

Stormwater Fund Overview

Public Works Committee

March 20, 2018



Outline

- Overview of the Stormwater fund
- Current residential and non-residential rate structure
- “Stressors” to the Stormwater fund
- Current stormwater spend plan and observed trends

Stormwater Fund

- Annual revenue is \$10,200,000.
- Most recent rate structure was established in FY 07/08.
- Established 4 residential tiers and 1 non-residential rate.
- No rate or fee increases in the last 10 years.

Funding the Program: *Where the Money Comes From*

Plan review fees	\$2,200	0.02%
Residential Stormwater Fees	\$4,191,072	41.39%
Non-residential Stormwater Fees	\$5,932,630	58.59%
Total	\$10,125,902	100%

Note: values based on historical average

Stormwater Impervious Area

	<u>Impervious Square Feet</u>	<u>% of Total</u>
Comm./Institutional	300 Million	57%
Residential	223 Million	43%
Total	523 Million	100%

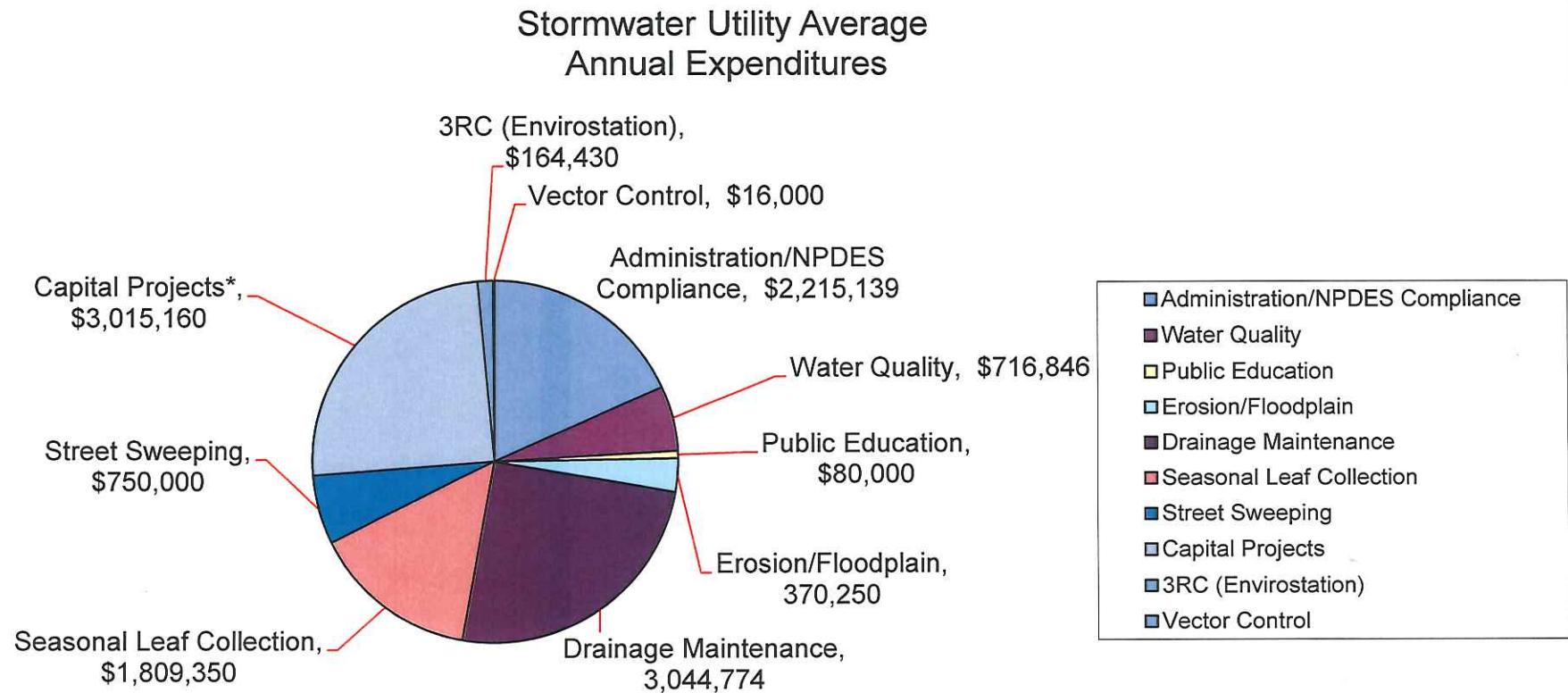
Equivalent Residential Unit = 3,462 sq. ft.
(Total Residential Impervious Sq. Ft. / # of residential properties)

Residential and Nonresidential Billing Structure

Tier	Impervious Area (sq. ft.)		Scaling Factor	Annual Fee
I	1	2,000	0.95	\$51.00
II	2,001	4,000	1.00	\$54.00
III	4,001	6,000	1.50	\$81.00
IV	>6,000		2.00	\$108.00

- Nonresidential users are charged \$831.00 per impervious acre annually.
- Minimum charges are \$55.00 annually.

