and setting the expiration for credits to be at the discretion of the Borough to correlate with new MS4 permits and updated regulatory requirements that may occur in the future.

Mr. Hulshizer said that the Borough plans to have a public meeting on September 24, 2019. He also advised the Committee that letters would be mailed to the top utility rate customers as well as tax exempt properties and would offer for these customers to come into the Borough to discuss the updated fee structure. On October 14, 2019, the updated fee structure will be presented as part of the Storm Sewer Utility annual budget. The recommendation will be made to Town Council to change the fee in July 2020. He said that this gives staff plenty of time to communicate the change and that springing this upon customers has never been the intent.

#### 4. PUBLIC MEETING DRAFT SLIDES

Mr. Hulshizer reviewed the draft slides that were prepared for the upcoming Public Meeting and inquired if they had any suggestions or changes to the Power Point.

Ms. Nitterhouse inquired about the Borough Storm Sewer System Map and recommended for the map to be included on a slide by itself or enlarged.

Mr. Tarquino suggested for MS4 to be defined and for an explanation be provided about what the storm sewer utility fee is used for.

Mr. Stonehill said that they may want to provide a slide that explains that for the first 6 months of 2020 the fee will be \$4.00. The fee for a single ERU will go to \$5.00 in July 2020.

Mr. Wolgemuth made reference to the ERU calculation slide, and made the recommendation to clarify that single family residences would equal \$5.00 per month and that non-single family properties would pay a multiplier.

Mr. Stonehill made the suggestion to provide an analysis to other utilities because he felt that it would be a more equitable argument and to leave the 'tax exempt' status out of the presentation (remove money bag).

Ms. Christian agreed to remove 'tax exempt' from the presentation and to only discuss if question comes up about it. She also said it has been a challenge understanding where an ERU came from.

Mr. Hulshizer said that ERUs have nothing to do with the budget; it's based on the average impervious coverage of all single family residences.

Ms. Elia suggested that the remove "unfunded federal mandate" from the slide because this is actually required and necessary.

Mr. Jim Maun asked about mixed use properties where you have a commercial and two residential uses on the property.

Mr. Wolgemuth responded to Mr. Maun that any type of mixed use properties in the Borough are considered to be a commercial property.

Mr. Stonehill made a comparison to the sanitary sewer utility and pointed out that the utility fee goes to the property owner and NOT the tenant, regardless of whether or not the property is a rental.

The Public Meeting will be held on September 24, 2019 at 7:00 p.m.

The meeting was adjourned at 4:12 p.m.

Respectfully submitted,



---

Cindy Harr  
Secretary II

BOROUGH OF CHAMBERSBURG

Sign-In Sheet: Storm Sewer Utility Rate Structure and Credit Program Advisory Committee

AUGUST 20, 2019

ADVISORY COMMITTEE MEMBERS AND BOROUGH REPRESENTATIVES

	<u>Name</u>	<u>Organization</u>	<u>Revised Contact Info if Applicable</u>
1.	JIM MURRAY	WELSPIN	
2.	Kim Collins		
3.	Tanya Witherhouse		
4.	Phil Larosino		
5.	Alicia	Borough Council	
6.	HERB DOLAWAY	Borough Council	
7.	Carla R. Christian	Chgo. YMCA	
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			

BOROUGH OF CHAMBERSBURG

Sign-In Sheet: Storm Sewer Utility Rate Structure and Credit Program Advisory Committee

AUGUST 20, 2019

GENERAL PUBLIC

	<u>Name</u>	<u>Street Address</u>	<u>Email Address</u>
1.	EUGENE KLEE	160 EISENHOWER DR	
2.	JANICE COOK	936 GEYER DR	JANCO@PA.NET
3.	David Smith	438 ORR AVE	dksmith@comcast.net
4.	ALLEN COFFMAN	112 PENNSYLVANIA AVE	
5.	JIM MAHUN	930 LEDIG DRIVE	jmahun@mbai.com
6.	David Mackley	1900 WAYNE RD.	david@fcaec.com
7.	T. Nitterhouse	679 HOLLYWELL	
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			

**Chambersburg Borough**  
**STORM SEWER UTILITY RATE STRUCTURE AND CREDIT**  
**PROGRAM ADVISORY COMMITTEE**  
August 20, 2019



---

**Meeting #7**

**AGENDA**

**1. Decisions Points**

**a. Recommended Scenario.**

- i. Scenario 'A'- All single family residential properties would pay the same \$4.00/month rate; this rate is based on one ERU being equivalent to 2,920 SF of impervious coverage**
- ii. Scenario 'B'- A tiered approach would be taken for all single family residential properties; Each property would be charged based on where they fall on the bell curve. In the tiered approach one ERU is equivalent to 2,200 SF of impervious coverage and the fee for a one ERU would be \$3.00/month**

**b. Hold utility rates for 2 years?**

- i. Projected annual revenue need is \$1.2 million in 2021. For scenario 'A' setting the utility fee at \$5.00/month the annual revenue equals \$1.19 million. For scenario 'B' if the utility fee is \$4.00/month the annual revenue would be \$1.27 million.**
- ii. The annual income need by 2023 is \$1.8 million, so rates would need to be increased for future years.**

**c. Draft Credit Policy**

- i. Additional comments since last meeting?**

**2. Public Meeting Draft Slides**

## Storm Sewer Utility Rate Structure and Credit Program Advisory Committee Meeting 6

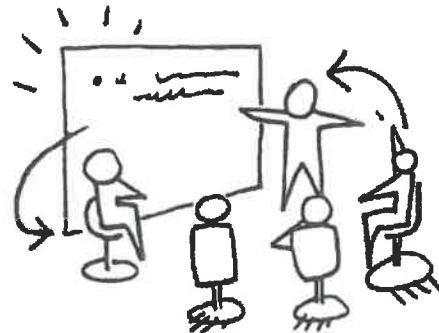


**Chambersburg Borough**  
and  
**Herbert, Rowland & Grubic, Inc.**

July 16, 2019

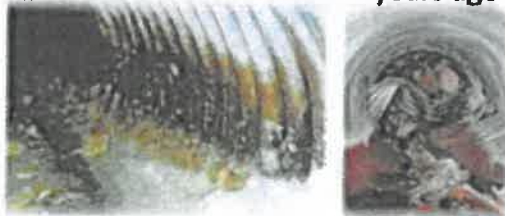
## Agenda

1. Recap, News & Updates
2. Revisit Fee Structure Alternatives
3. Credits and Appeals
4. Public Outreach



## Storm Sewer System

- 1) Storm sewer pipes, inlets and related infrastructure located in public rights-of-way:
  - **380,000 feet of pipe (158,000 in public ROW), 32 miles of open channels, 11 miles alley conveyance, 2758 inlets, 83 detention basins, 39 rain gardens, 103 subsurface detention**
- 2) 132 Discharges/Outfalls
- 3) Much constructed by developers
- 4) Condition needs to be assessed
- 5) Much reached end of serviceable life years ago



## Goal for Level of Service?

Level of Service	O&M	Planning & Compliance	Capital Improvements
Exceptional	Fully Preventative/ 100% Routine	Comp planning, NPDES compliance	Prioritized/Fully Funded
Comprehensive	Mix of routine & inspection based	Priority Planning	Phased/allocated budgets
Expanded	Inspection based	Reactionary Planning	Inspection- based/moderate budget
Average	Responsive only	Emergency	Critical needs only/minimal budget
Minimal	Non-Responsive	No Planning	No planning/No budget

