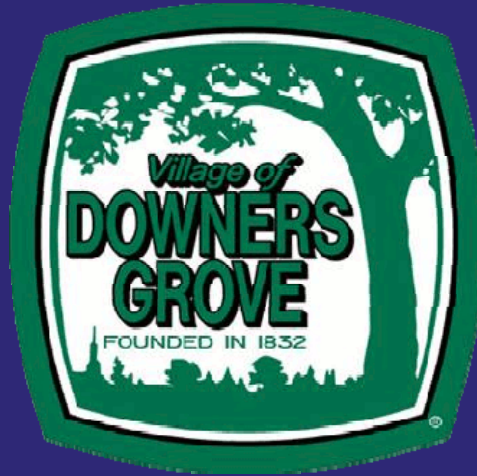


Village of Downers Grove

Stormwater Utility Study



Level of Service
September 13, 2011



Agenda

- I. Level of Service - Current and Recommended
- II. Current Revenues and Funding Gap
- III. Magnitude of Fee and Benchmarking

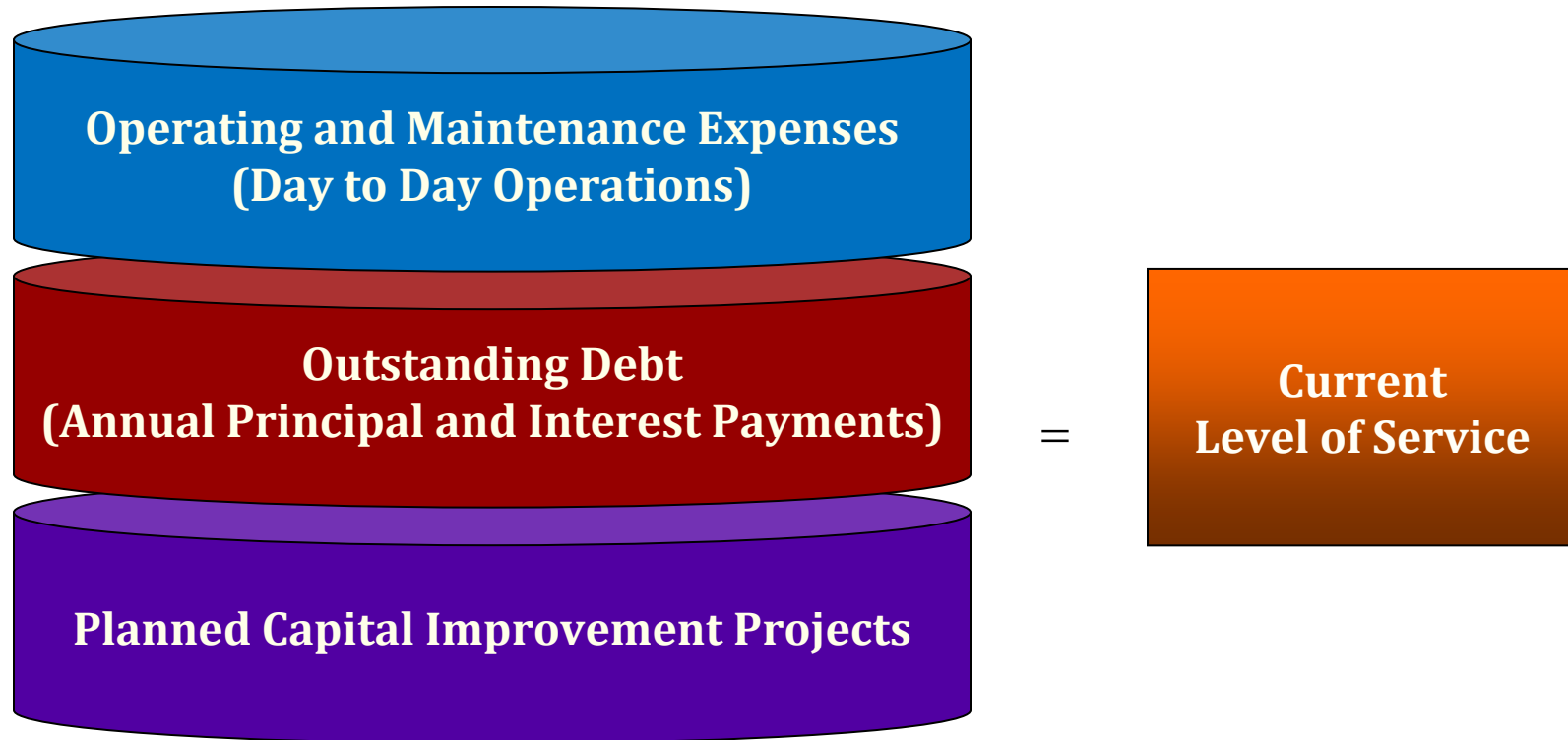


Timeline

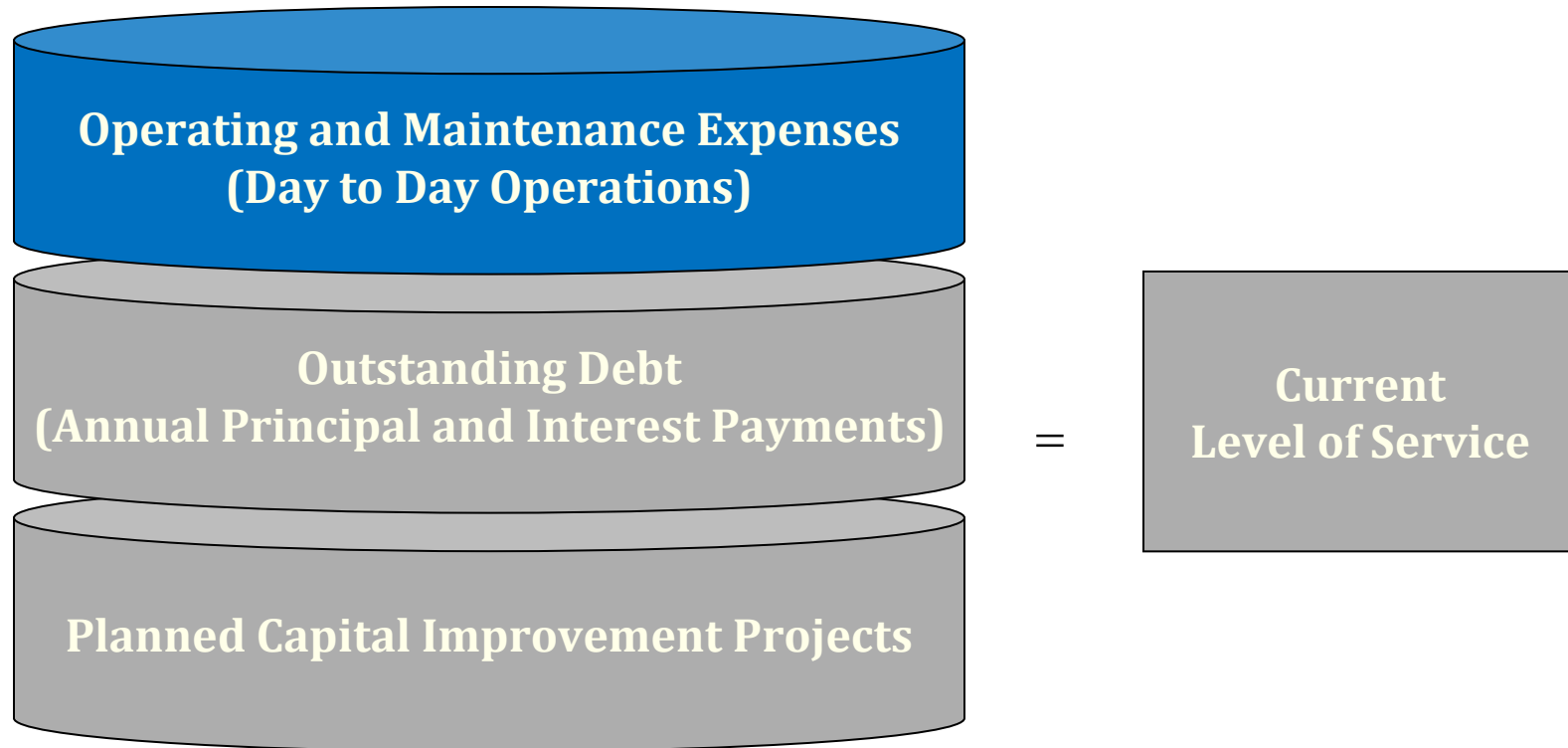
- Workshop #2 – Level of Service and Magnitude of Fee (September 13, 2011)
- Workshop #3 – Fee Structures, Billing Methodology, Administration (1st meeting in October)
- Workshop #4 – Recommendations (3rd meeting in October)

