

Stormwater Committee Recommendations

June 18, 2015



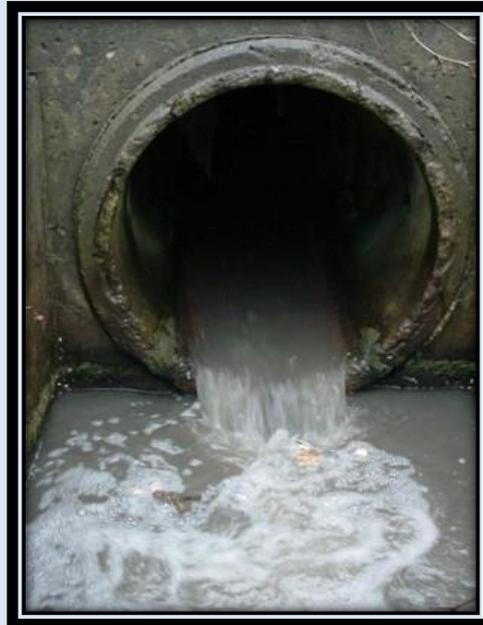
Citizens Advisory Committee

- Frank Stumpo (Chairman), Leah Petrilli, Anne Stock, Terry Williams, Onnie Costanzo, Helga Stokes, Valorie Sherman, Seth Davis, Trebor Evans, John McLane
- Worked with Borough Engineer and Consultant for two years to define the problem, look at alternatives and make recommendations



WHAT MAKES UP OUR STORMWATER SYSTEM?

- ✓ Streets and Alleys (curbs and gutters)
- ✓ Catch Basins and Grates
- ✓ Storm Sewers (12 miles of pipes of various sizes and materials)
- ✓ Little Saw Mill Run and McNeilly Run (Saw Mill Run Watershed)



The Issues Part I ~ Local Flooding and an Antiquated System



- We have serious stormwater related flooding problems in the Borough
Two Examples ~ Latonia Avenue
and Kelton/Athens Alley
- Engineering estimates are
\$1,000,000+ to fix these

- There are other smaller projects
estimates range \$25,000 ~
\$100,000
- We do not know the size, material
or condition (need for repairs) of
about 6 miles of our stormwater
system – Costs are unknown



The Issues II- State and Federal Clean Water Act Mandates



Must reduce sediment input to Saw Mill Run from 92 tons/year to 23 tons/year and must reduce phosphorous input. Total costs are unknown but some costs that we do know will be needed are:

- New Street Sweeper to collect sediment - \$150,000.00 - \$200,000.00
- Storm sewer system inventory repairs – est. \$150,000.00
- Reimburse Borough for stormwater fee related expenses and system repairs- \$220,000.00
- Dormont Pool hydraulic/hydrology infiltration study - \$150,00.00
- Latonia Avenue Project - \$632,500.00
- Athens Alley Project - \$512,000.00
- Public and Employee Education Campaign - \$20,000.00



The Real Problem



There is no way that our General Fund Budget can support all of our local needs as well as the unfunded mandates imposed by State and Federal government regulators.

The Solution

Our Recommendation & Conclusions



- A stormwater fee is necessary. Like other utility fees (water and sanitary sewer) the stormwater fee will be based on the amount of demand a user places upon the system. **All** property owners who generate stormwater runoff from hard surfaces will pay a fee.
- A Stormwater Authority is required to: operate and maintain our stormwater system; meet Federal water quality requirements; conduct needed capital improvements to mitigate flooding and seek and secure grants.

Stormwater Authority Characteristics

Organizationally

- Focused, Mission Oriented Stormwater Management
- Service Related – Facilities, Infrastructure, Regulatory Requirements

Financially

- Sustainable Revenues
 - Programmatic Stability – Dedicated Funding (Dependable)
 - Regulatory Compliance
 - Long-Term View
 - Bondable Revenue Stream
- Equitable Rate Methodologies

Establishing a Fee Requires a Basic Unit of Measure (ESU)

- ESU is an Equivalent Stormwater Unit
- Property classifications
- Fairly homogeneous property types
- Use to develop system-wide equivalency



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Dormont Residential Parcel Analysis

The base unit (ESU) was developed based on the most prevalent residential category (Single Family) and its average impervious area.