↑ more proactive

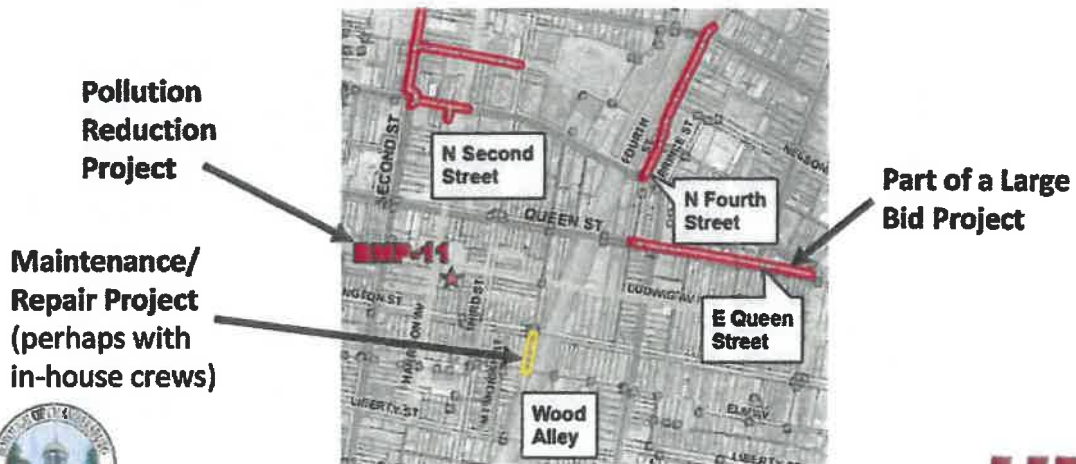




## Example capital improvement needs



## Draft Capital Improvement Plan



# Budget

To accommodate Incremental Increase to Fee

Year	Annual Revenue Need (M)
2020	1.0
2021	1.2
2022	1.6
2023	1.8



1. Recap, News & Updates
2. Revisit Fee Structure Alternatives
3. Credits and Appeals
4. Public Outreach



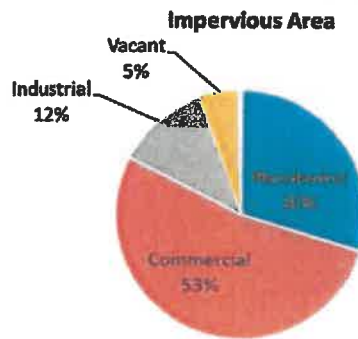
# Fee Structure to Meet Budget - alternatives

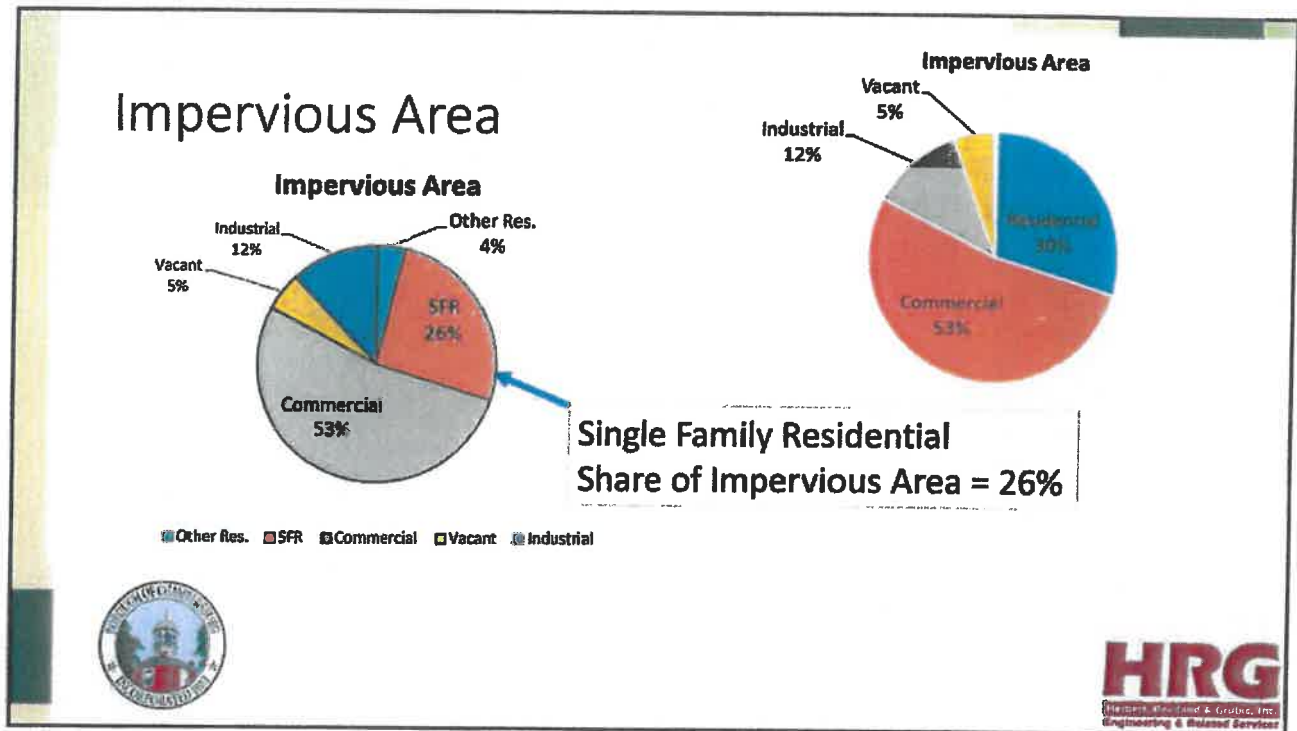
- 1. Group all Single Family Residential (SFR) Together as a Class – all have same fee
- 2. Do not Group all SFR

Year	Annual Revenue Need (M)
2020	1.0
2021	1.2
2022	1.6
2023	1.8



## Impervious Area





## 1. Group All SFR with Same \$4 Fee



5656 SFR properties have 16522 ksf of IA total. For a SFR rate of \$4/month, monthly income from these parcels is  $5656 * 4 = \$22624$

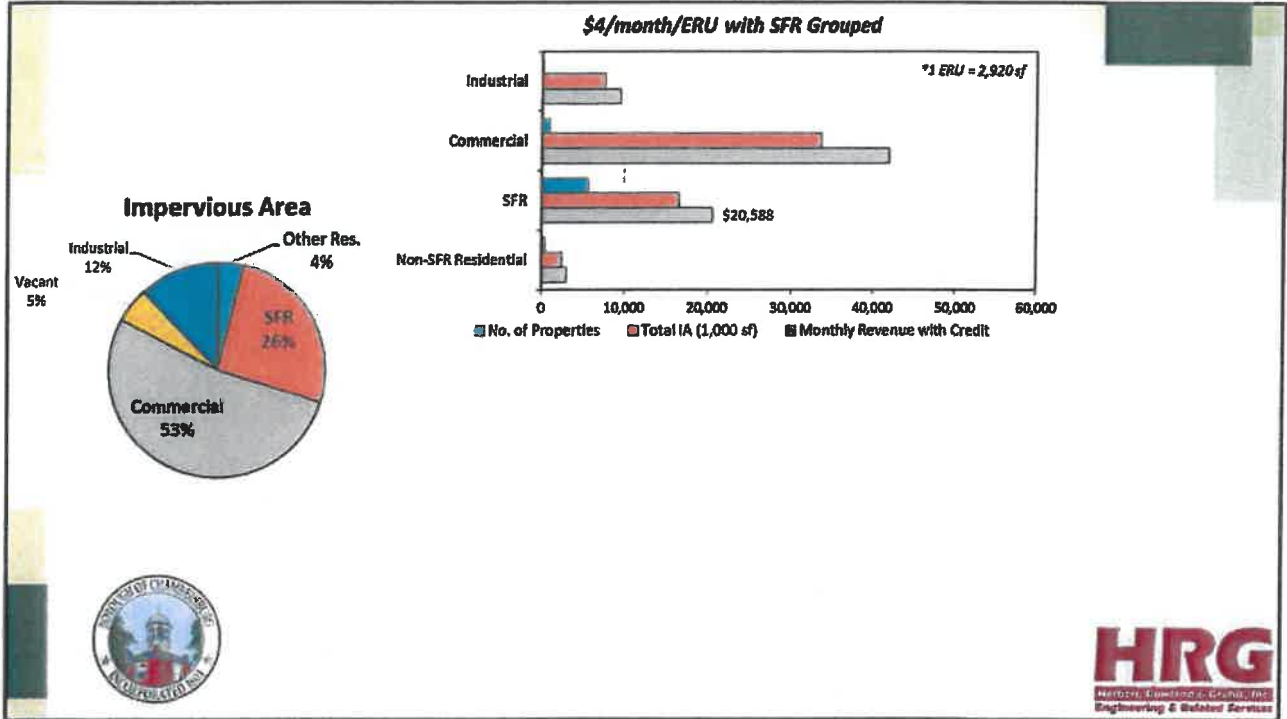
$\$22624 / 16522 \text{ ksf}$  equals **\$1.37 per ksf of IA per month**