Level of Service

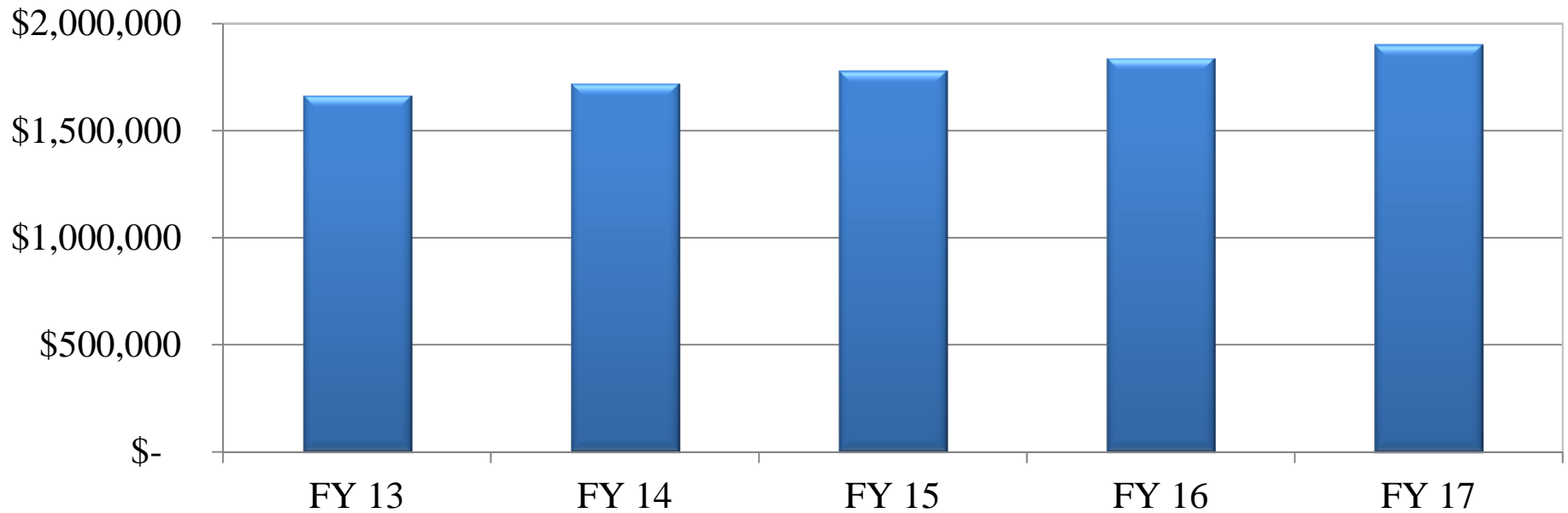
Current Level of Service



Current Level of Service

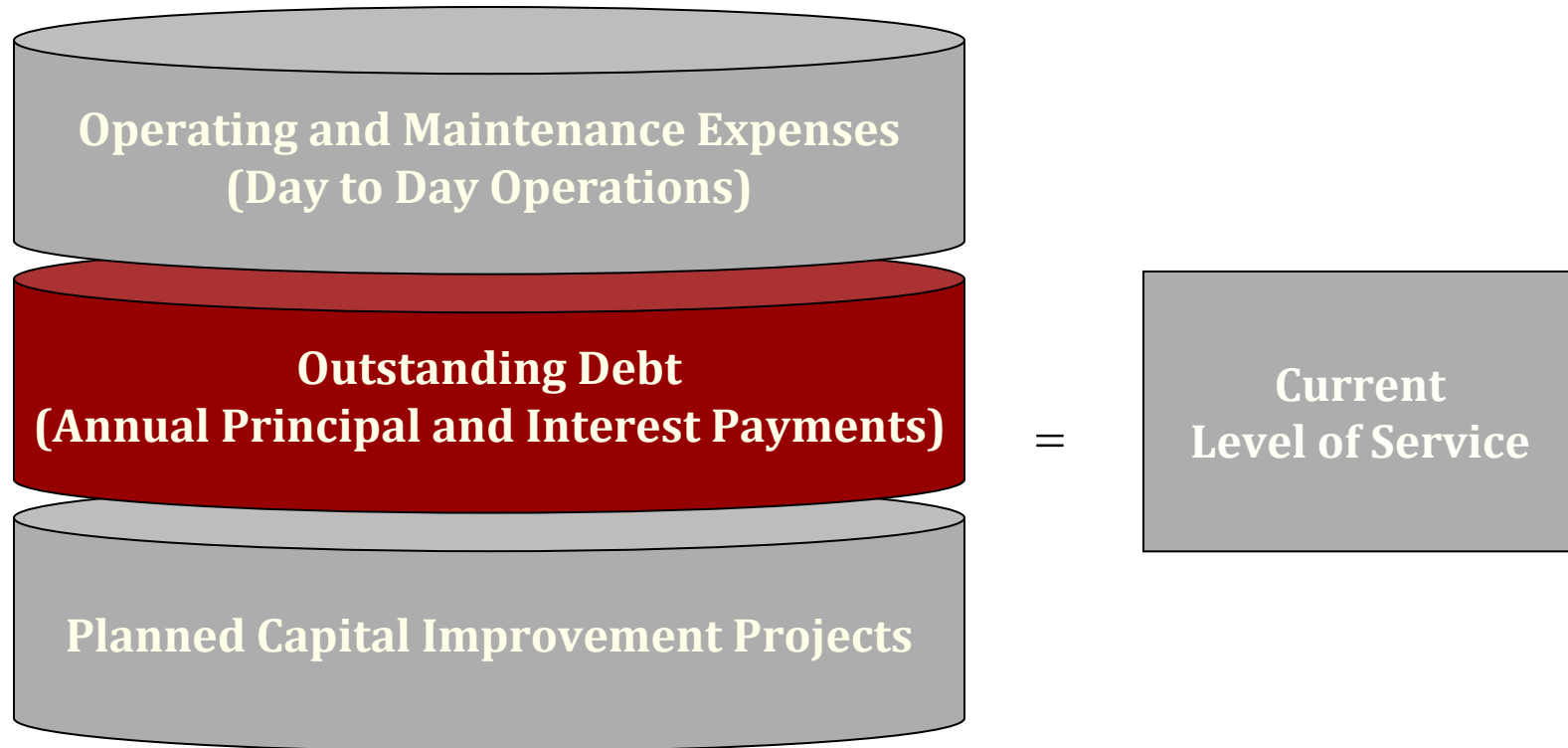


Total Operating & Maintenance Expenses



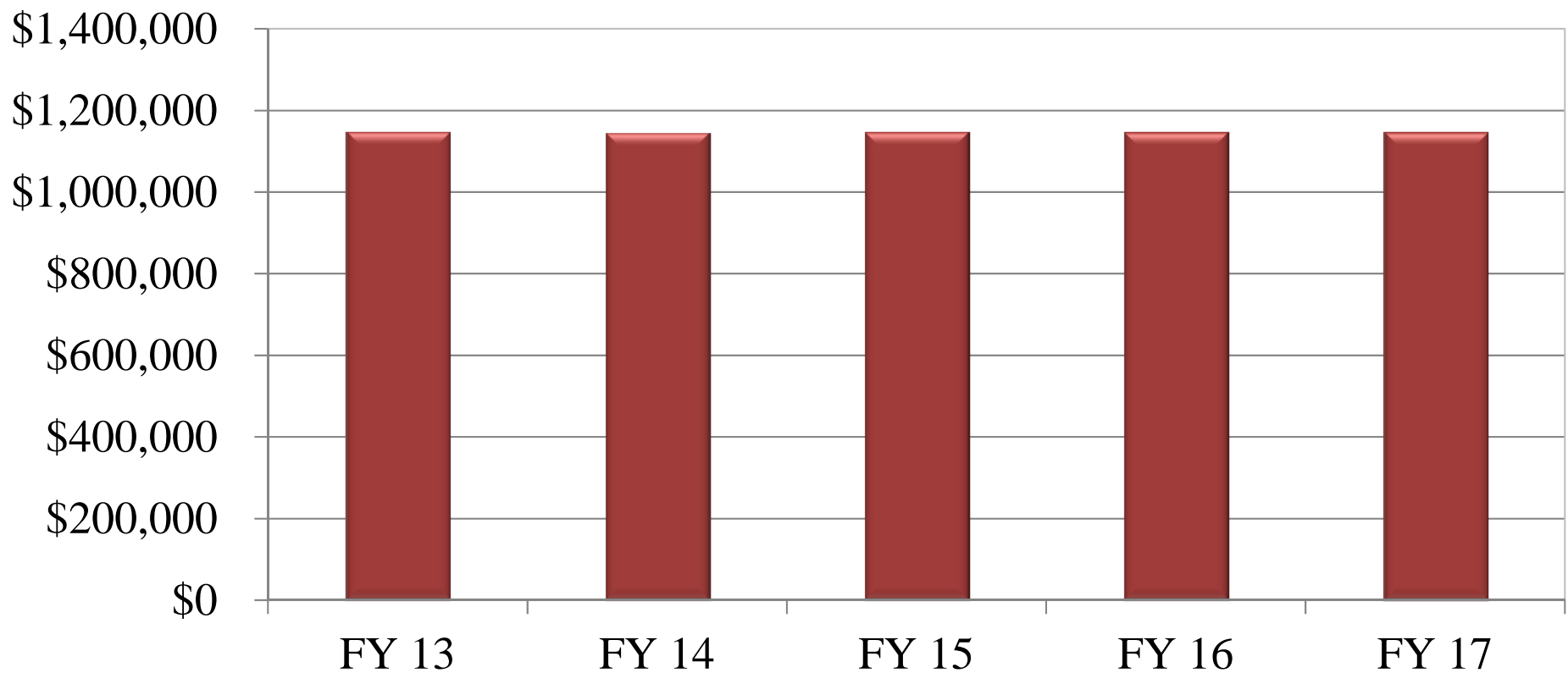
<i>(millions)</i>	FY 13	FY 14	FY 15	FY 16	FY 17
Current O&M	\$1.66	\$1.72	\$1.77	\$1.83	\$1.90
<i>Change</i>		3.41%	3.41%	3.41%	3.41%