What the Money Pays For

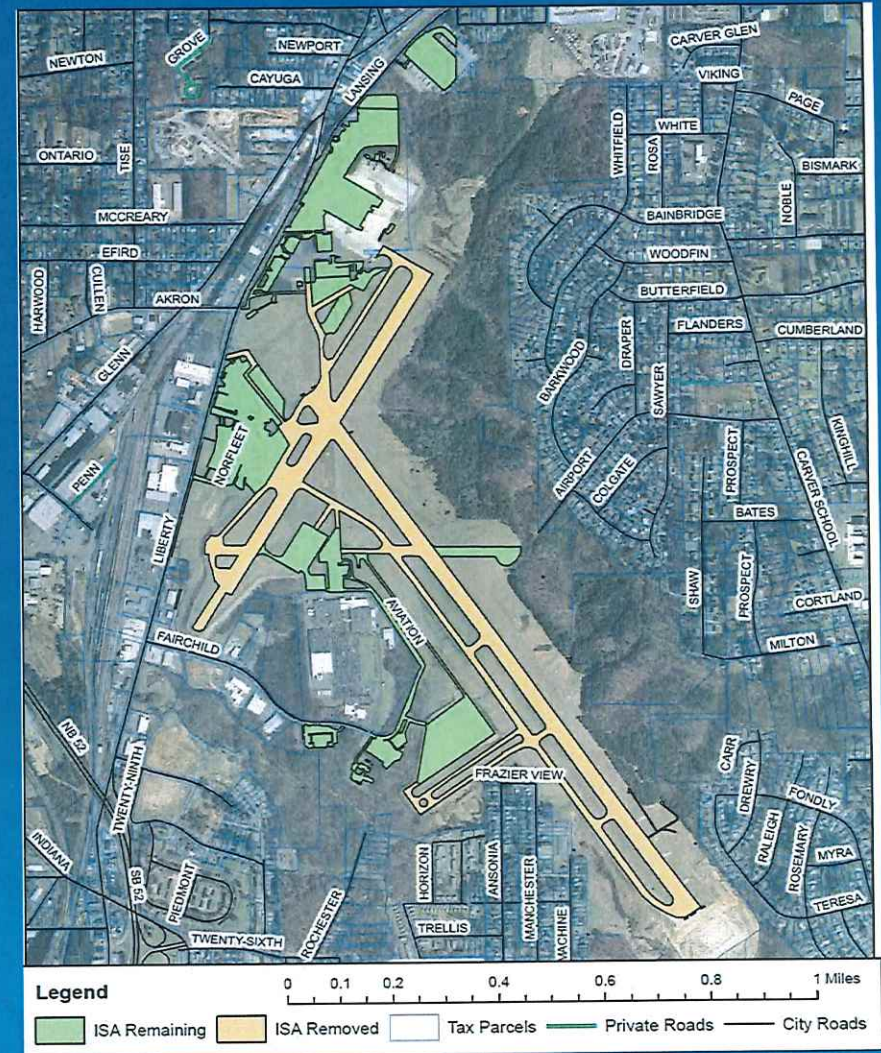


Note: Based on average annual expenditures.

