

ch2m:

May 5, 2016 Public Hearing Presentation Overview

- Stormwater Runoff Why is it a problem?
- •How can we address it?
- •What are the next steps?
- •How can I get involved?
- •Questions from Audience











Stormwater Runoff – Why is it a problem?

- Pollutants from the Borough affect our local streams
 - Goose Creek
 - Taylor Run
 - Blackhorse Run
 - Plum Creek
- Excessive amounts of runoff impact our health, safety, and welfare
 - Flooding
 - Stream bank erosion
- Strains our historic infrastructure
 - Pipes, inlets, and other stormwater infrastructure require inspections, cleaning, and rehabilitation and replacement



















All of our local streams are "Impaired" (red on the map)

West Chester sits at the top of 4

watersheds and our runoff impacts.

Clean Water Act mandate: comply with a stormwater ("MS4") permit issued by the PA Dept. of Environmental Protection

(DEP) that **requires us to reduce pollution** in all of the watersheds so the streams can become fishable and swimmable



Stormwater Runoff – How should the Borough address it?

- Stormwater Assessment Advisory Committee (SWAAC) was formed in 2013 to recommend to Borough Council how to address the problem & fund it
- Included representatives from:
 - Residential
 - Business
 - Institutions (Chester County Hospital)
 - Non-Profits (Church)
 - West Chester University
 - Chester County
 - Borough Council and Staff



Met 7 times between July 2013 and October 2015 on funding options and policy issues











How can we address the issues and regulatory requirements related to stormwater?

- Develop a rigorous stormwater program
 - Repair and rehabilitation projects
 - Regulatory compliance activities
 - Multi-purpose community improvements
 - Urban Forestry
 - Integrated infrastructure (e.g., drainage improvements integrated with road work)
 - Green infrastructure (e.g., rain gardens, stormwater tree trenches, vegetated roofs)
 - Stream restoration
 - Flood reduction projects
- Establish a dedicated, long-term funding mechanism for the program



Bioswale in curb extension also provides traffic calming and ADA improvements



Green Alley with permeable pavers









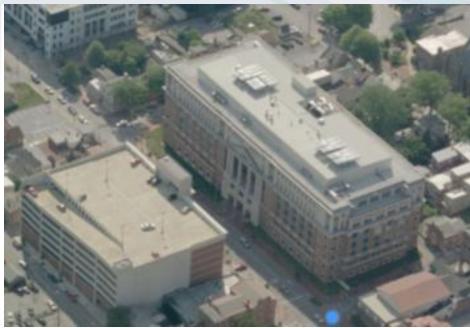


SWAAC Recommendation

Stormwater fee based on impervious area as the *most equitable approach* to pay for stormwater



Typical residential owner would pay a **fee of** \$11.73/month or additional taxes of \$20



A large tax-exempt property would pay a **fee** of \$346/month or additional taxes of \$0

Increasing property taxes or sewer bills is not fair because they are not directly linked to how much stormwater a property generates





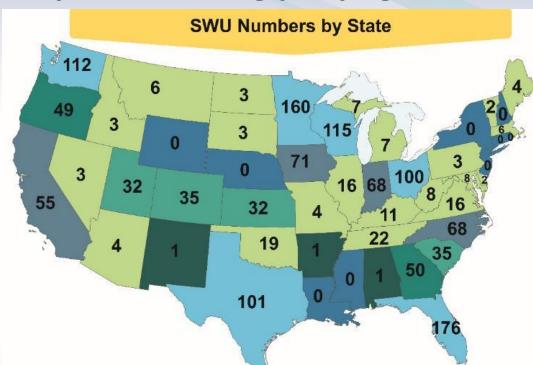






West Chester Borough is not alone in looking at a stormwater fee: municipalities across the country are increasingly relying on them

- Over 1400 stormwater utilities exist across the country*
- In Pennsylvania; Philadelphia, Lancaster City, Meadville, Mount Lebanon, and Radnor are collecting revenues
- A lot of local interest from neighboring municipalities (West Goshen, Upper Uwchlan, Pottstown)
- West Chester invited to present at prominent 2015 Villanova
 Stormwater Conference



* Source: Western Kentucky University Stormwater Utility Survey, 2013

Managing the Costs of Municipal Stormwater Management:

Collaborative and Financial Strategies for Meeting Water Quality
Requirements

Hosted by Villanova University and the Pennsylvania Environmental Council
October 13, 2015 at Villanova University, CEER 001





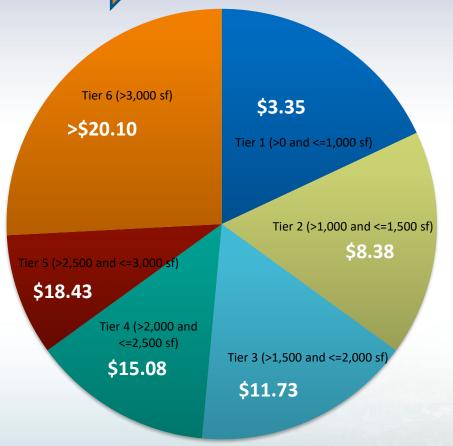






SWAAC Recommendation

Six "tiers" based on amount of impervious area. A property's tier determines the monthly fee*



*All dollar figures shown are based on a base monthly rate of \$6.70/1000 SF as recommended by the SWAAC. The actual base rate will be set by Borough Council.