Current Level of Service



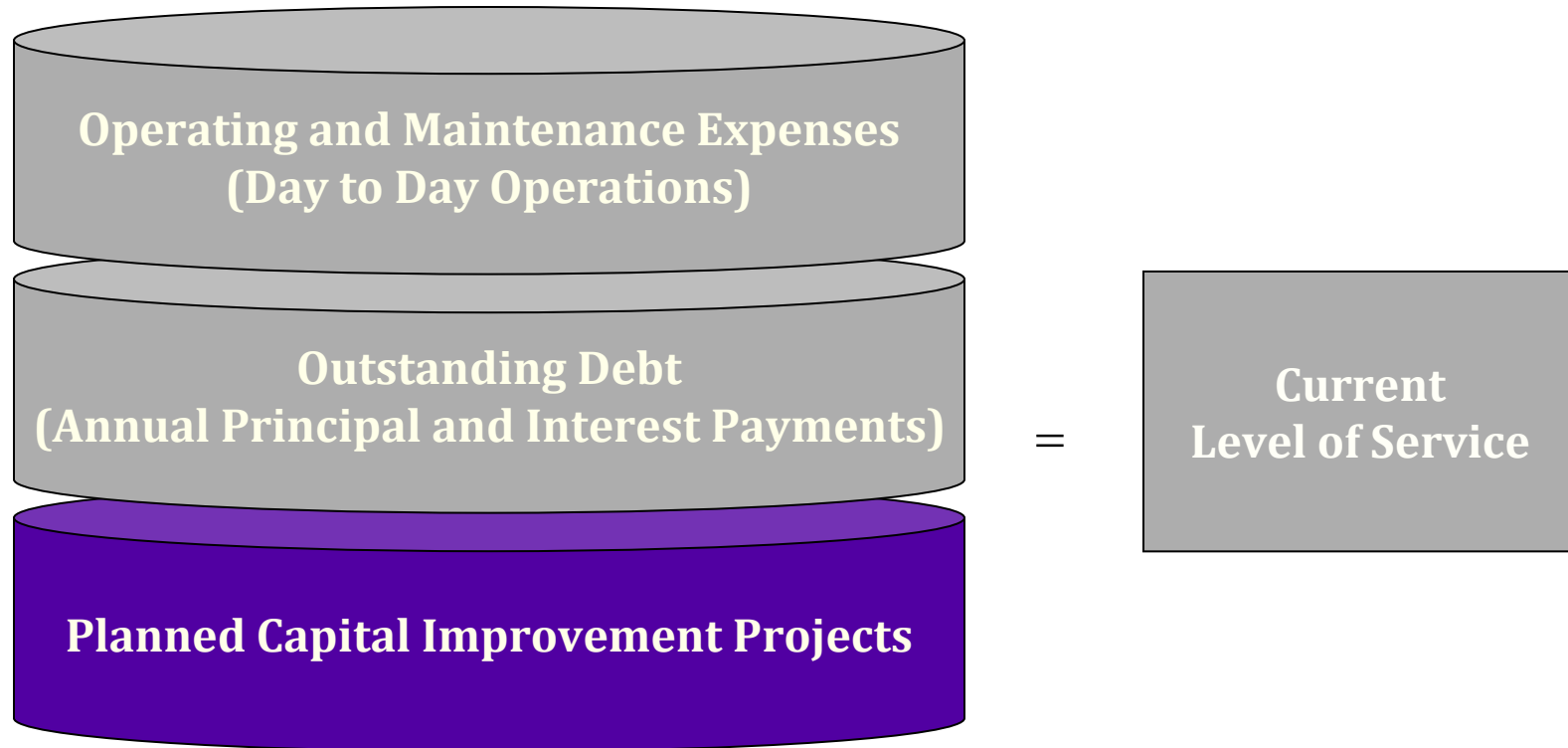
Existing Debt Service

Series 2008A Stormwater Improvements



*Series 2008A debt retired by FY 38

Current Level of Service



Current Capital Improvements

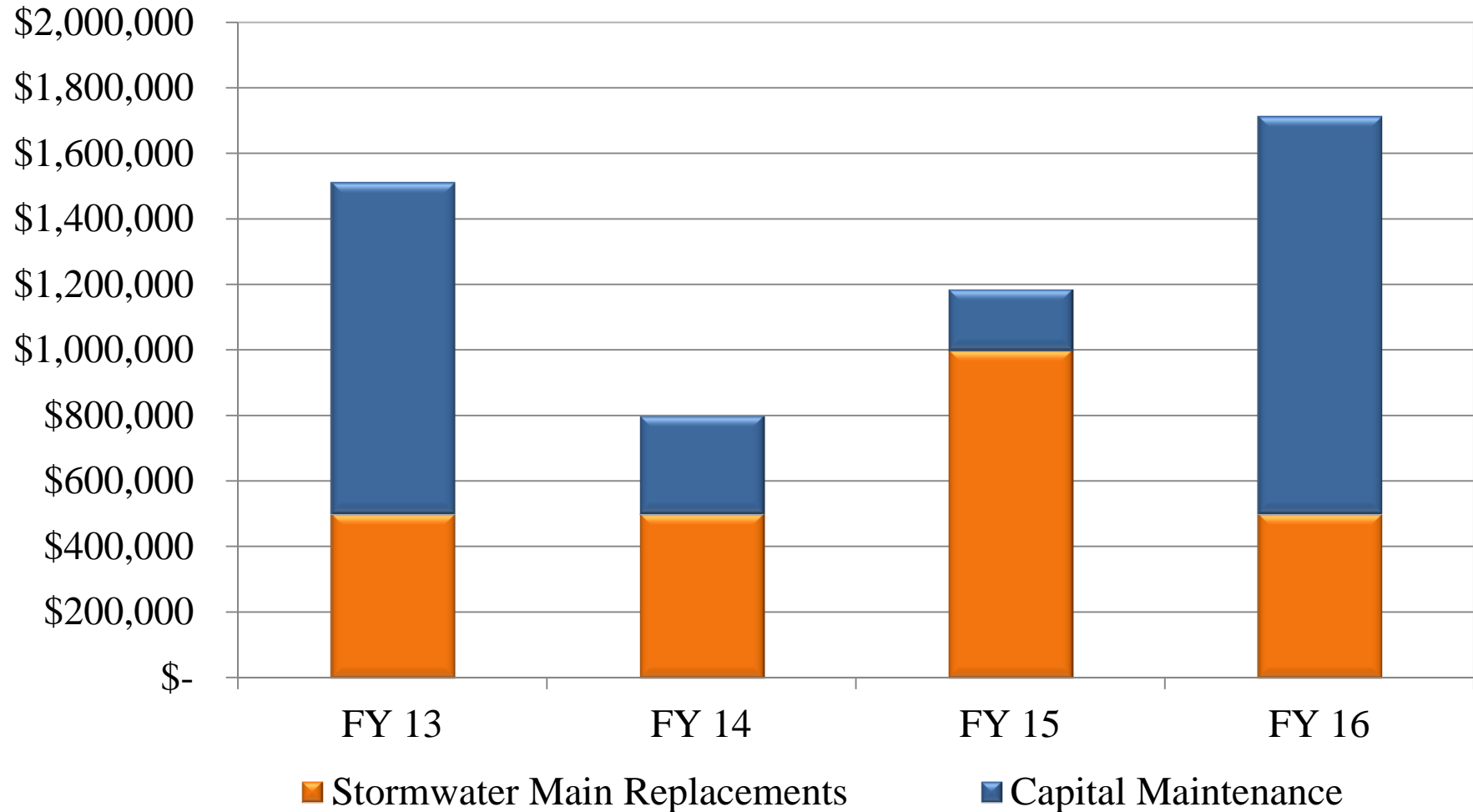
Three main categories of capital projects

- Capital Maintenance (current level of service)
 - Repair of existing stormwater assets (e.g. Streambank stabilization, Pond repairs)