Total monthly revenue from 63766 ksf IA from all parcels is total monthly revenue of  $63766 * 1.37 = \mathbf{\$87359}$ . Allowing 9% reduction from Credits, actual projected monthly revenue is **\$79.5 k**

Projected SFR revenue reduced 9% is \$20.6 k or **26%** of total revenue. This parallels the SFR share of the IA which is  $16522 / 63766 = 26\%$

*ksf = 1000 square foot*



## 2. SFR Not Grouped at same budget

Set total monthly revenue before credits to be **\$87359**.

For 63766 ksf IA from all parcels, rate =  $87359/63766 = \$1.37/ksf$

→ Same rate as if SFR is Grouped



## Definition of an ERU

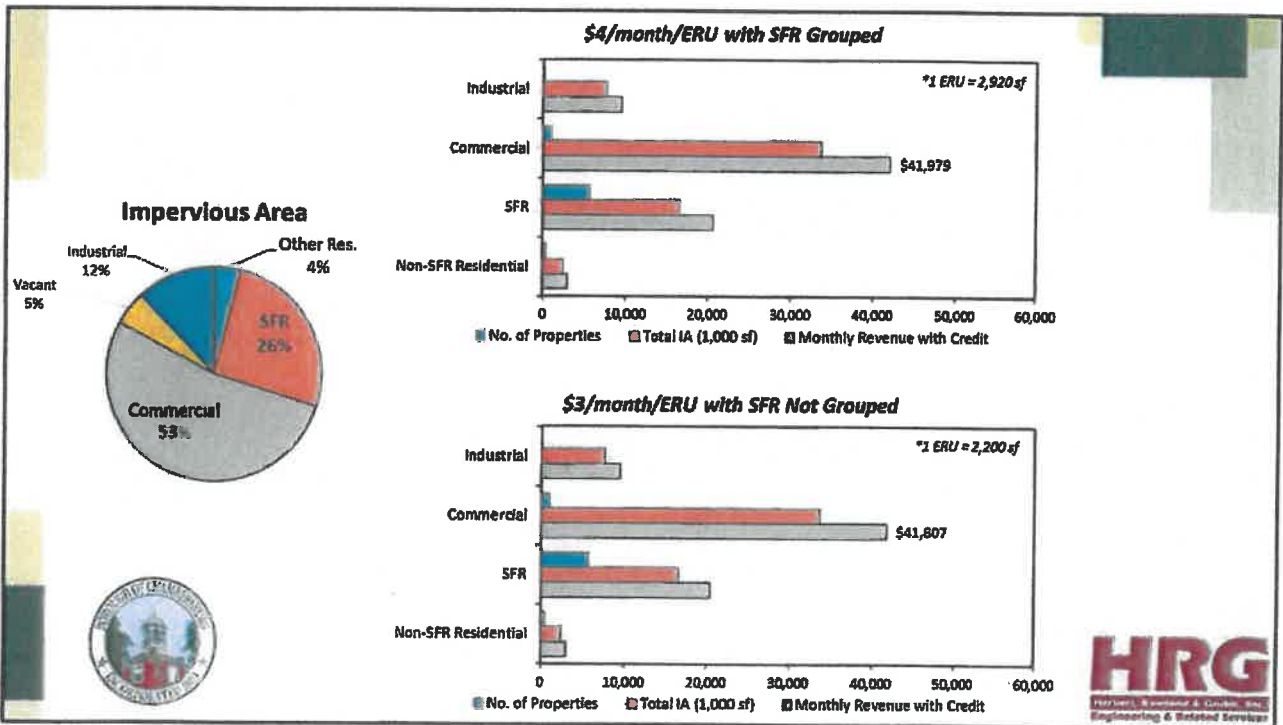
### Alternative 1 (SFR Grouped)

1 ERU = 2920 sf because this is the average IA for the SFR Group  
 Thus, the ERU rate is  $\$1.37/\text{ksf} * 2920/1000 = \$4$

### Alternative 2 (SFR Not Grouped)

1 ERU = 2200 sf based on the tiered ERU approach  
 Thus, the ERU rate is  $\$1.37/\text{ksf} * 2200/1000 = \$3$

→ Note that the rate per thousand is still the same



## Options to allow holding rate for two years

If SFR Grouped, set ERU at \$5 (so \$1.71/ksf)  
annual revenue = \$1.19 M

If SFR Not Grouped, set ERU at \$4 (so \$1.82/ksf)  
annual revenue = \$1.27 M

Year	Annual Revenue Need (M)
2020	1.0
2021	1.2
2022	1.6
2023	1.8



1. Recap, News & Updates
2. Revisit Fee Structure Alternatives
3. Credits and Appeals
4. Public Outreach



## 1. Basics: Private Property Stormwater Management

### Benefits to Borough?

- **Reduced**
  - Rate of Runoff
  - Volume of Runoff
- Increased Water Quality
- Reduced Capital Improvement / O&M Costs



## 2. Credit Policy Purpose

Consider **level of service** received from the utility

**Stimulate interest/actions** that benefit program

Any Particular Objectives?





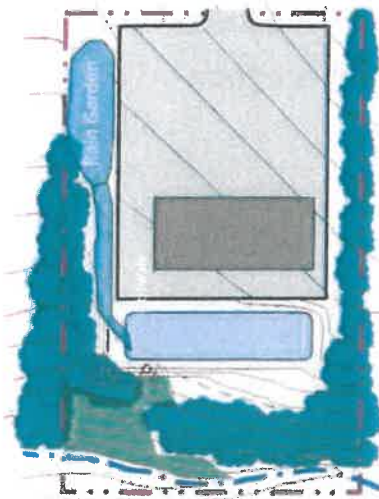
### 3. Credit and Appeals Process

**Approved Policy Manual**

- Application by Property Owner (with documentation)
  - Review by Borough
    - O & M Agreement (ensure long term benefit to program)
    - Credit applied to next billing cycle



### 4. Credit's Effect on Billing



Building =	8,000 sf
Parking Lot =	14,000 sf
<b>Total Impervious Area</b>	<b>22,000 sf</b>
ERU =	2,200 sf

<b>TOTAL ERU's =</b>	<b>10 ERUs</b>
<b>20% BMP Credit</b>	<b>- 2 ERUs</b>
<b>Resultant Billed ERUs</b>	<b>8 ERUs</b>



