

Stormwater Stakeholder Advisory Committee

Derry Township Municipal Authority Stormwater Management Program

Meeting #7 - September 8, 2016



Providing a cost effective public service to protect and enhance the water environment and quality of life for our local and regional community

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Agenda

1. Update on Fee and ERU
2. Implementation Steps & Schedule
3. Individual Meetings
4. Religious Institutions
5. Credit Policy

Update on Stormwater Fee and ERU



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Stormwater Fee & ERU

ERU

- DTMA Board approved resolution on ERU
- Sets 1 ERU = 3,800 sq. ft.
- Sets 5 Tier Residential Structure
- Non-residential will be calculated by dividing IA by 3,800 sq. ft.

Stormwater Fee

- DTMA Board approved resolution on Stormwater Fee
- Sets Fee at \$6.50/ERU/Month
- First Billing January 1, 2017



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Single-Family Residential - Approved ERU Tiers

ERU = 3,800 sq. ft. of Impervious Area			
Tier	Impervious Area (sq. ft.)	Billed ERUs	Number of Parcels
1	< 500	0	12
2	500 - 2,999	0.5	1,909
3	3,000 - 4,999	1.0	3,859
4	5,000 - 7,599	1.5	951
5	≥ 7,600	Per ERU	173
Total Single-Family Residential Parcels:			6,904

Total Township Impervious Area & ERUs

Total Township Impervious Area (sq. ft.)		
1.	Single-Family Residential	26,776,539
2.	Multi-Family Residential	2,655,592
3.	Commercial/Industrial	27,860,034
4.	Non-Profit/Tax Exempt	21,544,357
5.	Parks & Recreation	12,064,049
6.	Vacant/Unknown/Public Utility	4,610,600
7.	Agriculture	2,400,300
Total Township Impervious Area (sq. ft.):		97,911,471
Total Township ERUs:		25,766

Estimated ERU Adjustments

Total ERUs	25,766
Appeal Reductions @ 7.5%	(1,932)
Approved Credits @ 20%	(5,153)
Estimated Education Credits @ 2.8%	(721)
Delinquencies @ 2.0%	(515)
Projected Billable ERUs:	17,444

Projected Budget and Fee Calculation

Projected Annual Budget (2017-2021)	
Category	Projected Cost
Administrative/General	\$150,000
Operation & Maintenance	\$330,000
MS4 Compliance	\$290,000
Capital Improvements	\$560,000
Total Annual Cost:	\$1,330,000

Stormwater Management Program Fee Calculation	
Total Annual SMP Cost	\$1,330,000
Billable (Adjusted) ERUs	17,444
Annual SMP Fee (\$/ERU)	\$76.25
Monthly SMP Fee (\$/ERU)	\$6.35
Approved Fee (\$/ERU/Month):	\$6.50

Stormwater Program Implementation & Timeline



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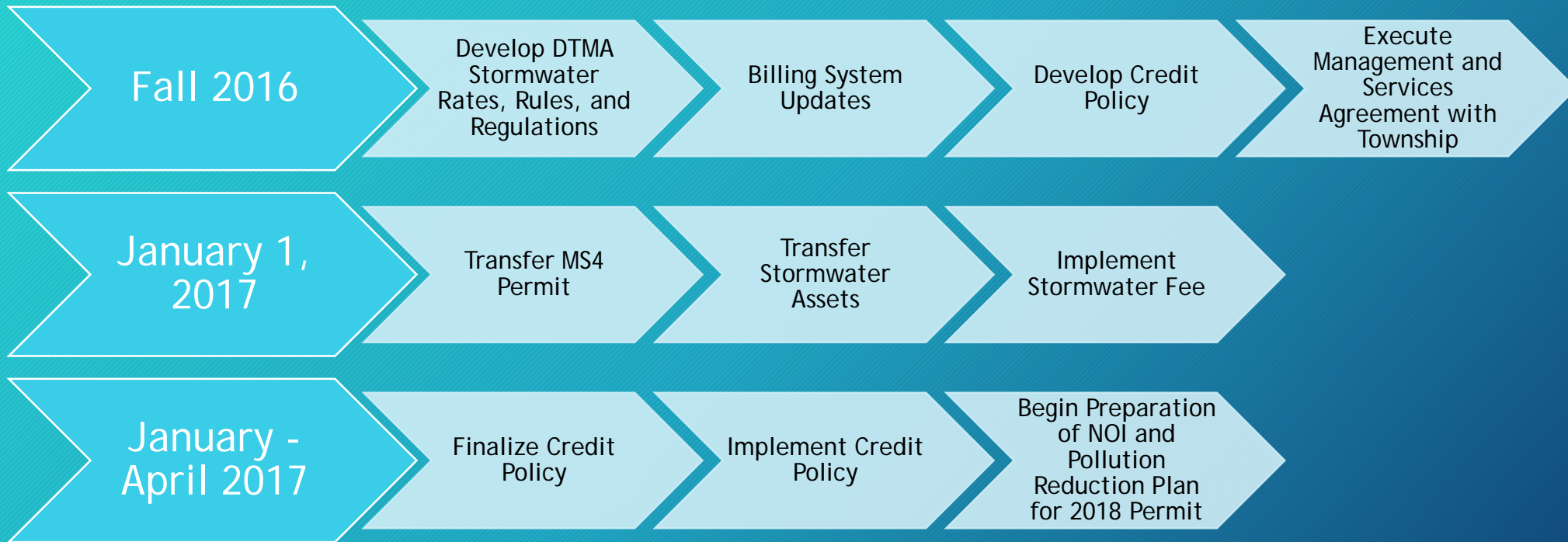
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DTMA Stormwater Goals for 2016