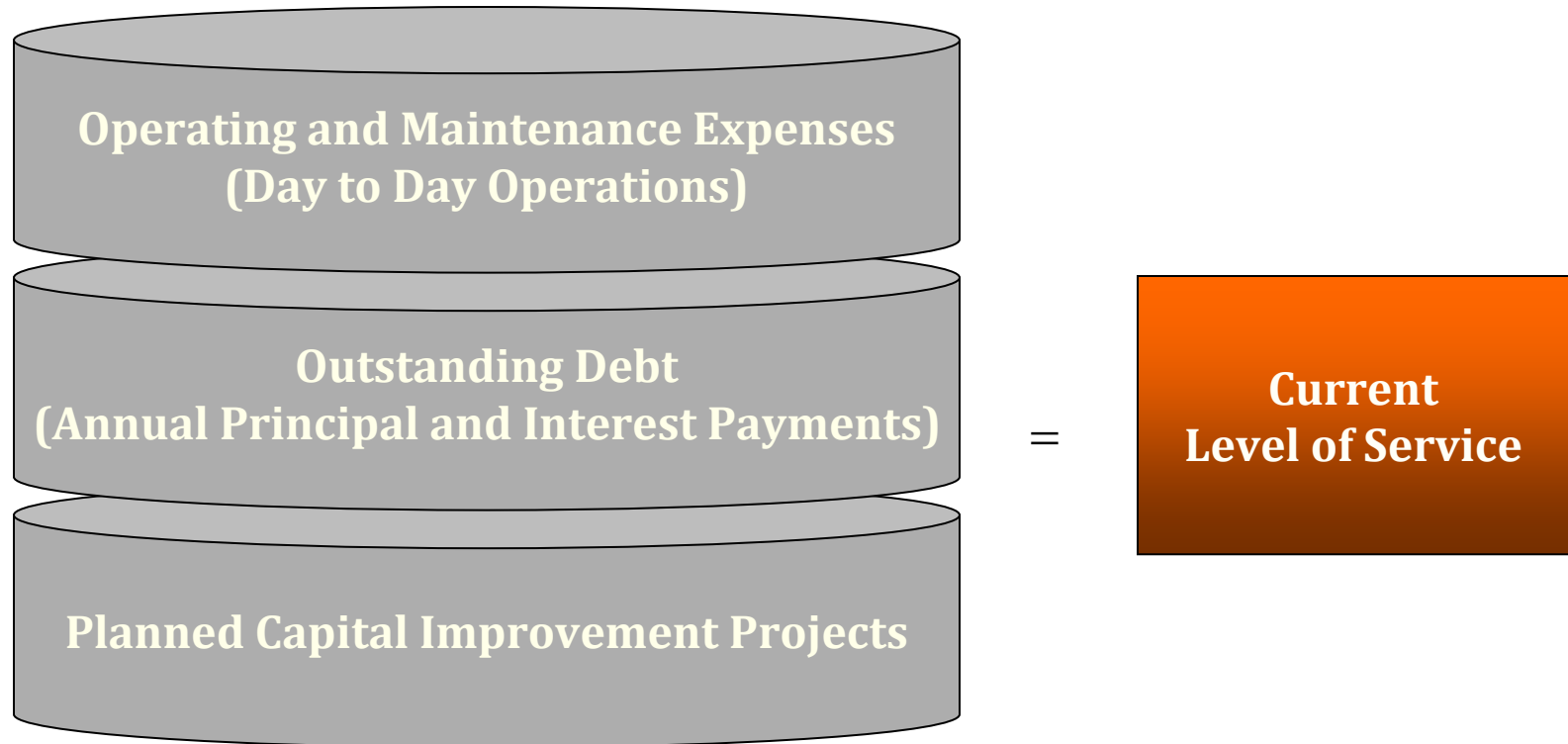
- Stormwater Main Replacement (current level of service)
 - Replacement of existing stormwater mains

- Watershed Improvements (recommended level of service)
 - Expansions or improvements to stormwater system

Current Capital Improvement Plan

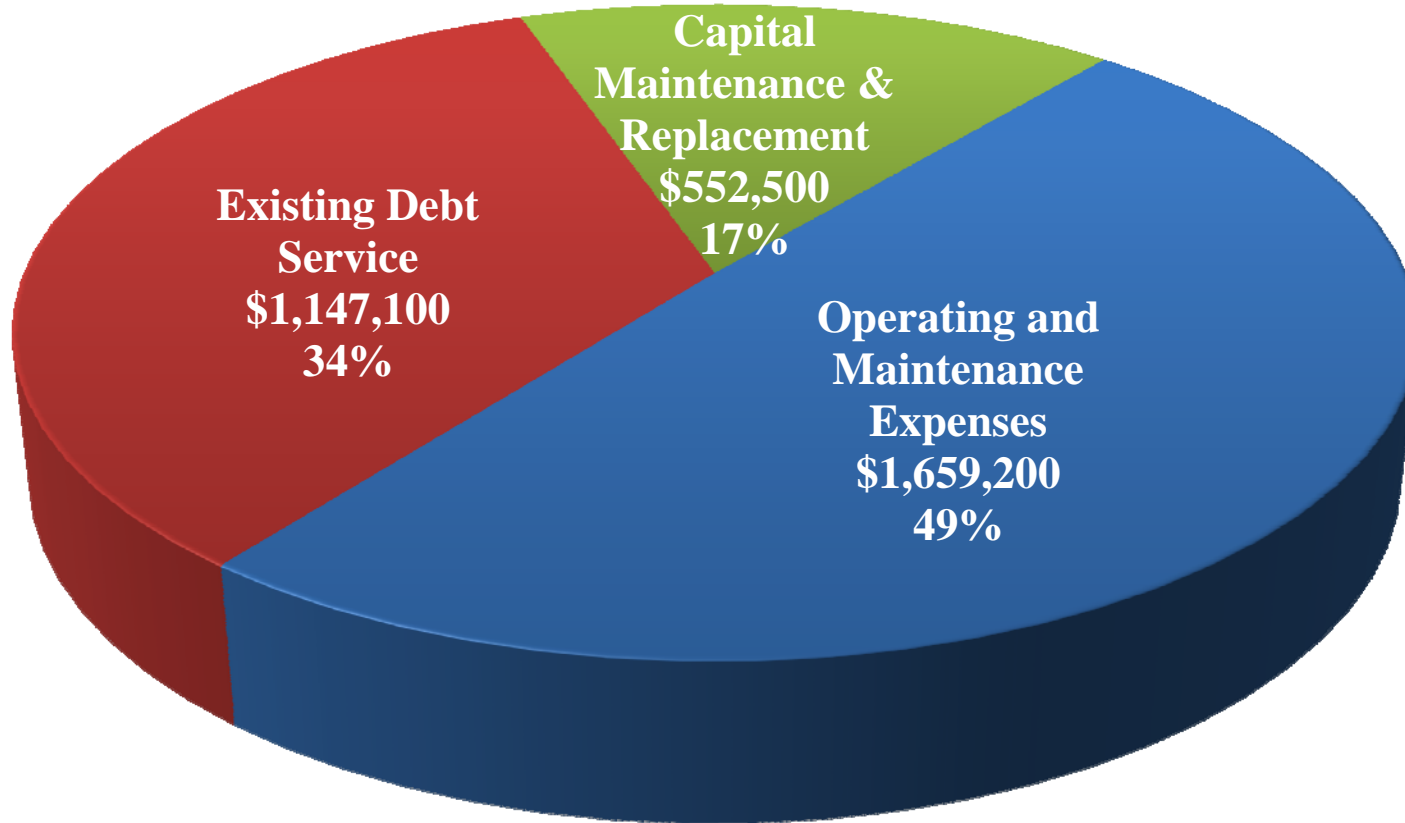


Current Level of Service



Total Current Level of Service – FY 13

Current Level of Service: FY 13 - \$3,358,800



Total Current Level of Service – FY 13



Operating and Maintenance
\$0.49

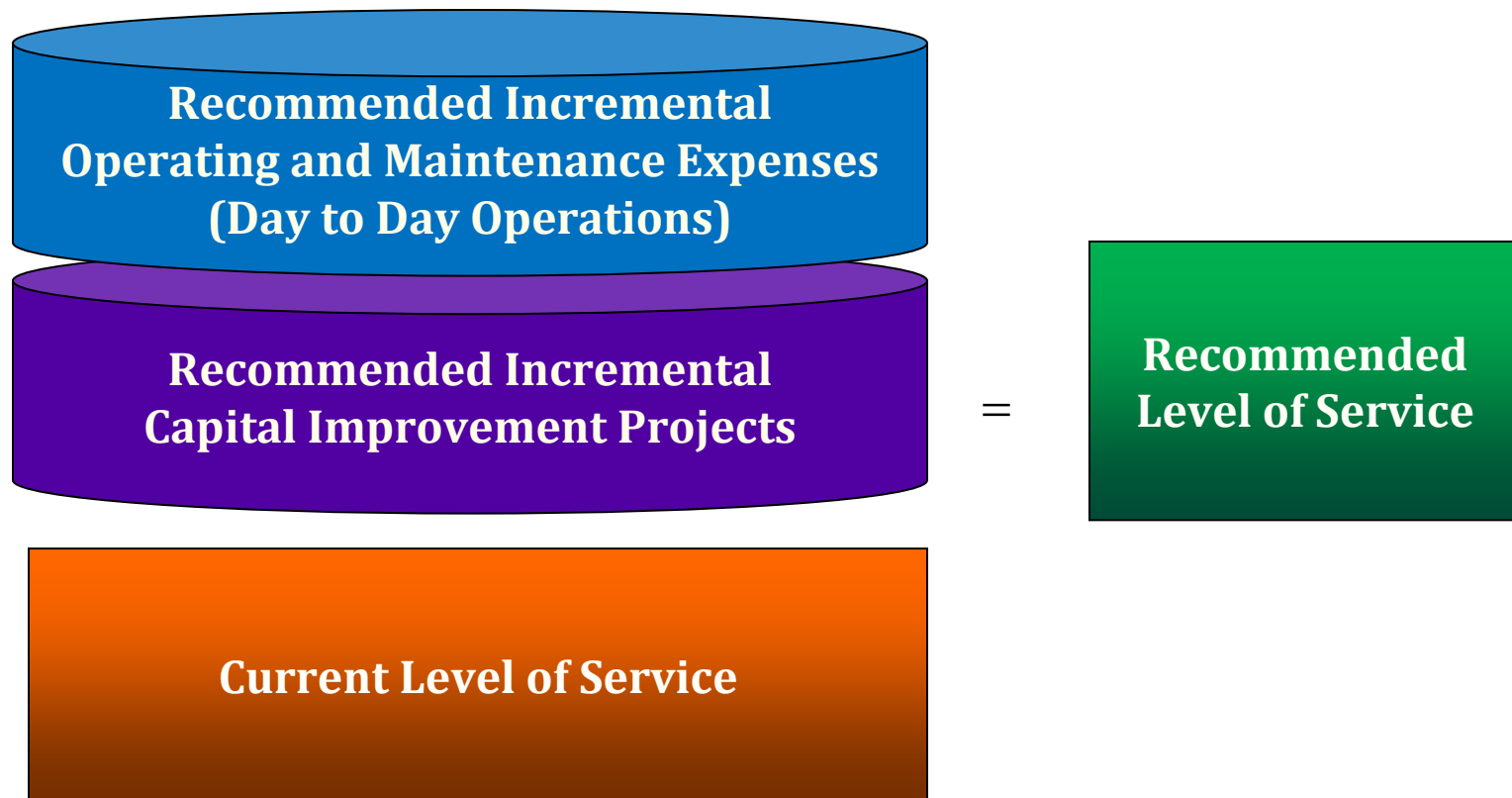
**Capital
Maintenance &
Replacement**
\$0.17