## 5. Some Credit Types

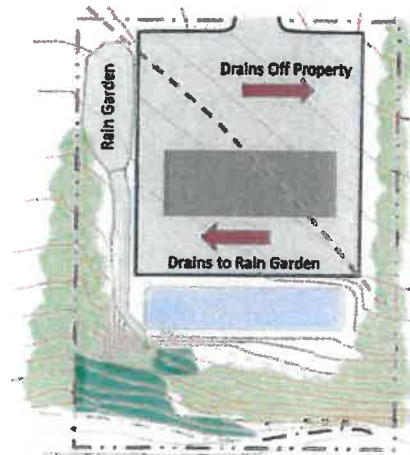
- **BMPs: Peak, Volume, Water Quality**
  - Variable portion of budget
  - Meet current standards
  - Permeable Paving
- **Public Education: to host/attend?**
- **Other**
  - Rain Barrels?
  - Downspout disconnection?
  - Adopt an Inlet?
  - Trees? Donate to Shade Tree Commission?
  - Stormwater Partnership



**HRG**  
Hatch, Mott MacDonald & Greiner, Inc.  
Engineering & Related Services

## Credit Considerations

1. Effort to Manage Credit Program
2. Program Cost Reduction; Fixed vs Variable Costs
3. Portion of IA



**HRG**  
Hatch, Mott MacDonald & Greiner, Inc.  
Engineering & Related Services

## Credit Considerations

1. Effort to Manage Credit Program
2. Program Cost Reduction; Fixed vs Variable Costs
3. Portion of IA
4. Previous improvements
5. Min Fee and Max Credit
6. Charge to apply; account current
7. Time to review (60 days?)
8. Term; renewal
9. When to implement policy
10. Available to all parcel sizes?
11. Ensure Meeting Standards
  - PE?, annual report, inspection, easements



1. Recap, News & Updates
2. Revisit Fee Structure Alternatives
3. Credits and Appeals
4. Public Outreach



## Public Meeting

- Dates
- Review content next month?



## Current Process for Developing Updated Program & Reviewing Funding Methods

1. Form an Advisory Committee
2. Review Existing Storm Sewer Program
3. **Ongoing Public Education**
4. Define Responsibilities and **Budget Needs**
5. Review Operations & Management Structure
  - Billing, Staffing, Department
6. Develop and Analyze **Rate Structure**
  - Analysis of Impervious area on individual parcels
7. Adopt Necessary Ordinances
8. Establish **Credit Policy**



# **Chambersburg Borough**

**Chambersburg Borough  
Franklin County, Pennsylvania**

## **Storm Sewer Management Program Credit Policy Manual**

Last Modified: July 2019

# Table of Contents

Introduction .....	2
Definitions .....	2
Credits and Credit Policies.....	4
General Policies .....	4
Eligibility .....	4
Summary of Available Credits .....	5
Credits .....	6
Peak Rate Control / Volume Control Structural BMP .....	6
Permeable Pavement .....	6
Education Credit.....	7
Stormwater Partnership Credit .....	7
Applying for Credit .....	8
Pre-Application Meeting and Field Review .....	8
Credit Application.....	8
Maintenance Policies: .....	9
Appeals.....	9
Appeal Impervious Area Assessment .....	9
Attachment A – Credit Application .....	1
Attachment B – Maintenance Agreement .....	1
Attachment C – Pre-Application Meeting Request Form.....	1

## Introduction

This Manual provides Chambersburg Borough (Borough) Storm Sewer Management Program customers with details on the Credits available to reduce their quarterly Storm Sewer Management Program (SMP) Fee. Credits are provided as a means for customers to reduce the amount of their quarterly fee by implementing a creditable Best Management Practice activity to reduce the contribution of stormwater and pollutants to the Borough's storm sewer management system and/or to aid the Borough in meeting its MS4 Permit obligations.

Storm sewer management is important to our community. It is necessary to manage pollutant-laden runoff generated by impervious surfaces so that it does not have a harmful effect on streams and reduce the potential of flooding and associated property damage. The Borough is in the process of developing and implementing a comprehensive Storm sewer Management Program to provide enhanced stormwater management to property owners in the Borough.

The foundation of an effective SMP is the development of a fair and equitable SMP Fee to provide for a dedicated and reliable revenue stream. Revenues generated by the SMP Fees will support the SMP and its goals to: ensure MS4 Permit regulatory compliance, improve water quality, support strategic planning for capital improvements, support effective infrastructure operation and maintenance, and promote the education of the community on practices to improve the quality of water resources.

The *Storm Sewer Management Program Fee Resolution* defines how properties within the storm sewer service area will be assessed fees based upon Impervious Area (IA). All property owners may reduce their fee by up to 30%, if they apply and qualify for credits made available by the credit system. This Manual will provide the user with the procedures to follow in order to apply for credits from the Borough.

## Disclaimer

By submitting a Storm Sewer Management Program Fee Credit Application pursuant to the Credits Policy Manual, the Property Owner acknowledges and agrees that he and his heirs, grantees, successors, and assigns shall be solely responsible and liable for the operation and maintenance of any and all Best Management Practices ("BMPs") constructed, installed, or employed by the property Owner. The Borough shall not be responsible for or liable with respect to the operation and maintenance of any BMP, or any damages arising therefrom.

## Definitions

The following definitions apply to the Storm Sewer Management Program Credit Policy Manual. Any term not defined by this section can be defined by the *the Borough's Storm Sewer Management Program Fee Resolution* currently in effect and *the Borough's Rules and Regulations*, to the extent not contradictory.

**Best Management Practices (BMPs)** - Activities, facilities, designs, measures or procedures used to manage stormwater impacts from regulated activities, to meet state water quality requirements, to

promote groundwater recharge, and to otherwise meet the purposes of the Storm Sewer Management Program. Stormwater BMPs are commonly grouped into one of two broad categories or measures: "nonstructural" or "structural". "Nonstructural" BMPs are measures referred to as operational and/or behavior-related practices that attempt to minimize the contact of pollutants with stormwater runoff whereas "structural" BMPs are measures that consist of physical devices or practices that are installed to capture and treat stormwater runoff. Structural BMPs include, but are not limited to, a wide variety of practices and devices, from large-scale wet ponds and constructed wetlands, to small-scale underground treatment systems, infiltration facilities, filter strips, low-impact design, bioretention, wet ponds, permeable paving, grassed swales, riparian or forested buffers, sand filters, detention basins, and manufactured devices.

**Credit** – A discount in the form of a percentage that can be applied to an owner's storm sewer fee when proper stormwater control techniques are displayed.

**Developed Parcel** – A parcel that contains impervious area equal to or greater than 500 square feet.

**Impervious Area (Impervious Surface) (IA)** – A surface that prevents the infiltration of water into the ground. Impervious surface (or area) includes, but is not limited to, roofs, additional indoor living spaces, patios, garages, storage sheds and similar structures, swimming pools, paved parking or driveway areas, and private streets and sidewalk. Any surface areas initially proposed to be gravel or crushed stone shall be assumed to be impervious areas.

**Inlet** – A surface connection to a closed drain. A structure at the diversion end of a conduit. The upstream end of any structure through which water may flow.

**Outlet** – Points of water disposal from a stream, river, lake tidewater or artificial drain.

**PADEP** - Pennsylvania Department of Environmental Protection.

**Pennsylvania Stormwater Best Management Practices (BMP) Manual** - The most recent version of the Pennsylvania Stormwater Best Management Practices Manual.

**Peak Rate Control** – A credit that can be applied for utilizing proper stormwater rate control techniques. Example: Detention tanks/basins with a controlled outlet.

**Stormwater** – Drainage runoff from the surface of the land resulting from precipitation, snow or ice melt.

**Storm Sewer Management Fee** - Sums assessed, imposed, and to be collected from each developed lot, parcel, building or portion thereof which uses, benefits from or is serviced by the Storm Sewer Management System or which discharges stormwater, directly or indirectly, into the public Storm Sewer Management System, for the use of and the service rendered and improvement of such system and additionally for the administration and operation of the Storm Sewer Management Program.

**Volume Control** – A credit that can be applied for utilizing proper stormwater volume control techniques. Example: Infiltration basins, filtration basins, rain gardens, etc.