Residential Category	Average Impervious Area (ft²)	Residential Parcels in Borough	ESU Factors	Monthly Fee if Rate is \$9/ESU
SINGLE FAMILY	1,883	2,441	1.00	\$ 9.00
ROWHOUSE	892	53	0.50	\$ 4.50
TOWNHOUSE	1,591	10	0.75	\$ 6.75
TWO-FAMILY	2,453	351	1.25	\$ 11.25
THREE-FAMILY	2,692	25	1.50	\$ 13.50
FOUR-FAMILY	3,319	30	1.75	\$ 15.75
Totals:		2,910		

An ESU was developed for each residential category based on a sampling of the residential types and their average impervious areas.

Dormont Non-Residential Parcel Analysis

Every Non-Residential parcel was analyzed to determine its unique impervious area.

- 332 Non-Residential Parcels Analyzed
- Total Impervious Area = 2,165,453 square feet
- Range of ESUs for Non-Residential Parcels is 0 - 87



Non-Residential Parcel - Example 1

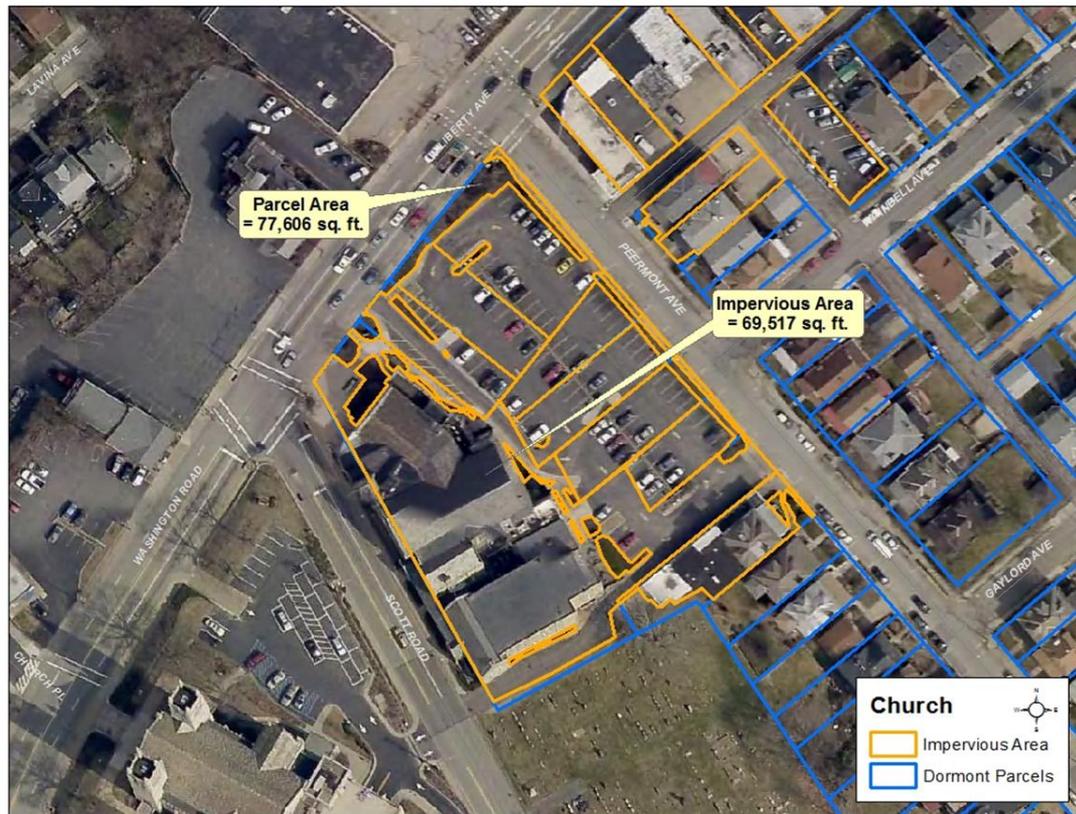
Dormont Elementary School



76.0 ESUs. If monthly fee is \$9/ESU, then annual fee would be \$8,208.

Non-Residential Parcel - Example 2