1. Team with Stormwater SAC
2. Expand purpose and powers of the DTMA to include stormwater management
3. Determine appropriate level of service for Stormwater Authority
4. Define Stormwater Program and Policies Working to Complete
5. Establish equitable fee structure
6. Increase public education on effective Stormwater Management, costs, and fees Working to Complete

Implementation Steps & Timeline



Individual Stakeholder Meetings



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Individual Stakeholder Meetings

- DTMA has initiated meetings with several Stakeholders to discuss individual questions and concerns
- Additional meetings scheduled through early October
- DTMA has begun to visit residential subdivisions with HOAs to assess existing conditions
 - Collecting specific information about the relative condition and history of each subdivision's stormwater infrastructure will lend itself to more productive meetings with the HOAs.
- If you would like to schedule an individual meeting, please contact Mike at mcallahan@dtma.com



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Concerns of a Few Religious Institutions

A Brief Background

- Representatives from several of the Township's religious institutions have provided comment at the public meetings and were present at the August DTMA Board meeting to voice their concerns about the economic burden the stormwater fee will place on their organizations.
- DTMA appreciates that these individuals have taken the time to vocalize their concerns and wants to summarize what these individuals have stated for those SAC members who were not present at the public meetings.
- I want to be clear that the material presented is a summary of concerns raised by a few individuals and is not meant to represent all religious institutions in the Township.



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Individual Concerns Related to the Stormwater Fee

- Churches do not have the same mechanism to pass along costs/raise revenue as other commercial institutions
- Money spent on the stormwater fee will result in less money spent on some other community service
- The fee is a tax in disguise / don't see stormwater as utility / think fee creates a slippery slope
- Think burden is disproportionately placed on certain churches because of location
 - Some churches don't have parking lots - less impervious area
 - Newer churches were forced to have large parking lots because of Township regulations
- Believe DTMA does not have the legal authority to assess a fee on tax-exempt properties
 - Referenced that the Navy and PennDot have not paid their bills in Hampden Township
 - Mention of possible legal recourse to challenge legal authority to charge fee



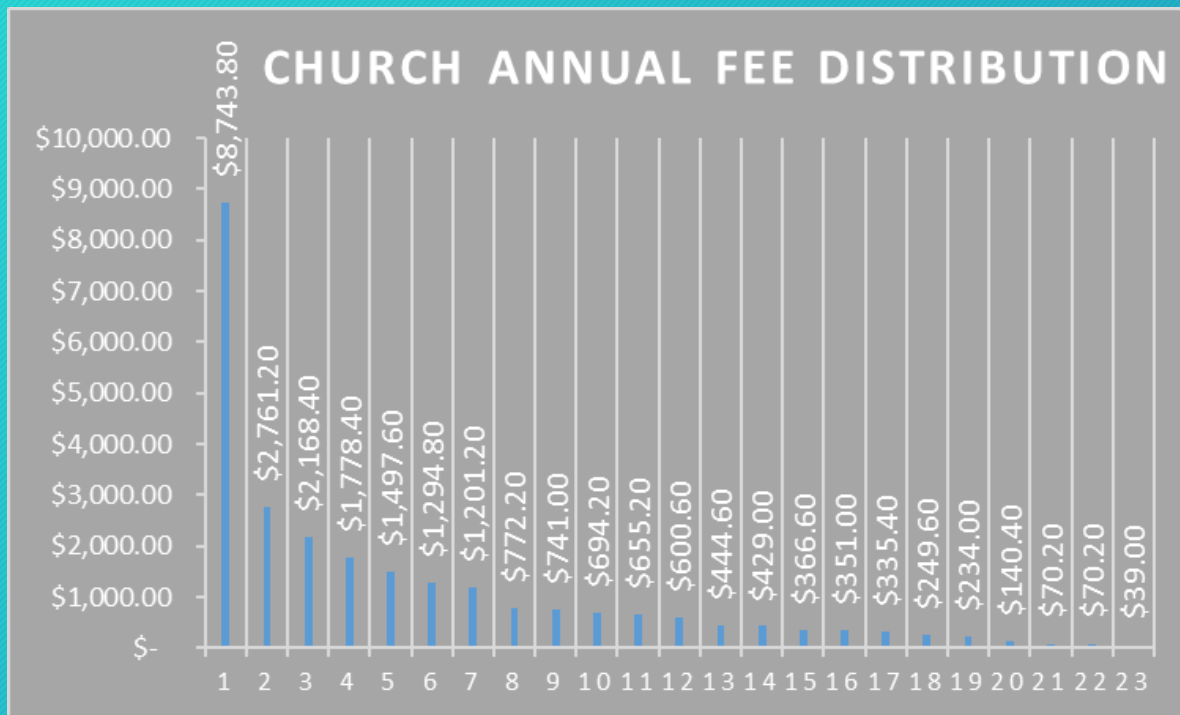
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Breakdown of Church Fees