Tier	Amount of Square Feet of Impervious Area	Percent of Total Accounts
Tier 1	>0 and <=1,000 sf	18%
Tier 2	>1,000 and <=1,500 sf	17%
Tier 3	>1,500 and <=2,000 sf	16%
Tier 4	>2,000 and <=2,500 sf	14%
Tier 5	>2,500 and <=3,000 sf	9%
Tier 6	>3,000 sf	26%

- All properties are distributed into one of six tiers
- Each Tier is charged based on the recommended monthly fee of \$6.70/1,000 ft2 of Impervious Area
- **Median Monthly Fee:**

Residential: \$11.73

Commercial: \$25.87











Develop an incentive program for all property owners to be able to reduce their fees

- Maximum credit is 60% of the fee no one can receive 100% credit since we need funding for the public stormwater system
- Residential properties can receive a Rebate (one time cash back) and/or a Credit (recurring fee reduction)
- Nonresidential and multi-family properties can receive a Credit (up to 60% max).
- Manual, Application and Forms online
- Properties that already have an eligible stormwater management practice (SMP) in place, can apply for a credit







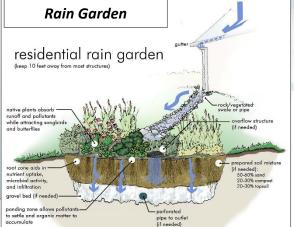






Types of BMPs that are eligible for a rebate or a credit





Plus....

- Environmental outreach programs
- Water quality treatment BMPs (filters, etc.)
- Flood control BMPs

....and more





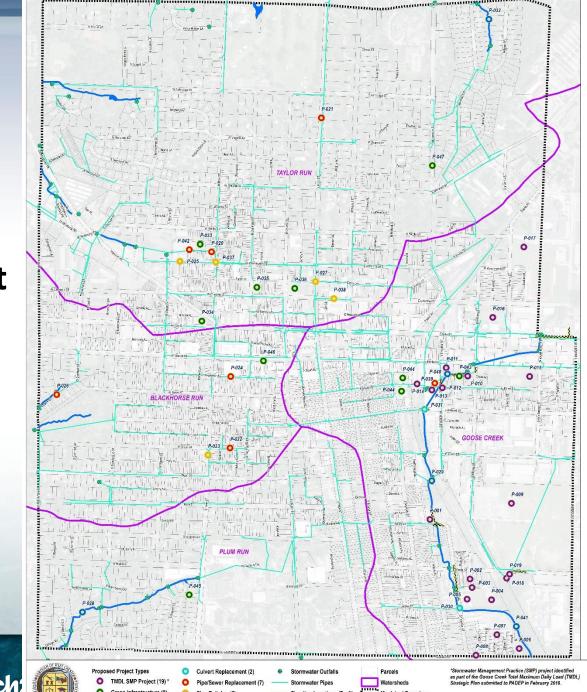






50 Potential Projects

- Green Infrastructure
- Stream Improvement
- Pipe Relining and Replacements

























Fugett Park/Borough Hall: Existing Conditions













Fugett Park/Borough Hall: Proposed Rain Garden







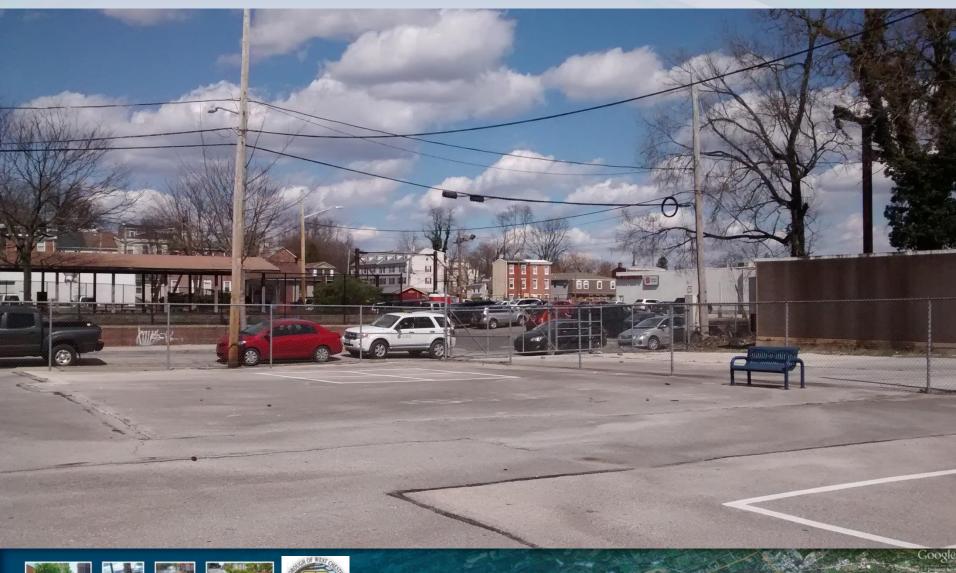








John O. Green Memorial Park: Existing Play Area













John O. Green Memorial Park: Proposed Rain Garden















Veterans Park/Pine Alley: Existing Play Area













Veterans Park/Pine Alley: Proposed Features













Next Steps

- Meetings with stakeholder groups (e.g., BID, Council of Churches, Neighborhood groups, rental community)
- Council committee meetings to discuss GI project development
- Submit grant applications
- Targeting October 2016 for first bills;
 - Annual billing with coupons for quarterly payment











How can I get involved?

- •Get us feedback tonight!
- Contact your Borough Council representatives
- Talk to your neighbors and friends
- Attend Council meetings and ordinance hearings
- Visit http://www.west-chester.com/187/Stormwater-
 Management
 - Frequently Asked Questions (FAQs)
 - Posters on stormwater program
 - Online map showing the impervious area on your property











Questions or Comments