* Capital projects component has experienced exponential growth

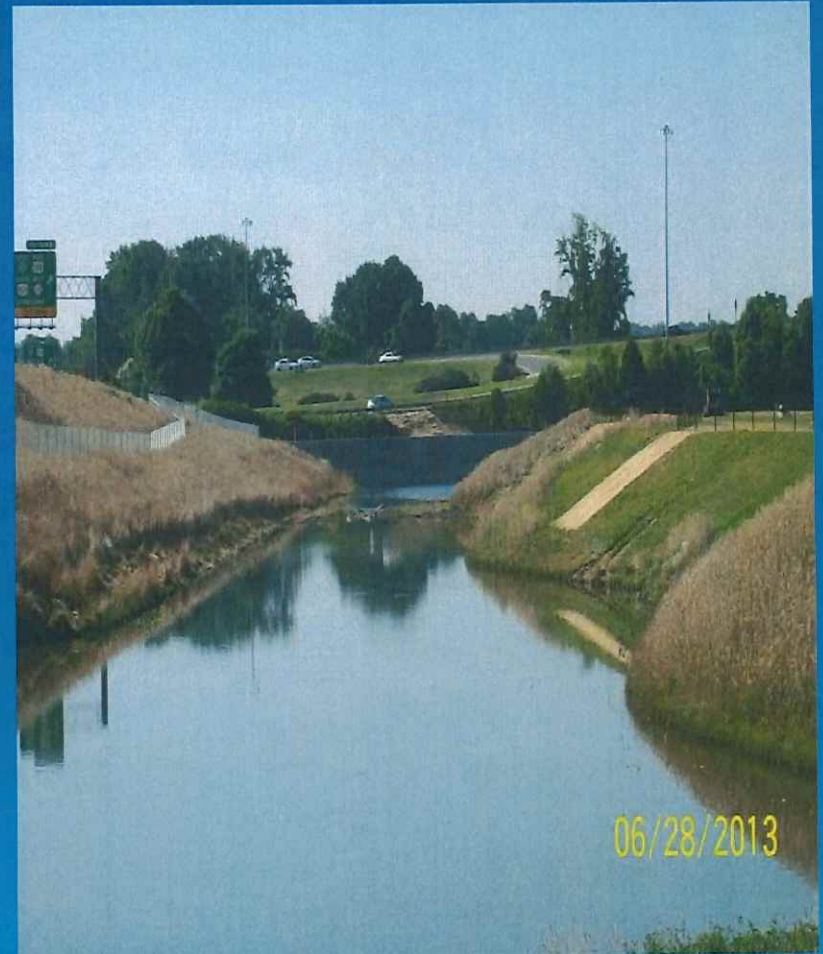
Stressors to the Fund (Decommissioning of Impervious Area)

- Airport taxiways and runways were exempted from paying impervious surface fees via HB 275 in 2017.
- Whitaker Park has reduced its impervious footprint significantly in recent years.



Stressors to the Fund (Growing List of Capital Drainage Projects)

- Currently public system only (City owned parks were recently included in stormwater repair efforts)
- Over 30 projects throughout the city
- Cost of over \$24,000,000 and growing
- Projected over 20 years to complete
- New projects will develop in the future



Stressors to the Fund

(List of Drainage Projects page 1)

Old Salem Drainage Project	\$4,511,840
Lockland Park Drainage Project	\$1,080,950
Spring Park Drainage Project	\$1,500,000
Drainage Improvements on Private Property (70/30 or 80/20 cost share program)	\$250,000
Stormwater Infrastructure Improvements	\$1,000,000
7 th Street Drainage Project	\$1,750,000
Miller Park Stream Restoration Project	\$200,000
Washington Park Stabilization and Retrofit Project	\$570,610
Macon Drive Drainage Project	\$431,000
Northwest Blvd Drainage Repair	\$100,000

Stressors to the Fund

(Growing list of Drainage Projects page 2)

Bennett Drive Infrastructure	\$425,000
261 Commonwealth Drive	\$340,000
FEMA Flood Grant 2870 Marguerite Park Drive	\$206,921
City Yard Remediation Project –Phase I (Pollutant removal, Fly Ash and Petroleum Contaminated Soil)	\$3,566,017
City Yard Remediation Project -Phase II (Regional Stormwater Facility Construction)	\$7,122,099
Edgebrook and Bethabara Infrastructure Improvements	\$690,000
City Yard 48" CMP (bore/jack replacement)	\$410,000
PTRP Piping Enhancement Project	\$300,000
995 Somerset Stream Stabilization Project	\$415,000