**Water Quality Benefit** - increasing surface water runoff quality as outlined in the Pennsylvania Stormwater BMP Manual or as defined in the PA MS4 guidelines; whichever are more restrictive.



## Credits and Credit Policies

### General Policies

1. It is the Owner's responsibility to apply for credits and supply all of the necessary materials.
2. Specified Credits are available to all property Owners.
3. The maximum amount of credit received shall not exceed 30% per property, unless a property is granted a large Credit under the Stormwater Partnership Credit.
4. Accounts must be current in order to receive Credit(s) conferred by these policies. Credits will be revoked if an account is overdue more than 90 days. Upon becoming current, property owner may reapply to reinstate the revoked credits.
5. Credits will be revoked where qualified BMPs are not maintained.
6. Complete applications will be reviewed with determination made within 60 days of submission. (Incomplete applications will be returned for correction). Credits will become effective at the beginning of the next billing cycle.
7. There is no credit application fee. However, property owners may be required to establish an escrow account of \$2,000 for specific credits to cover professional services for review of the application. Application fees are subject to adjustment January 1 of each year. Refer to the Applying for Credit section of this document for additional detail.
8. Credits expire March 31, 2023 unless otherwise determined by the Borough. At that time the Credit Policy will be reevaluated.
9. In the event of a change of ownership, the new Owner must reapply for Credits to verify change in Maintenance Agreement and associated Credit requirements.
10. The Borough has full discretion over the credit process.

### Eligibility

To be eligible for a Credit, the property must have been assigned a minimum of 500 SF of IA and there must not be any outstanding and unpaid SMP Fees against the property. Owners must submit the appropriate Credit Application along with any documentation required by the Borough.

### Credit Details

Owners may apply for one or more Credits, and the Credits will be cumulative up to a maximum Credit of 30% of that property's SMP Fee. In no circumstance may a Credit or group of Credits reduce the applicable SMP Fee to an amount that is less than 70% of the SMP Fee for that property, unless the property meets the requirements of Stormwater Partnership Credit. Credit reduction is proportional to the IA that drains to the BMP.

The SMP Fee with approved Credits will be calculated as follows:

$$SMP\ Fee = Original\ SMP\ Fee \times [1 - Approved\ Credit(s)]$$

Example 1: A property owner has 10,000 sf of IA . The owner connects half of the IA (5000 sf) to a BMP receiving 30% credit.

Percentage of Impacted IA = (5000 sf IA/10,000 sf Total IA) = 50%

Approved Credits = 30% credit applied to 50% of the Total IA = 15%

SMP Fee = Original SMP Fee x [1 - 0.15]

## Summary of Available Credits

Table 1. Summary of Available Credits

Credit	Max Credit
Peak Rate Control / Volume Control Structural BMP	30%
Permeable Pavement	30%
Education Credit	15%
Stormwater Partnership Credit	TBD

## Credits

### **Peak Rate Control / Volume Control Structural BMP**

Structural BMPs that control for the rate, volume, and water quality of stormwater generated on the property are eligible for Credit. The maximum credit for peak rate and volume control is 30%.

Peak rate management BMP's designed and approved in accordance with the Chambersburg Borough Stormwater Management Ordinance adopted on June 20, 2004 or later will be eligible for up to 20% Rate Credit for the 100-year design storm event. This is in addition to any volume control credit as noted below. Land owners shall maintain, in perpetuity, volume control and water quality BMP's in the approved condition according to the terms of 25 Pa. Code Chapter 102 prevailing at the time of approval and provide annual documentation of the same to the Borough.

Volume control and water quality BMP's designed and approved in accordance with 25 Pa. Code Chapter 102 NPDES Permitting requirements on or after January 1, 2008 will be eligible for up to a 10% volume control / water quality credit. This is in addition to any peak rate control credit noted above. Owners shall maintain, in perpetuity, volume control and water quality BMP's in the approved condition according to the terms of 25 Pa. Code Chapter 102 prevailing at the time of approval and provide annual documentation of the same to the Borough.

A detailed inspection schedule and maintenance schedule shall be developed. The maintenance schedule should include a detailed step by step procedure on how the control system shall be maintained in order to work in perpetuity. Include contact information of the person responsible for the O&M in accordance with Section 313 BMP Operations and Maintenance Requirements. Inspection and maintenance logs should be maintained. All control systems shall be contained within a minimum 20 foot SWM easement. Access to the SWM easement shall be provided from the nearest public right-of-way.

Existing BMPs can be retrofitted to provide new function and would be eligible for Credits for the existing and new functions. The Credits only apply to the IA controlled by the BMPs. Peak rate, volume control, and water quality calculations shall be in compliance with the Code of the Borough. Previously installed control systems may also apply for this Credit assuming they are in proper working order and are approved by a Pennsylvania licensed professional engineer. Credits will be prorated to the amount of IA managed relative to total IA on site.

### **Permeable Pavement**

A Credit of up to 30% will be granted for those Owners who install permeable pavement (sometimes called pervious pavement or porous pavement) or pavers for driveways, parking lots, patios, sidewalks, etc. Permeable pavement that was installed in accordance with the Pennsylvania Stormwater Best Management Practices Manual and has an existing Operations and Maintenance (O&M) agreement with the Borough will be considered for the Credit. Credit percentage will be evaluated based on the type of permeable pavement. Credits will be proportional to the amount of IA managed by the BMP.

## Education Credit

The Borough encourages both public and private educational systems (K-12) to educate and inform their students on the importance of surface water, ground water, and stormwater resources, and how they can play a role in preserving and restoring the physical, chemical, and biological integrity of our water resources.

The educational program may include participation in a water resource-themed student poster session or science fair, take-home materials, classroom lessons, field trips, etc. The educational program/materials must be preapproved by the Borough. The following list of educational resources and materials are provided as examples, but is not meant to exclude other educational material that may be approved by the Borough:

- PSU Extension: *Rain to Drain – Slow the Flow*
- EPA NPDES Stormwater Outreach Materials and Reference Documents
- EPA Teacher Resources and Lesson Plans
- EPA Water Science and Technology for Students and Educators
- USGS Education Resources
- Soil Science Society of America: *Soils 4 Teachers*

A school with more than 50% of its students enrolled in levels below Kindergarten (i.e. pre-K, pre-school, daycare, etc.) is not eligible for an Education Credit. Eligible education institutions may be granted up to a 15% Credit based on the following criteria:

- **Level One Education Credit:** A 10% Education Credit is available to a qualifying education institution which educates 50% to 74% of the grade levels within the school or school system.
- **Level Two Education Credit:** A 15% Education Credit is available to a qualifying education institution which educates 75% to 100% of the grade levels within the school or school system.

Education Credits only apply to the IA associated with the teaching facility and associated infrastructure. For example, the Credits would be applied to a High School building and its parking lot, but not to the School District Administrative offices that oversee the High School. Student living quarters, such as dorms, are also not eligible for Education Credits. Education Credits are valid for one (1) year but will be renewable each year the curriculum is taught.

Libraries, religious organizations, and other non-profits are also eligible for the education credit. Interested parties should contact the Borough to discuss an education plan specific to their capabilities.

## Stormwater Partnership Credit

The ultimate goal of the stormwater program and credit policy is to improve local and regional water quality. Therefore, customers are encouraged to propose other means to improve their property and our community through the use of innovative stormwater technologies. If a stormwater customer has an idea for a project that could be worth stormwater credits, the Borough encourages the customer to submit the project idea under the Stormwater Partnership Credit. Credit will be based upon benefit analysis demonstrating actual cost reduction to be realized by the Borough.

## Applying for Credit

### Pre-Application Meeting and Field Review

A number of proposed Credits will require a pre-application meeting and/or a field review with the Borough. All Owners interested in installing a new BMP or retrofitting an existing BMP should submit the Pre-Application Meeting Request form provided in Attachment C to the Borough. The Borough will contact the Owner to schedule a mutually agreeable meeting date and time or provide notification if the specific installation does not necessitate a pre-application meeting.