Church Fee Statistics		
	Full Fee	45% Credit
Total ERUs	328.7	180.8
Total Annual Fee	\$25,638.60	\$14,101.23
Smallest Annual Fee	\$39.00	\$21.45
Largest Annual Fee	\$8,743.80	\$4,809.09
Median Annual Fee	\$600.60	\$330.33

Items to Consider – Based on Individual Feedback

Those individuals who expressed concerns asked us to consider:

- Although church parking lots are large, usually only used heavily one day a week
 - This statement was made in relation to the amount of pollution generated on the impervious areas
- During times of community need, like a flood, churches provide unique community services (shelter, food, etc.)
- Churches have the ability to organize and assemble large groups of people for education and public involvement activities
 - Possible opportunity to be eligible for education and outreach credits similar to educational institutions

DTMA's Credit Policy



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DTMA's Credit Policy – Primary Objectives

Based on Past SAC Meeting Discussion:

- A. Stimulate interest in making certain types of stormwater improvements
- B. Ensure improvements undertaken result in a long term cost reduction impact on the system
- C. Improve Water Quality
- D. Public Education and Awareness
- E. Positive Change in Thinking and Behavior



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DTMA's Credit Policy - Objectives *Revisited*

What Should Our Credit Policy Achieve?

- A. Stimulate interest in making certain types of stormwater improvements - *Incentivize preferred solutions*
- B. Ensure improvements undertaken result in a long term cost reduction impact on the system - *Incentivized activities can't burden the program financially or in terms of resources*
- C. Improve Water Quality, Reduce Volume and Rate of Runoff - *Pollution Reduction Plan Requirements*
- D. Public Education and Awareness - *Need to move beyond just satisfying permit requirements*
- E. Positive Change in Thinking and Behavior - *Need to address this on all levels including homeowners, developers, community planning, etc.*
- F. Data Gathering - *Significant portions of our infrastructure (both public and private) are not well documented or documentation is scattered*



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All Credits are not Created Equal

Structural

- Rate Controls
 - Constructed Wetland
 - Retention Basins
 - Detention Basins
- Volume Controls
 - Pervious Pavement
 - Infiltration Basin/Trench
 - Rain Gardens/Bio-Infiltration
- Water Quality
 - Constructed Wetland
 - Vegetated Swale/Filter

Non-Structural

- Tree Canopy Cover
- Downspout Disconnection
- Existing Permit Holders
 - MS4
 - NPDES
- Soil Fertility Testing/Fertilizer Management
- Septic Tank Pumping

Education/Outreach

- School Curriculum
- Public Workshops
- Stream Clean up
- Inlet Badging/Signage
- Riparian Buffer Planting



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What are the Benefits to DTMA?

- MS4 Permit Needs:
 - Increased BMP documentation
 - Pollution Reduction Plans
 - Local Impaired Waters
 - Chesapeake Bay
 - Education and Outreach
- Long Term O&M:
 - Stormwater infrastructure assets will be owned by DTMA
 - Credits can help incentivize improvements and best practices
- Water Quality
 - Credit Policy can help DTMA gather data needed to make informed decisions on how to best address water quality issues



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Credit Policy Structure

Policy needs to...

- Provide mechanism for landowner to make improvements without being too burdensome
 - If process is too complicated or costly, few will participate
- Address existing practices that are providing benefit
- Avoid burdening DTMA staff with administrative tasks and costs
- Be robust enough to result in system improvement
- Be rooted in *clear* long-term goals for system improvement

Upcoming Meeting Schedule

Wednesday, October 5th

Wednesday, November 2nd

Wednesday, December 7th

Mike Callahan – Stormwater Program Coordinator

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