Stormwater Management Funds Cash Flow Projections

MILLIONS

\$30

25

20

15

10

5

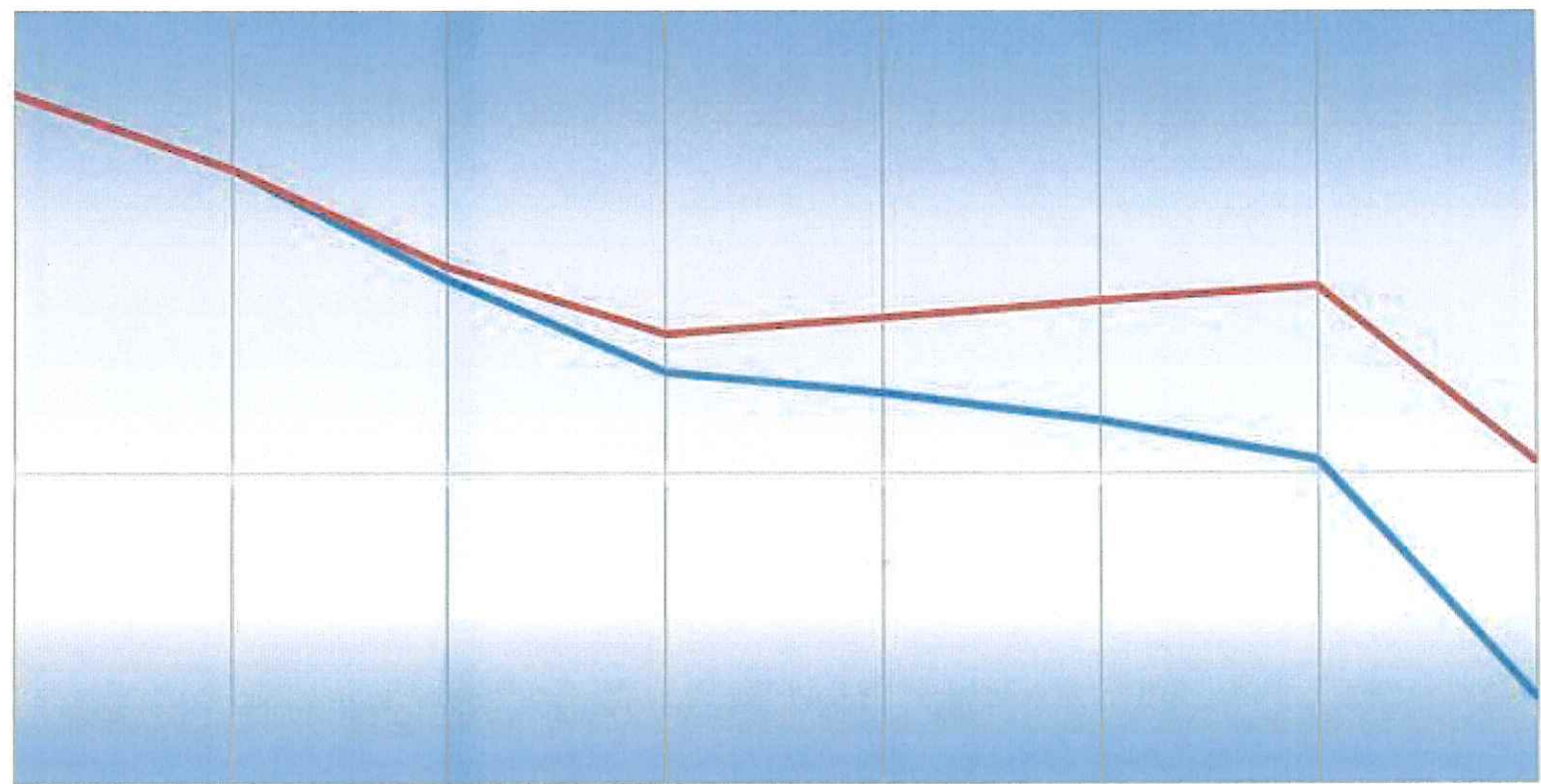
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(5)

(10)

(15)

(20)



2017

2018

2019

2020

2021

2022

2023

2024

— No rate increase

— Rate increase

City of Winston-Salem

Stormwater Management Fund

Cash Flow Projection

Project Rate Increase			8.00%	8.00%	8.00%	3.00%	3.00%	3.00%
	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Projected
Fiscal Year Ended June 30,	2017	2018	2019	2020	2021	2022	2023	2024
Revenues	12,536,302	10,784,103	11,589,735	12,415,236	13,312,987	13,681,780	14,090,228	14,509,680
Expenses	10,627,135	10,325,270	10,315,852	10,501,509	10,675,474	10,936,967	11,074,011	11,369,147
Net Income (loss)	1,909,167	458,833	1,273,883	1,913,727	2,637,513	2,744,813	3,016,217	3,140,533
Capital outlay/pollution remediation	789,902	(5,231,560)	(7,656,840)	(6,337,017)	(1,550,000)	(1,550,000)	(2,110,000)	(14,587,099)
Net increase (decrease) cash	2,699,069	(4,772,727)	(6,382,957)	(4,423,290)	1,087,513	1,194,813	906,217	(11,446,566)
Cash and Investments - End of year	\$ 24,593,836	\$ 19,821,109	\$ 13,438,152	\$ 9,014,862	\$ 10,102,375	\$ 11,297,188	\$ 12,203,405	\$ 756,840
Bonds Outstanding	\$ 10,610,000	\$ 10,105,000	\$ 9,585,000	\$ 9,040,000	\$ 8,470,000	\$ 7,885,000	\$ 7,275,000	\$ 6,645,000
Total Debt Coverage (2nd Prong-Requires 1.00)	1.2	1.1	1.7	2.1	2.8	2.9	3.3	3.4

Questions?