### Design Standards

All proposed BMPs shall comply with the applicable design standards set forth in the municipal ordinances for which the property is located and Pennsylvania Stormwater Best Management Practices Manual including, but not limited to, the use of appropriate professionals, such as Professional Engineers, Professional Geologists, Landscape Architects, Soil Scientists, etc. when required. When applicable, karst hazards, soil investigations, infiltration testing, or other pertinent site-assessment activities should be conducted.

### Credit Application

In order to receive Credit, all Owners must follow the subsequent application process. Materials can be mailed to the Borough at 100 S 2nd St, Chambersburg, PA 17201, Attn: Storm Sewer Credit Administrator or delivered to the Borough at the same address. Properly submitted applications will be reviewed by the Borough within 60 days of submission, unless extended by good cause shown. The applicant will be notified in writing whether or not the credits applied for were approved. Unapproved applications will have 60 days to resubmit before their application is terminated. Approved applicants will receive a letter along with a credit agreement that must be signed and returned to the Borough within 60 days (failure to do so will terminate the Credits). Credits will then be applied to the next billing period. Credits will be valid until March 31, 2023, after which time they may be eligible for reapplication. Separate Credit applications must be submitted for each tract of land.

The following documentation must be submitted for an application to be reviewed:

1. Completed and signed credit application form.
  - a. Application forms are available in Attachment A, online at the Borough website, and at the Borough office (located at the address listed above).
2. Photographs of the site showing layout, inlets, outlets, etc.
3. Owner's Operation and Maintenance Plan.
4. Previous 1 year maintenance log. (Existing facilities only)
5. Application fee if one is established.
6. For some applications, a \$2,000 Escrow must be established to cover professional services related to review and processing of the application. If at any time funds are drawn below \$500 the escrow account must be replenished for the application review to proceed. Larger escrow amounts may be required for larger applications with multiple BMPs for review.
7. The Borough has the right to require submission of design documentation, as-built or construction drawings, and an engineering analysis from a Pennsylvania licensed professional engineer. Notification of this requirement will be provided in response to the Pre-Application Meeting Request.

8. The Borough has the right to require documentation from a licensed engineer that the facility is in proper working order. (Existing facilities only).
9. Additional documentation may be required at the request of the Borough.

## Maintenance Policies:

All who receive Credits will be required to sign a Maintenance Agreement, substantially in the form attached to this document, which references an Operations and Maintenance Plan outlining any and all maintenance that will be required to continually qualify. The basic minimum maintenance requirements that should be listed in an Operation and Maintenance Plan are, but not limited to:

- o Sediment shall be removed when approximately 30% of storage volume of the facility is filled.
- o Any sediment traps shall be cleaned when filled.
- o No woody vegetation shall be allowed to grow on embankments unless called for in the facility's design.
- o Debris shall be removed from the inlet, outlet, and any other structures that have the potential to clog. All systems should be checked at minimum 4 times per year and within 48 hours after any major rain events of >1".
- o Documentation of inspections must be submitted by July 1st of each year.
- o Provide previous year's maintenance log must be submitted by July 1st of each year.
- o Control structures shall remain unaltered, intact, and functioning as originally designed.
- o See Pennsylvania Stormwater BMP Manual for system specific inspection details.

The Borough has the right to inspect all systems to ensure they are working properly. If a system is found to be operating inadequately, the Owner will be notified in writing of the deficiencies. If the Owner does not make the necessary corrections within 45 days any and all Credits may be revoked. If Owner fails to submit annual reporting documentation by deadline listed above Credits may be revoked.

## Appeals

### Appeal Impervious Area Assessment

If a property owner feels that their Impervious Area estimate is incorrect they may appeal it. Similarly any property owner who believes stormwater fees have been assessed for a parcel they do not own shall notify the Borough. Note that review of the Impervious Area may cause the assigned estimate to increase as a result of the appeal.

Appeal forms are available in Appendix D, online at the Borough website, and at the Borough office. There is no processing fee for appeal applications. Materials can be mailed or personally delivered to the Borough office. Within 60 days of being received, the Borough will contact the owner with information about the status of the application as well as instructions about how to proceed. Questions about a given IA assessment can be made by contacting staff at the Borough office during regular business hours.

## Attachment A – Credit Application

# Storm Sewer Credit Application

## Credit Application Instructions

1. This form is provided to storm sewer customers who believe they qualify for an approved Storm Sewer Credit. Customers should review the Credit Manual for eligibility requirements for Credits.
2. Please fill out all sections on the first page of the form, except for the last section marked "For Borough Use Only". Please fill out all applicable sections on pages 1 and 2 related to the Credits you are applying for.
3. You may attach supporting documentation to the form. Please note that any submitted documentation will not be returned to the customer. Please mail completed form to:

Chambersburg Borough  
100 S 2nd St, Chambersburg, PA 17201  
Attn: Storm Sewer Credit Administrator

4. A Borough representative will review the Storm Sewer Credit Application Form within 60 days of receipt of the completed form.

## Attached Documents

The following documentation must be submitted for an application to be reviewed

1. Completed and signed credit application form.
2. Photographs of the site showing layout, inlets, outlets, etc.
3. Owner's operation and maintenance plan.
4. Previous year's maintenance log. (Existing facilities only)
5. Application fee if one is established.
6. Escrow deposit of \$2,000 if applicable.
7. The Borough may require for the following additional documentation to be submitted:
  - a. Design documentation, as-built or construction drawings, and an engineering analysis from a Pennsylvania licensed professional engineer.
  - b. Documentation from a licensed engineer that the facility is in proper working order. (Existing facilities only)
  - c. Other documentation as may be required at the request of the Borough.

\*Please review the Borough's Storm Sewer Management Program Credit Manual before applying\*

Select the credit(s) being applied for (check applicable boxes):

<input type="checkbox"/> Peak Rate Control / Volume Control Structural BMP	<input type="checkbox"/> Education Credit
<input type="checkbox"/> Permeable Pavement	<input type="checkbox"/> Stormwater Partnership Credit

## Customer Information

Owner's Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Alt. Phone Number: \_\_\_\_\_

E-mail: \_\_\_\_\_

Property Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Account Number: \_\_\_\_\_



# Storm Sewer Credit Application Form

---

## Rain Barrels

Please enter either the number of rain barrels:

\_\_\_\_\_ Total number of downspouts connected to a rain barrel or other eligible containment device.  
Please attach any supporting information.

---

## Additional Credits

If you are applying for any of the following credits, the Borough will contact you to discuss the details of the credit after you submit page 1 of the application.

- Credits related to BMPs
- Permeable Pavement
- Education Credit
- Stormwater Partnership Credit

---

## Confirmation of Credit Conditions and Borough Access Rights

I, (please print name) \_\_\_\_\_ agree to all conditions of the Credits I have applied for as outlined in the *Chambersburg Borough Storm Sewer Management Program Credit Manual*. Additionally, I agree that Chambersburg Borough may at reasonable times enter my property to inspect the property or condition or operation of BMPs.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

## FOR BOROUGH USE ONLY

Date Received: _____	Credit(s): <input type="checkbox"/> Granted <input type="checkbox"/> Denied
Date Reviewed: _____	% Credit to be Applied: _____
Date of Credit Expiration: _____	Reviewer: _____

Attachment B – Maintenance Agreement

# Maintenance Agreement Form

---

Owner's Name: \_\_\_\_\_  
Phone Number: \_\_\_\_\_ Alt. Phone Number: \_\_\_\_\_  
E-mail: \_\_\_\_\_  
Property Address: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Account Number: \_\_\_\_\_

---

**THIS AGREEMENT**, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_,  
by and between \_\_\_\_\_, (hereinafter the "Landowner"), and the  
Chambersburg Borough (the "Borough");

**WITNESSETH;**

**WHEREAS**, the Landowner is the owner of a certain real property in the Borough's storm sewer service area, located at \_\_\_\_\_ recorded by deed in the land records of Franklin County, Pennsylvania, Deed Book \_\_\_\_ at Page \_\_\_\_ and identified by Parcel Identification (ID) Number(s) \_\_\_\_\_ (hereinafter the "Property");

**WHEREAS**, the Landowner has installed or agrees to install, certain Best Management Practices to manage stormwater impacts associated with the Property ("BMPs"), as more specifically depicted and described in the Operation of Maintenance Plan (the "Plan") attached hereto and incorporated herein as Exhibit "A";

**WHEREAS**, the Borough and the Landowner, for itself and its administrators, executors, successors, heirs, and assigns, agree that the health, safety, and welfare of the residents of the Borough and the protection and maintenance of water quality require that stormwater practices and conveyances be properly constructed and maintained on the Property;

**WHEREAS**, the Borough, through the implementation of the Plan, requires that the BMPs, as designed in the Plan, be adequately operated and maintained by the Landowner, in order for the Landowner to obtain and maintain a credit against the Landowner's storm sewer utility fee.

