

12.05.17

**2017 SWAC  
Meeting #5**

# Current Inventory

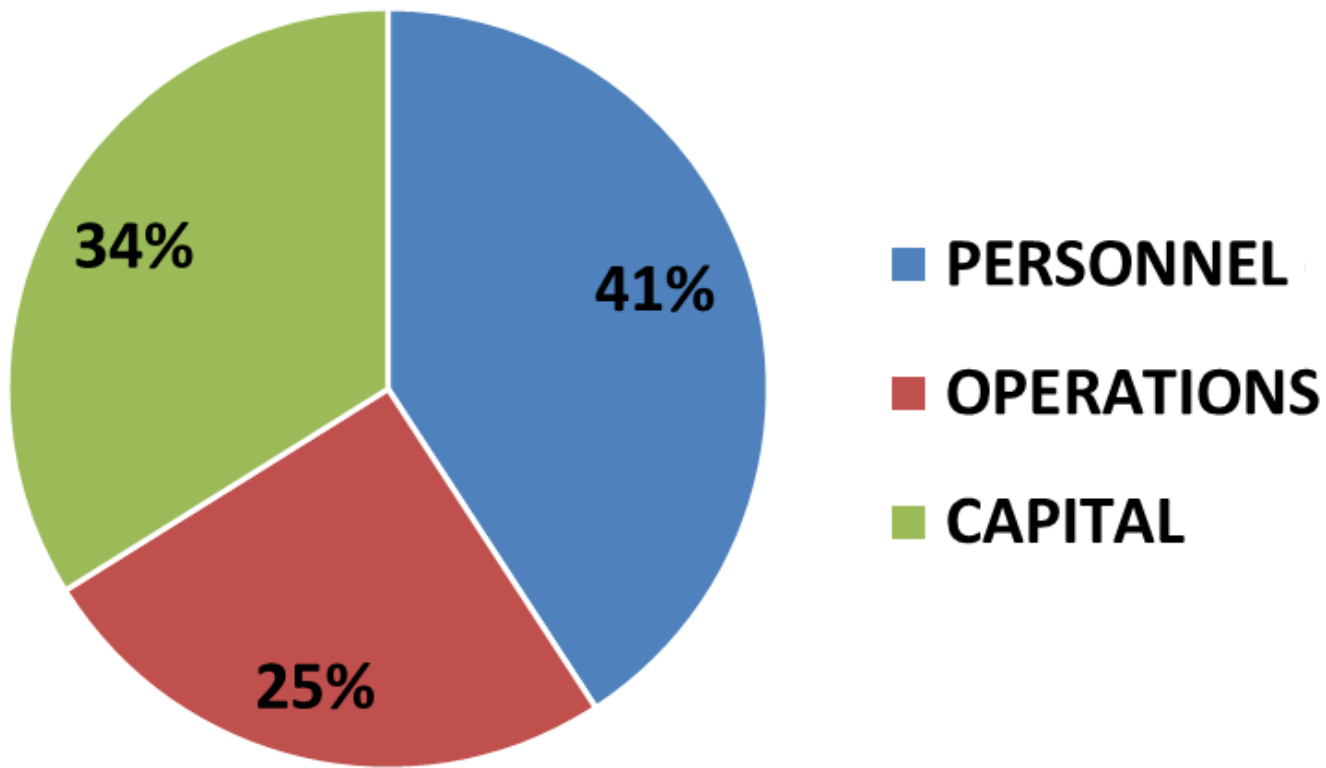
- 237 Miles of Pipe
- 17,000 Drainage Structures
- 97 Culverts
- 2,913 Outfalls
- 68 Miles of Open Channel

# Utility Rate

- \$5.35 per ERU
- ~98,500 ERUs within the city limits
- Projected revenue of \$6.3 M for FY 2018