Existing Debt Service
\$0.34

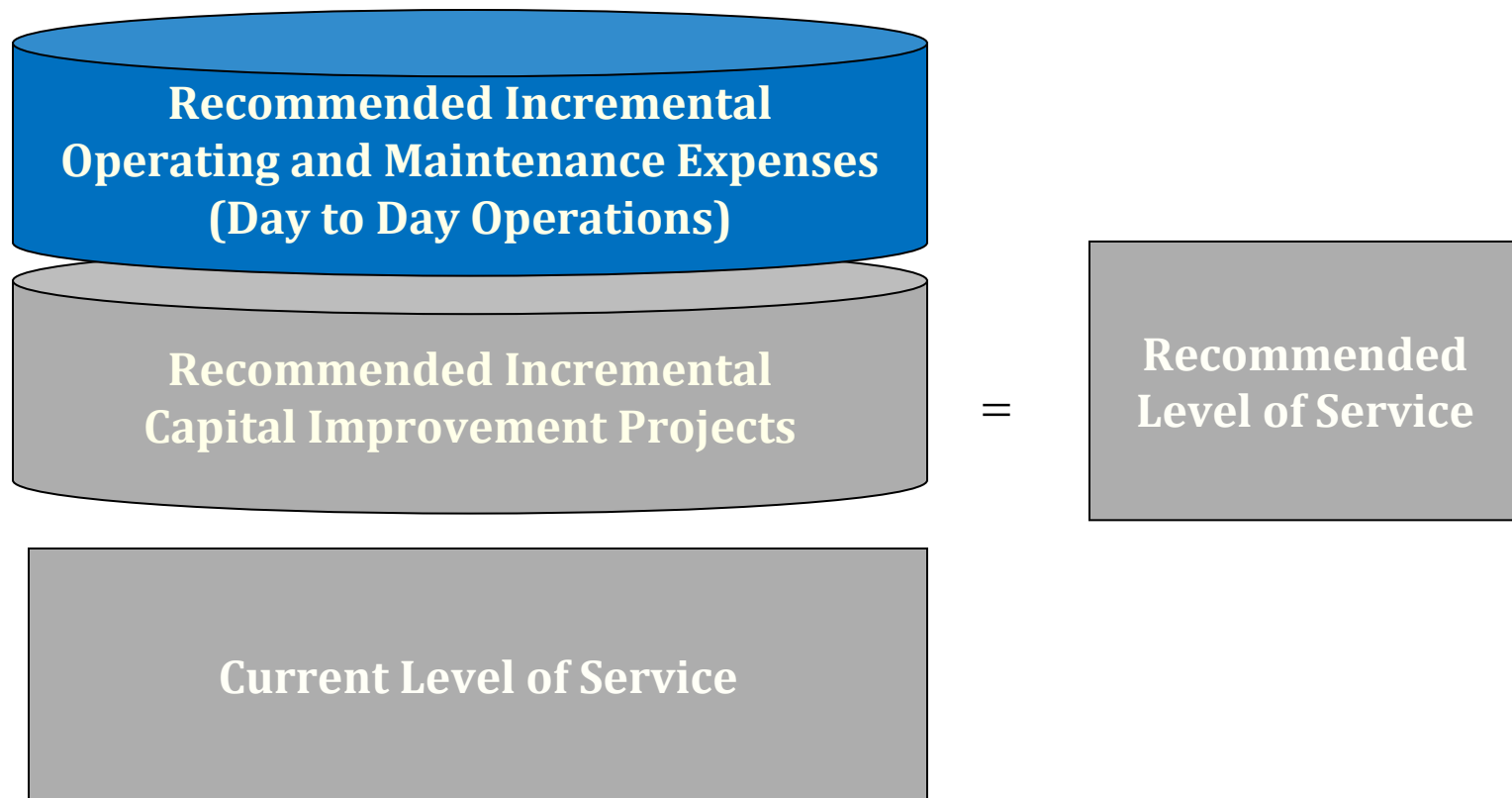
Current Level of Service - Forecast

	FY 13	FY 14	FY 15	FY 16	FY 17
Operating and Maintenance	\$1,659,200	\$1,715,700	\$1,774,200	\$1,834,700	\$1,897,300
Existing Debt	\$1,147,100	\$1,144,800	\$1,146,200	\$1,146,100	\$1,145,400
Capital Maintenance & Replacement	\$552,500	\$797,700	\$1,185,000	\$1,715,000	\$1,000,000
Total	\$3,358,800	\$3,658,200	\$4,105,400	\$4,695,800	\$4,042,700

Recommended Level of Service



Recommended Level of Service



Current Operating & Maintenance Activities

Maintenance Activity		Assets	Current	
			Assets Managed per Year	Maintenance Cycle (years)
Structure Maintenance	Catch Basin Cleaning	7,000	650	11
	Structure Repair	7,000	20	350
	Structure Replacement	7,000	10	700
	Lid Replacement	7,000	20	350
Storm Sewer	Cleaning	128 miles	10	13
	TV Inspection	128 miles	7	18
Street Sweeping	Sweeping - Curb & Gutter	80 miles	80	9 x*
	Sweeping - Curb & Gutter CBD	20 miles	20	22 x*
	Sweeping - Rural Section	50 miles	0	0
Stream Maintenance	Initial Maintenance	12 miles	0	0
	Inspection	12 miles	1	12
	Routine Maintenance	12 miles	2	6