**NOW, THEREFORE**, in consideration of the foregoing promises, the mutual covenants contained herein, and the following terms and conditions, the parties hereto, intending to be legally bound hereby, agree as follows:

1. The Landowner, its successors and assigns, shall operate and maintain all stormwater management facilities and BMPs on the Property as shown on the Plan in good working order in accordance with the specific maintenance requirements noted on the Plan for the duration of the approved credit period.

2. The Landowner, its successors and assigns, agrees to all specifications made by the Borough's Storm Sewer Credit Policy Manual, the Stormwater Management Ordinance of the Borough, applicable PADEP requirements, and any documents referenced by the previously mentioned.
3. The Landowner, its successors and assigns, hereby grants permission to the Borough, its authorized agents, and employees to enter upon the property, at reasonable times and upon presentation of proper credentials, to inspect the stormwater management facilities and BMPs periodically in the discretion of the Borough. Whenever possible, the Borough shall notify the Owner prior to entering the property.
4. The Landowner, its successors and assigns, shall inspect the stormwater management facilities and BMPs and submit annual an inspection report to the Borough no later than June 30<sup>th</sup> of each year. The purpose of the inspection is to assure safe and proper functioning of the facilities. The inspection shall cover the entire facilities, plantings, berms, outlet structure, pond areas, access roads, etc. Deficiencies shall be noted in the inspection report.
5. The Landowner, its successors and assigns, shall not authorize, undertake or permit alteration, abandonment, modification or discontinuation of the stormwater management facility or BMPs except in accordance with written approval of the Borough.
6. The Landowner, its successors and assigns, shall undertake necessary repairs and replacement of the stormwater management facility or BMPs at the direction of the Borough or in accordance with the recommendations of a Pennsylvania Licensed Professional Engineer.
7. In the event the Landowner, his successors and assigns, fails to operate and maintain the stormwater management facility or BMPs as specified in the Plan, the Borough reserves the right to revoke any credits awarded by the stormwater credit system.
8. It is the intent of this agreement to ensure the proper maintenance of the stormwater management facilities or BMPs by the Landowner, its successors and assigns; provided, however, that this Agreement shall not be deemed to create or effect any additional liability of any party for damage alleged to result from or caused by stormwater runoff.
9. The Landowner, its successors and assigns, shall indemnify and hold harmless the Borough and its agents and employees against any and all damages, accidents, casualties, occurrences or claims which might arise or be asserted against the Borough for the construction, presence, existence or maintenance of the stormwater management facilities or BMPS by the Landowner, its successors and assigns.
10. This Agreement shall be recorded among the land records of Franklin County, Pennsylvania, and shall constitute a covenant running with the Property and/or equitable servitude, and shall be binding on the Landowner, his administrators, executors, assigns, heirs and any other successors in interest, in perpetuity.

---

**ATTEST:**

Witness the following signatures and seals:  
(SEAL)

For the Chambersburg Borough

\_\_\_\_\_  
For the Owner:

\_\_\_\_\_  
Date:

## Attachment C – Pre-Application Meeting Request Form

# Storm Sewer Credit Pre-Application Meeting Request Form

## Pre-Application Meeting Request Instructions

1. This form is provided to storm sewer customers who want to install a new BMP or retrofit an existing BMP to become eligible for storm sewer Credit. Customers should review the Borough's Credit Manual for eligibility requirements for Credits.
2. Please fill out all sections on the form, except for the last section marked "For Borough Use Only".
3. Please mail completed form to:  

Chambersburg Borough  
100 S 2nd St, Chambersburg, PA 17201  
Attn: Storm Sewer Credit Administrator
4. A Borough representative will review the Storm Sewer Credit Application Form within 60 days of receipt of the completed form.

### Please Mark All That Apply

- I want to install a new BMP
- I want to retrofit an existing BMP
- I have an idea for a project that might qualify for the Stormwater Partnership Credit
- Other: \_\_\_\_\_

### Customer Information

Owner's Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Alt. Phone Number: \_\_\_\_\_

E-mail: \_\_\_\_\_

Property Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Account Number: \_\_\_\_\_

Parcel ID (if known): \_\_\_\_\_

### FOR BOROUGH USE ONLY

Date Received: _____	_____
Date Reviewed: _____	Reviewer: _____

Attachment D – Appeal Form

# Stormwater Appeal Form

---

## Appeals Instructions

1. This form is provided to customers who have reduced their Impervious Area coverage.
2. Please fill out all sections on the form, except for the last section marked "For Borough Use Only".
3. You may attach supporting documentation to the form. Please note that any submitted documentation will not be returned to the customer. Please mail completed form to:

Chambersburg Borough  
100 S 2nd St, Chambersburg, PA 17201  
Attn: Storm Sewer Credit Administrator

4. A Borough representative will review the Appeal Form within 60 days of receipt of the completed form.
5. Approved adjustments will be applied to the current stormwater bill and all future billings.

---

## Appeal Information

Impervious Area Estimate (optional): \_\_\_\_\_

---

## Customer Information

Owner's Name: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Alt. Phone Number: \_\_\_\_\_

E-mail: \_\_\_\_\_

Property Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Account Number: \_\_\_\_\_

Please provide a brief description as to why this change is necessary:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

## FOR BOROUGH USE ONLY

Date Received: _____	Appeal: <input type="checkbox"/> Granted <input type="checkbox"/> Denied
Date Reviewed: _____	Change to be Made: _____
Date of Application: _____	Reviewer: _____





# Storm Sewer Utility Rate Structure and Credit Program Public Meeting

DRAFT SLIDES  
Aug 20, 2019



September 24, 2019 7:00 PM

**Chambersburg Borough**  
and  
**Herbert, Rowland & Grubic, Inc.**

## Agenda

1. Welcome and Introductions
2. Real Storm Sewer Needs
3. What is Stormwater?
4. Borough Storm Sewer System
5. New Mandates
6. Needs, Projects and Costs
7. Funding source for program
8. Credits and Appeals
9. What's Next?



## Advisory Committee

- **Carla Christian**, Executive Director, YMCA
- **Alice Elia**, Council Member
- **Tanya Nitterhouse**, Sunnyhill Properties
- **Ken Adams**, Business Manager, King Street Church
- **Herb Dolaway**, Council Member
- **Mike Kalathas**, The Orchards
- **Tim Murray**, Director of Special Projects, Chambersburg Hospital
- **Edward Peters**, Facility Operations Supervisor, CASD
- **Phil Tarquino**, Director of Planning, Franklin County
- **Jason Warrenfeltz**, Director of Physical Plant, Wilson College
- **Bernie Washabaugh, Jr.**, Second State Enterprises



## Borough staff and consultants

- **Andrew Stottlemeyer**, Storm Sewer System Manager
- **Phil Wolgemuth**, Assistant to the Borough Manager/Land Use and Development Director
- **Zach Rice, Esq.**, Salzman-Hughes, P.C., Borough Solicitor
- **Bill Kick**, Herbert, Rowland & Grubic, Inc., Assistant Vice President
- **Bruce Hulshizer**, Herbert, Rowland & Grubic, Inc., Financial Services Project Manager



## Real storm sewer needs



## What is stormwater?

Drainage runoff from **impervious** ground surfaces is principal concern

Can carry pollutants and is transported through storm sewers and surface conveyances (i.e. channel, swale ditch) into streams, creeks and rivers.