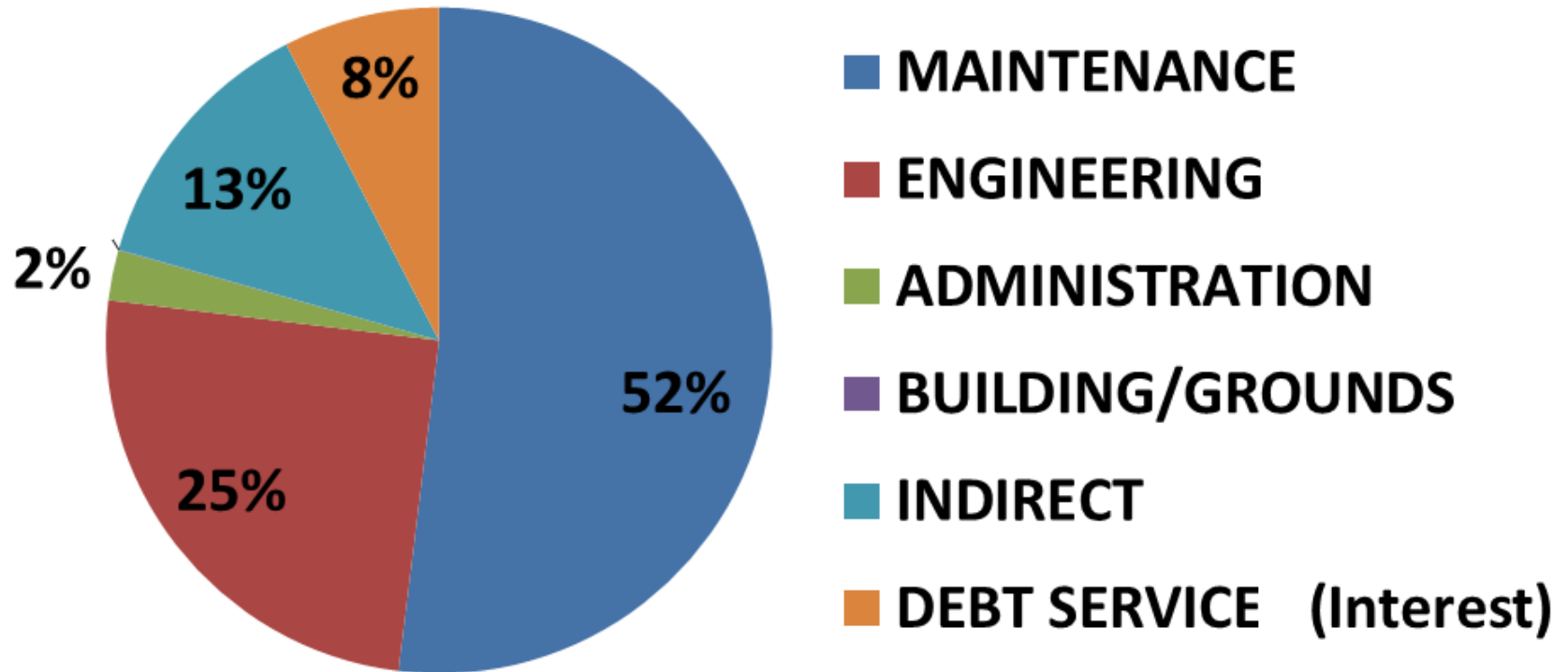
# STORMWATER UTILITY FUND

## FY11 - FY17 Average



# STORMWATER UTILITY FUND

FY11 - FY17 Average Personnel & Operational Expenses per Division



# Maintenance

## Open Channel

- Maintain Flow
- Inspect and Maintain Existing Streambank Projects
- Culvert Inspections

# Maintenance

## Closed System

- Pipe Cleaning
- Basin Cleaning
- System Repairs
- Street Sweeping

# Engineering

## Permit Requirements

- Public Education and Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping



# Engineering

## Capital Improvement Program

- Watershed Master Plans
- Infrastructure Projects
- Property Acquisition
- Streambank Stabilization Projects

## Manage Billing

- Policy/Procedures
- Credits

## Floodplain Management

# Eng. Administration

- Citizen Inquiries
- Personnel Management
- Day to Day Billing

# Building & Grounds

- Maintenance of City owned SCMs or BMPs

# Indirect Charges

- Legal
- Finance
- City Manager/HR

# Interest on Debt Service

- Interest on debt of 2005 General Obligation Bond

# Capital Replacement Needs

**Total Life Cycle Cost** **\$ 230M**

- 237 miles of pipe \$ 219M
- 17,000 structures \$ 51M
- Less secondary projects \$ -40M

**Timeline** **40 years**

# Capital Improvement Needs

**Total Capital Imp. Costs**      **\$ 150-170M**

- Flood Control Primary      \$ 80-95M
- Flood Control Secondary      \$ 40M
- Streambank Stabilization      \$ 12.5M
- Water Quality      \$ 20.5M

**Timeline**      **25 years**

# Engineering Operational Needs

**TOTAL**

**\$658,000+ /YR**

- Inventory & Assessment \$188,000/yr
- New Infrastructure Insp. \$345,000/yr
- Asset Management \$123,000/yr
- Easement Acquisition \$TBD

# Maintenance Operational Needs

**Total Open Channel** **\$1,008,000**

- Maintain Flow \$575,000
- Tree Removal \$433,000

**Total Closed System** **\$786,000**

- Pipe Cleaning \$295,000
- Basin Cleaning \$157,000
- Street Sweeping \$334,000

# Summary of Needs

• Maintenance Costs	\$ 5.8 M
• Capital Costs	\$ 6.8 M
• Operational Costs (Eng)	\$ 1.2 M
• Operational Costs (Maint)	<u>\$ 2.9 M</u>
Annual Needs =	\$16.7 M/YR

Annual Utility Revenue = \$6.3M



# Utility Rate

- An \$16.7 M in revenue a year
- With ~98,500 ERUs within the City Limits
- Projected utility rate will be **\$14.13/ERU**
- 264% increase
- Tier II home will pay \$28.26/month

# Current Mission

- Extent of Service
- Level of Service
- New Infrastructure
- SCM Maintenance
- Development Regulations
- Capital Projects
- Revenue Structure