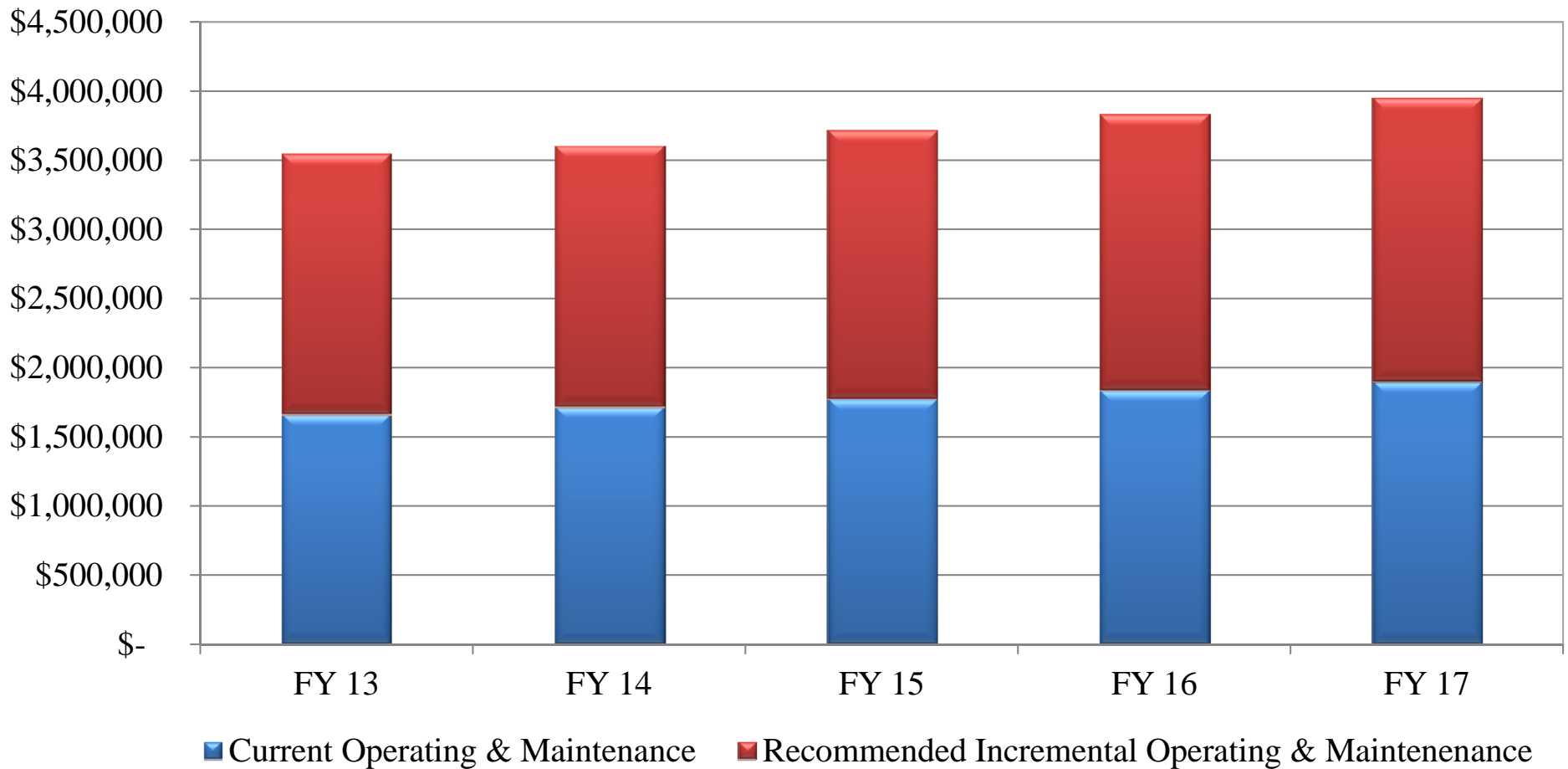
x*- represents times per 1 year

Recommended Operating & Maintenance Activities

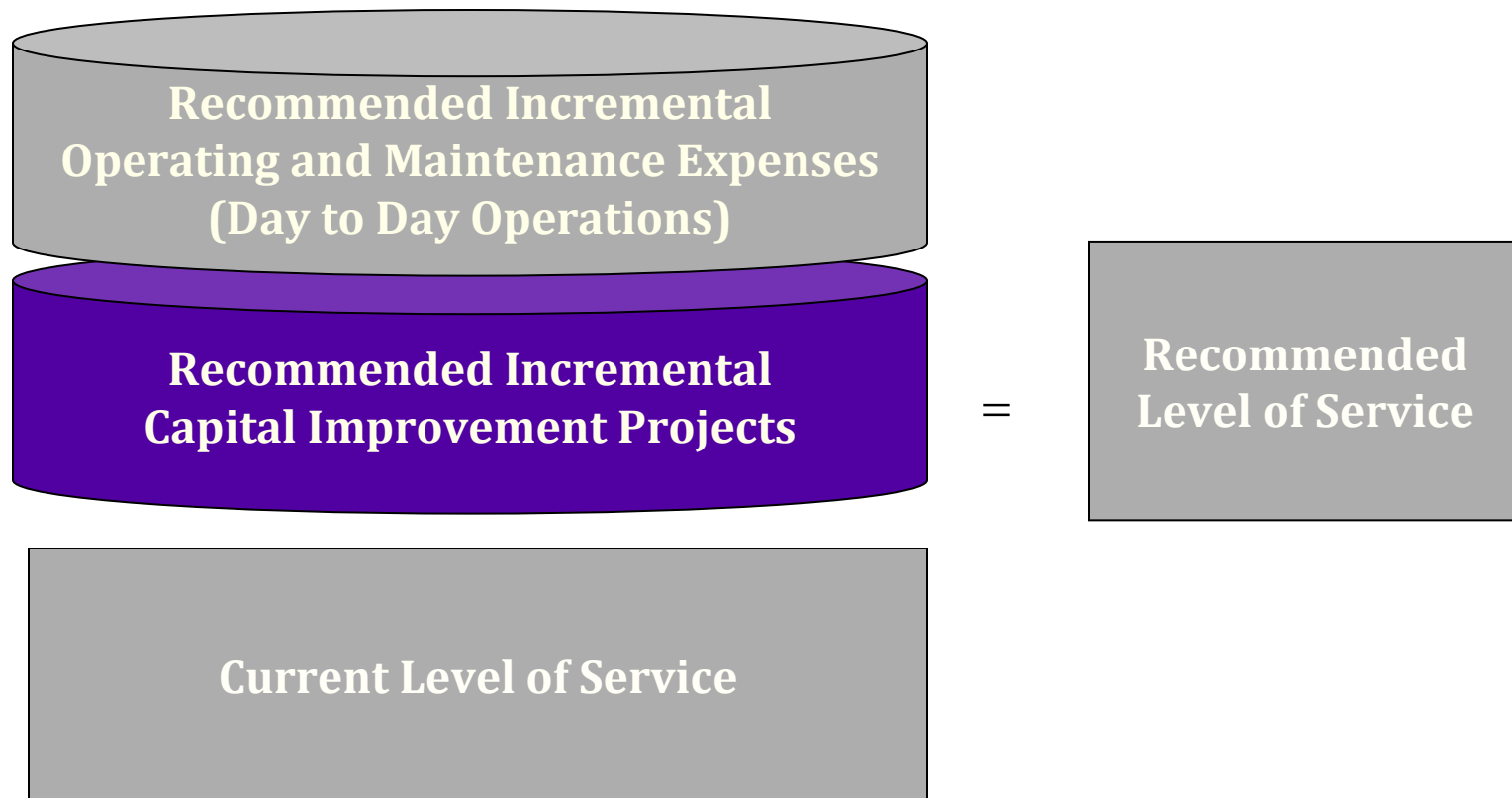
Maintenance Activity		Assets	Recommended	
			Assets Managed per Year	Maintenance Cycle (years)
Structure Maintenance	Catch Basin Cleaning	7,000	1,750	4
	Structure Repair	7,000	70	100
	Structure Replacement	7,000	35	200
	Lid Replacement	7,000	70	100
Storm Sewer	Cleaning	128 miles	27	5
	TV Inspection	128 miles	27	5
Street Sweeping	Sweeping - Curb & Gutter	80 miles	80	15 x*
	Sweeping - Curb & Gutter CBD	20 miles	20	40 x*
	Sweeping - Rural Section	50 miles	50	3 x*
Stream Maintenance	Initial Maintenance	12 miles	4	3
	Inspection	12 miles	12	1
	Routine Maintenance	12 miles	4	3

x*- represents times per 1 year

Recommended Operating & Maintenance Expenses



Recommended Level of Service

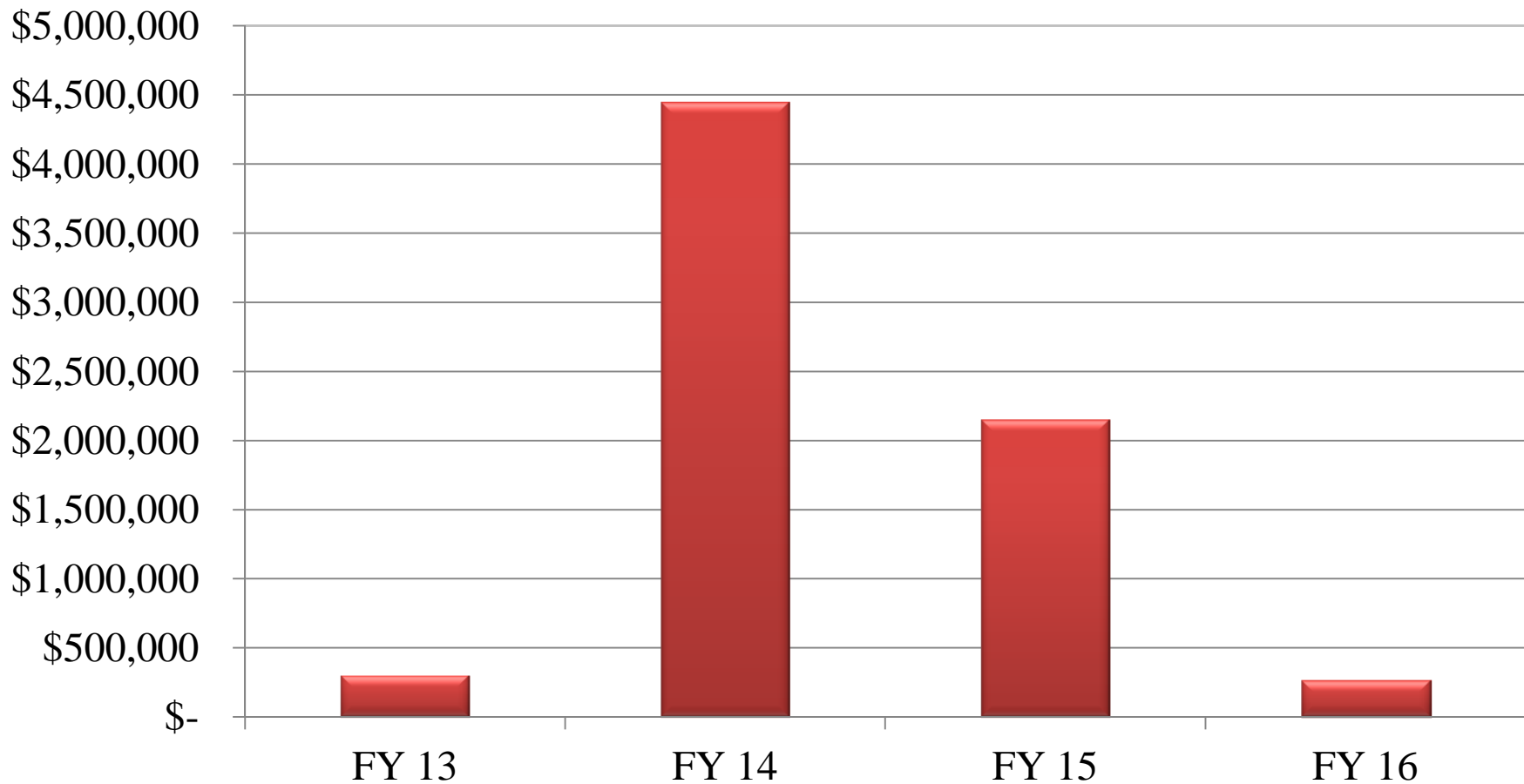


Recommended Capital Replacement

- Current Storm Main Replacement Spending - \$500k / year
 - At current funding level - system replaced over 220 years
 - 11% of storm mains have a vintage of 80 years or more
- Recommended Capital Replacement - \$1 million / year
 - Address assets that have already exceeded useful life
 - Put system on 100 year replacement cycle