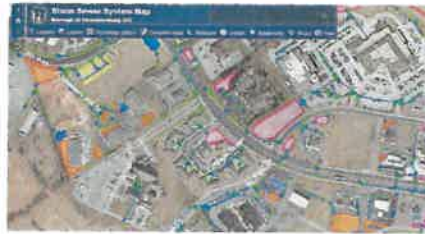
# Borough Storm Sewer System

110+ miles of pipe/channel, 2758 inlets, 225 basins/rain gardens/storage

Much reached end of serviceable life

Condition needs to be assessed

Tightening regulations from new MS4 Permit



# MS4 (Municipal Separate Storm Sewer System)

## Chesapeake Bay Agreement of 1983

- New Pollutant Reduction Goals Set in 2000 to be achieved by **2023**
  - 10% Sediment Reduction
  - 5% Total Phosphorus
  - 3% Total Nitrogen



**MS4 Municipalities Must Meet This Goal**

## Unfunded Federal Mandate



You're welcome!  
- Uncle Sam



# MS4 Minimum Control Measures (MCMs)

- **MCM 1: Public Education**
  - Raise awareness about Best Management Practices (BMPs) via advertising, municipalities and website
- **MCM 2: Public Outreach**
  - Promotional events and advertising materials
- **MCM 3: Illicit Discharge**
  - Mapping
  - Outfall inspections
  - Illicit discharge reporting
- **MCM 4: Construction**
  - Stormwater management on developing/redeveloping properties (regulated by Borough Ordinance)
- **MCM 5: Post-construction**
  - BMP maintenance and inspection
- **MCM 6: Good Housekeeping**
  - Document completion and retention



# Capital Improvement Needs

**Infrastructure Project**  
Part of Large Bid Project funded by borrowing

**Pollution Reduction Plan (PRP) Project**

**Annual Maintenance/Repair Project**  
Perhaps with in-house crews



# Program Costs

- Assess 30 mile pipe system in 3 years
- Maintenance/repair \$100k in 2020
- \$8.6 M improvements over 4 years includes PRP
- Allow for incremental increase to fee

Year	Annual Revenue Need (M)
2020	1.0
2021	1.2
2022	1.6
2023	1.8



# How to fund program? Fee based on IA

Tax exempt is 14% of impervious area



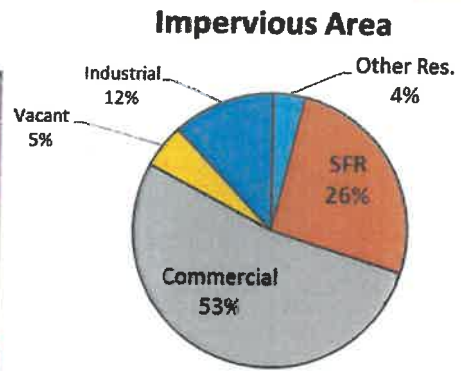
Property Value  
Does Not Cause Runoff  
Paying from taxes is not equitable



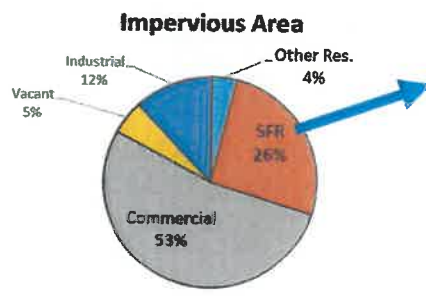
IA = Impervious Area



# Impervious Area



# Distribute 2020 Program Costs based on IA



Average IA for SFR = 2920 sf  
Set this equal to 1 ERU



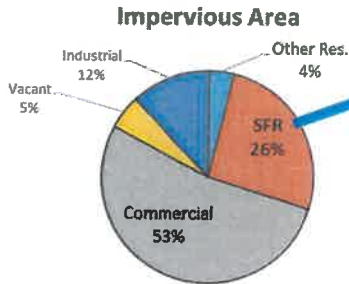
IA = Impervious Area

ERU = Equivalent Residential Unit





# Distribute 2020 Program Costs based on IA



Average IA for SFR = 2920 sf  
Set this equal to 1 ERU

Use \$4 per month per ERU  
Actual projected revenue after credits = \$0.95 M

Year	Annual Revenue Need (M)
2020	1.0
2021	1.2
2022	1.6
2023	1.8

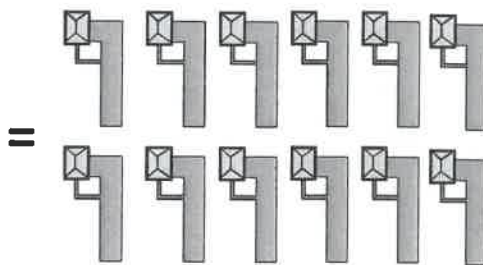
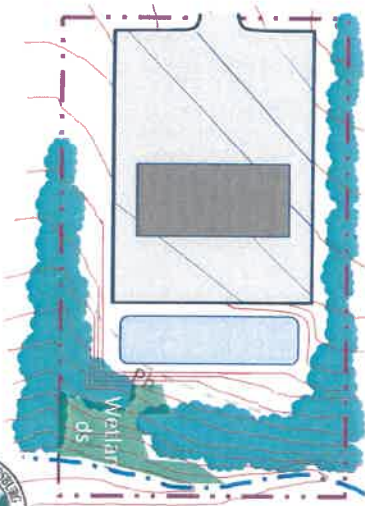


IA = Impervious Area

ERU = Equivalent Residential Unit



# ERU Calculation



Building =	8,000 sf
Parking Lot =	27,040 sf
<b>Total Impervious Area =</b>	<b>35,040 sf</b>
IA per ERU =	2,920 sf
<b>TOTAL ERU's =</b>	<b>12 ERUs</b>



IA = Impervious Area

ERU = Equivalent Residential Unit



# Example Parcel



Total Impervious Area = 72,475 sf  
 IA per ERU = 2,920 sf  
**TOTAL ERU's = 25 ERUs**

**Monthly Fee before Credits: 25\*4 = \$100**



IA = Impervious Area

ERU = Equivalent Residential Unit



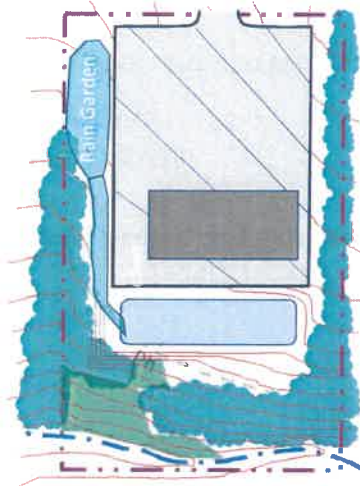
# Credit and Appeals Process

Approved Policy Manual

- Application by Property Owner (with documentation)
  - Review by Borough
    - O & M Agreement (ensure long term benefit to program)
      - Credit applied to next billing cycle



## Credit's Effect on Billing



% Reduction to the Parcel's Bill

Up to 30% for BMPs on property that meet current standard



*BMP = Best Management Practice (such as infiltration basin)*



## What's Next?

- Present to Council for decision
- Implement billing changes
- Likely first ERU bill July 2020