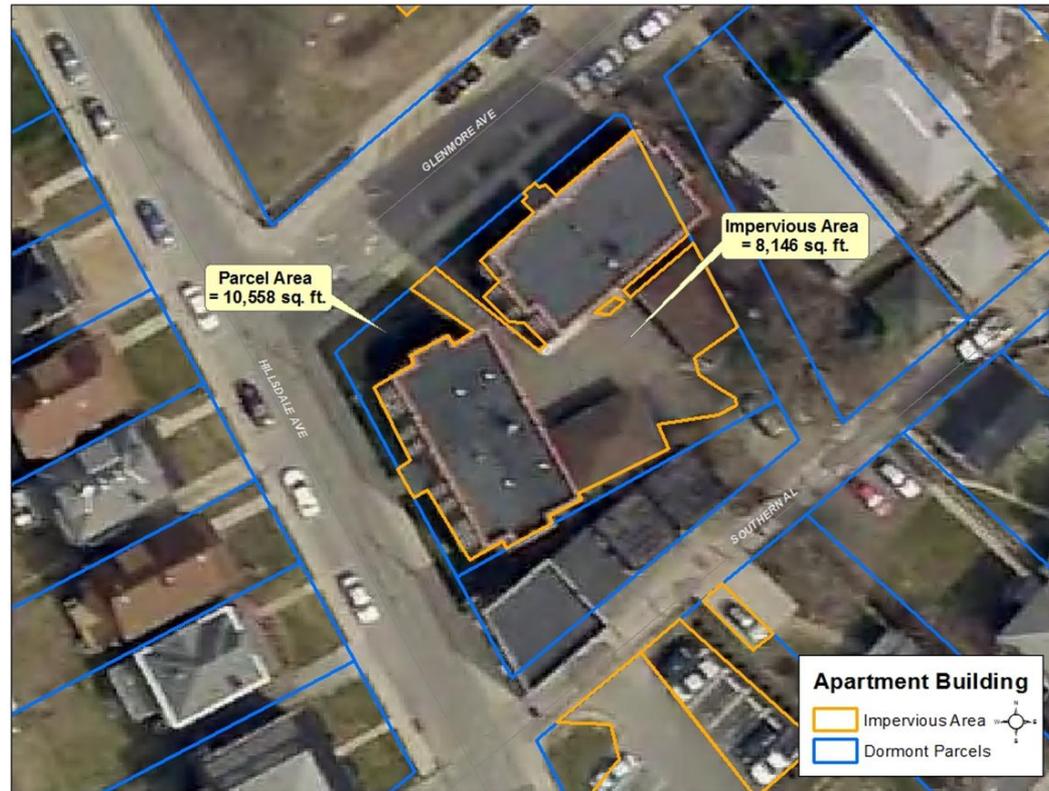
United Methodist Church



37.0 ESUs. If monthly fee is \$9/ESU, then annual fee would be \$3,996.

Non-Residential Parcel - Example 3

Apartment Building



4.5 ESUs. If monthly fee is \$9/ESU, then annual fee would be \$486.

STORMWATER AUTHORITY SCHEDULE



- June 1st 7:00 PM Council Meeting - Stormwater Committee recommendations briefing
- June 18th 5:00 - 8:00 PM Informal Public Workshop on Stormwater Committee recommendations
- July 6th 7:00 PM Council Meeting - Introduce an Ordinance to establish a Stormwater Authority
- August 3rd 7:00 Council Meeting - Consider Ordinance to establish a Stormwater Authority
- September 7th 7:00 PM Council Meeting - Consider Ordinance to Appoint Stormwater Authority Board
- September - December - Stormwater Authority organizes (i.e., elects officers, develops by - laws) Identifies projects, establishes stormwater fee and develops billing procedures, etc.
- January 2016 - Fee and Projects Begin