Recommended Capital Improvements

Watershed Improvements

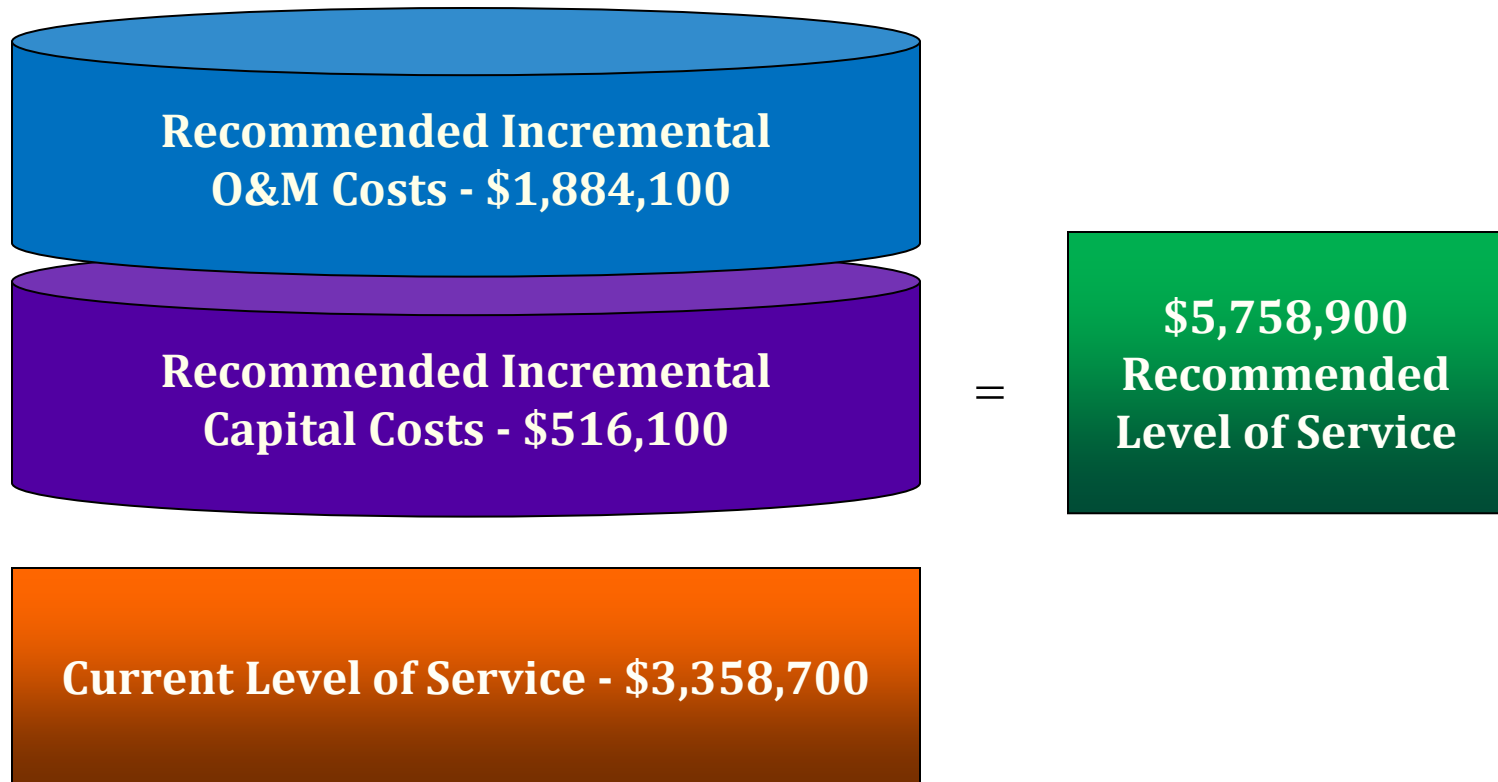


Watershed Improvements Funding

<i>(millions)</i>	FY 13	FY 14	FY 15	FY 16
Watershed Improvements	\$0.30	\$4.45	\$2.15	\$0.27
Existing Bond Proceeds	\$0.30	-	-	-
<i>New Bonds*</i>	-	<i>\$4.45</i>	<i>\$2.15</i>	<i>\$0.27</i>

*Assumed additional bond funding required in the 2014 to 2015 time frame.

Recommended Level of Service - FY 13



Recommended Level of Service – FY 13



Operating and Maintenance
\$0.62

**Capital
Maintenance &
Replacement**
\$0.19

**Existing Debt
Service**
\$0.20

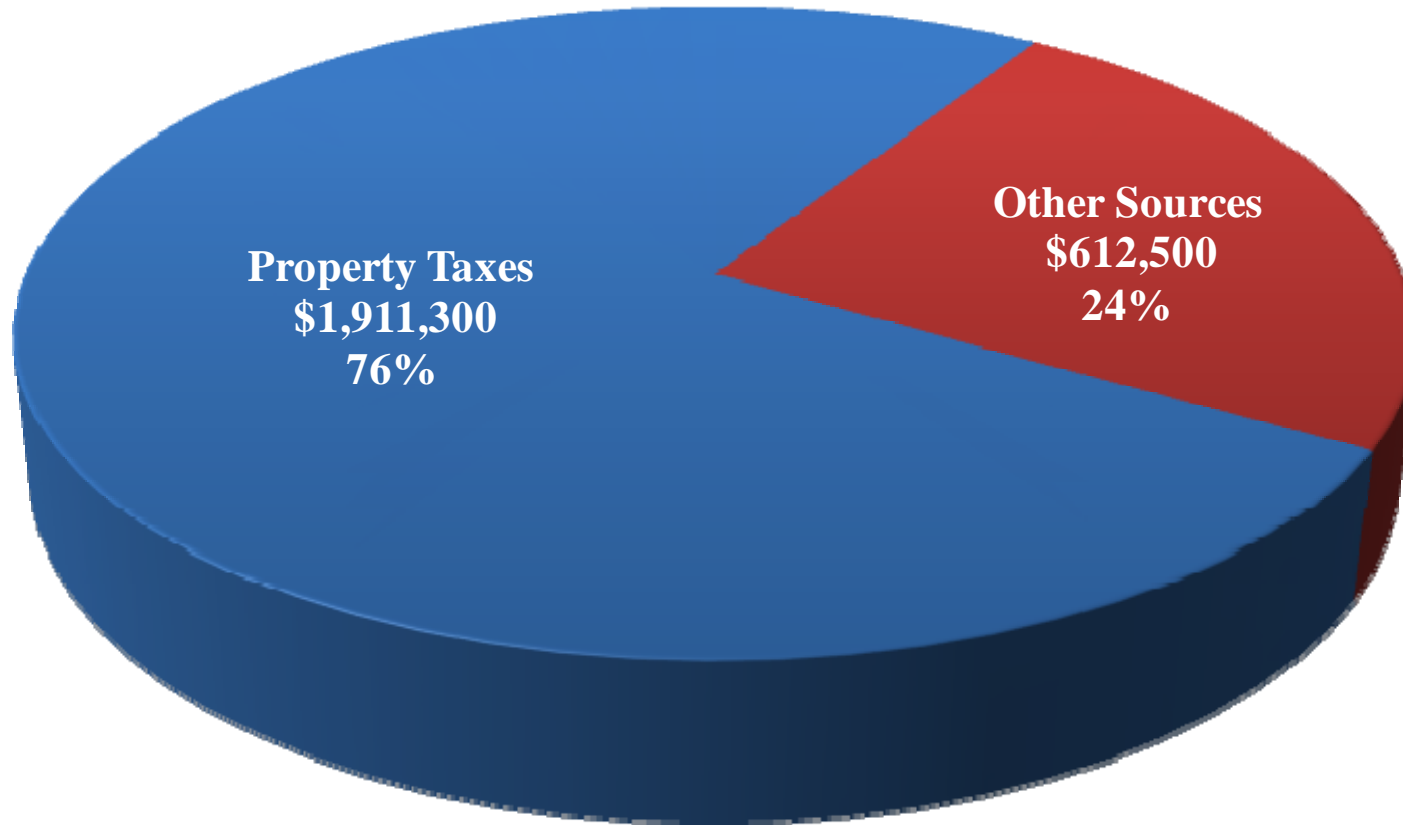
Recommended Level of Service

	FY 13	FY 14	FY 15	FY 16	FY 17
Current Level of Service	\$3,358,700	\$3,658,200	\$4,105,400	\$4,695,800	\$4,042,600
Recommended Incremental O&M	\$1,884,100	\$1,886,700	\$1,940,000	\$1,994,800	\$2,051,200
Recommended Incremental Capital	\$516,100	\$516,100	\$969,600	\$969,600	\$1,007,700
Total	\$5,758,900	\$6,061,000	\$7,015,000	\$7,660,200	\$7,101,500

Revenues and Funding Gap

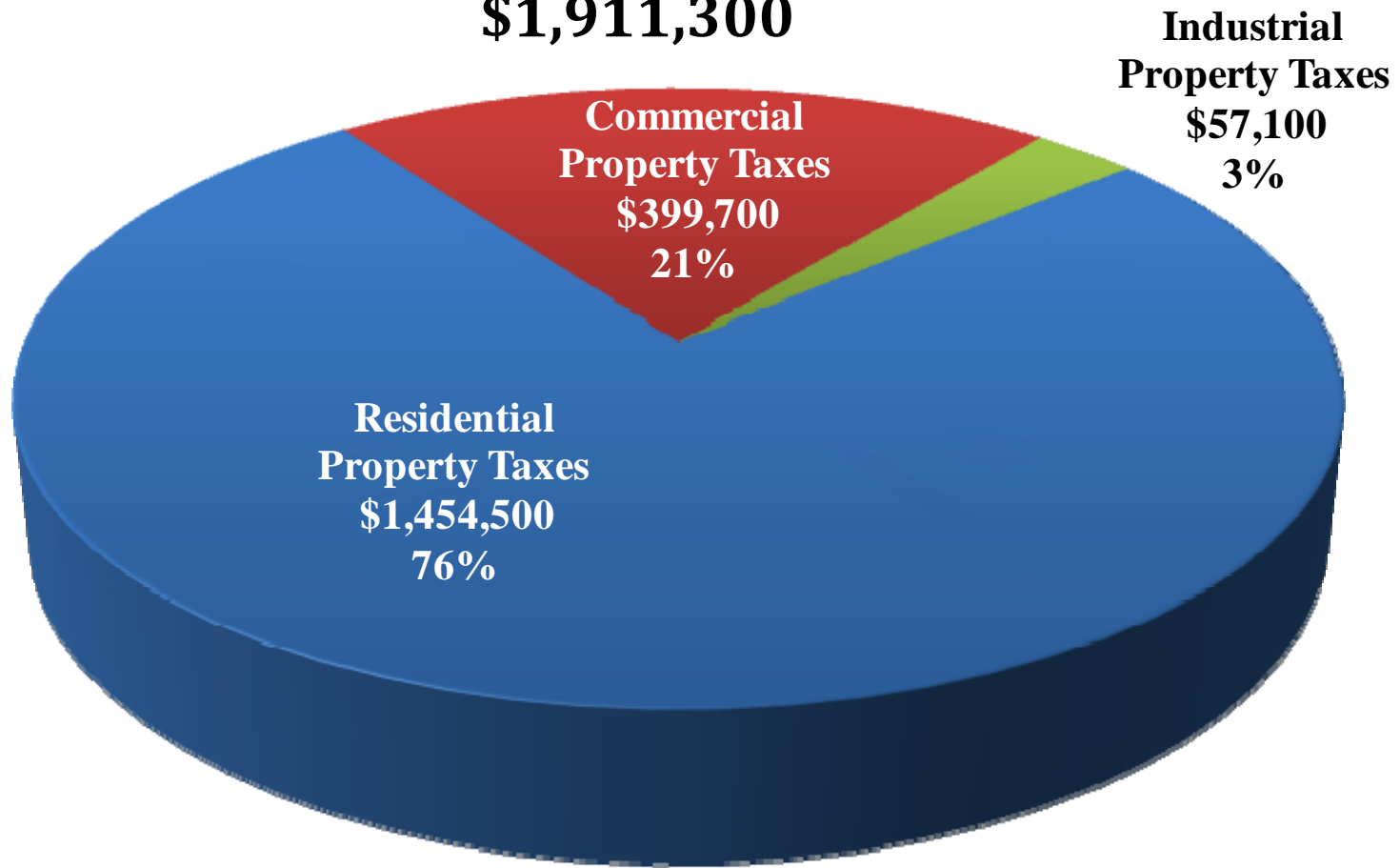
Total Current Revenues

Total Current Revenues: FY 13 - \$2,523,800



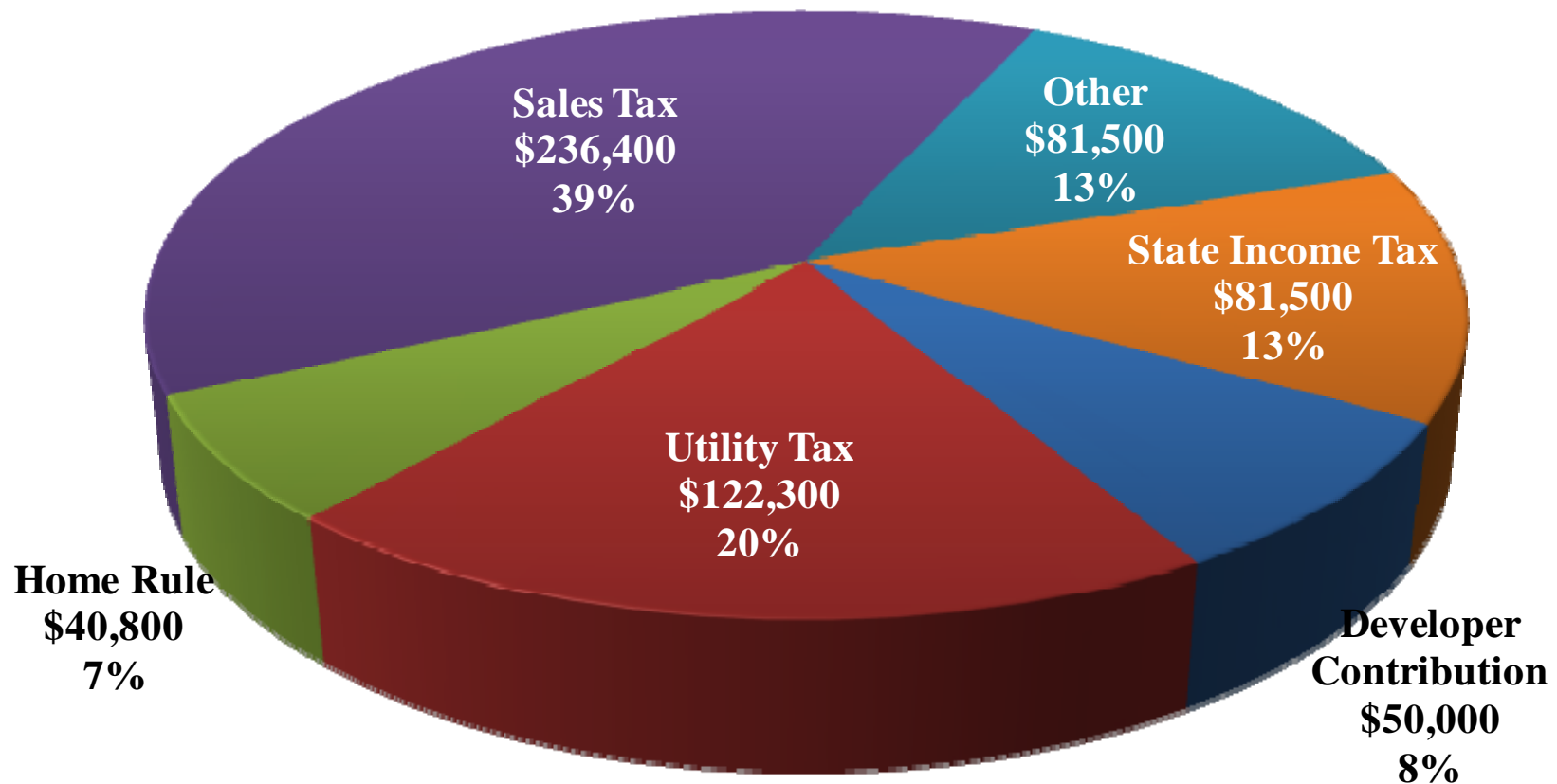
Current Revenues – Property Taxes

**Total Property Tax Revenues: FY 13 -
\$1,911,300**



Current Revenues – Other Sources

Total Revenues Other Sources: FY 13 - \$612,500



Funding Gap Analysis

	FY 13	FY 14	FY 15	FY 16	FY 17
Total Current Revenues	\$2,523,800	\$2,550,100	\$2,580,900	\$2,611,300	\$2,642,200
Current Level of Service	\$3,358,700	\$3,658,200	\$4,105,400	\$4,695,800	\$4,042,600
Funding Gap	(\$834,900)	(\$1,108,100)	(\$1,524,500)	(\$2,084,500)	(\$1,400,400)
Recommended Level of Service	\$5,758,900	\$6,061,100	\$7,015,000	\$7,660,200	\$7,101,500
Funding Gap	(\$3,235,100)	(\$3,511,000)	(\$4,434,100)	(\$5,048,900)	(\$4,459,300)

Magnitude of Fee and Benchmarking

Magnitude of Fee Estimate

Monthly Stormwater Fee	FY 13	FY 14	FY 15	FY 16
Fee to Replace Existing Revenues	\$5.60	\$5.70	\$5.70	\$5.80
Fee to Fund Current Level of Service	\$7.50	\$8.15	\$9.10	\$10.40
Fee to Fund Recommended Level of Service	\$12.80	\$13.50	\$15.60	\$17.00

Benchmarking – Illinois Communities

Locality	Established	Population	Annual Stormwater Fee Revenues	Utility Funding
Aurora	1998	197,899	\$3,000,000	SW Fee and Other
Bloomington	2004	76,610	\$2,760,000	Stormwater Fee
Champaign	2011	81,000	\$3,200,000	SW Fee and Other
East Moline	2009	21,302	\$350,000	Stormwater Fee
Freeport	2004	25,638	\$600,000	Stormwater Fee
Highland Park	2006	31,365	\$1,000,000	Stormwater Fee
Moline	2000	43,483	\$1,800,000	Stormwater Fee
Morton	2005	16,600	\$900,000	Stormwater Fee
Normal	2006	52,497	\$1,730,000	Stormwater Fee
O'Fallon	2008	28,281	\$812,000	SW Fee and Other
Rantoul	2001	13,700	\$550,000	Stormwater Fee
Richton	2008	13,646	\$500,000	SW Fee and Other
Rock Island	2002	39,018	\$1,600,000	SW Fee and Other
Rolling Meadows	2001	23,300	\$560,000	SW Fee and Other
Tinley Park	1996	56,703	\$475,000	SW Fee and Other

Questions / Discussion
