

# Stormwater Fee Study



April 15, 2026



# Agenda

- Introduction
- Stormwater Overview
- Study Overview
  - Revenue Sufficiency
  - Fee Structure
  - Collection Method
- Public Outreach



# Introduction: Stantec's Financial Services Team

600+  
Combined years of **experience**

1.5K+  
**Studies** in the last 10 years

350+  
Communities served

>600  
Utilities in our **benchmarking** database

\$6B+  
**Debt supported** in past five years

Selection of communities we have served,  
accounting for 25+% of the US population



**symbioscity**

PEOPLE + PLACE + PLANET

**symbiotic:** a mutually beneficial relationship

**city:** an urban habitat

**symbioscity:** a planning firm dedicated to maximizing mutually beneficial relationships and solutions for people, place, and planet



# Stormwater Overview

## Why Manage Stormwater?

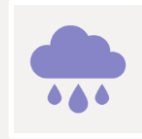
- Flood Control
  - Property Protection
  - Roadway Access
- Regulatory Requirements
  - Clean Water Act
  - NPDES MS4 Permit
- Water Quality
  - Total Maximum Daily Load
  - Improve Water Quality





# Stormwater Overview

## Our Responsibilities



Drainage System Operations, Maintenance, and Repair



Federal and State Regulatory Permit Compliance



Capital Improvement Program for Flood Control, Drainage, and Water Quality



# Stormwater Overview

## Stormwater System Challenges



Flood protection throughout the community

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Rehabilitation and replacement for aging infrastructure and equipment

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Significant capital projects for conveyance

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Create a sustainable and resilient stormwater system

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Ensure funding is stable and supports future debt issuance



# A Rate Study is a Series of Connected Investigations

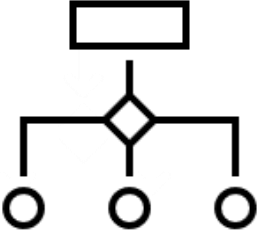
**How Much?**



**Revenue Sufficiency**

- Maintain policies & targets
- Fund system investment needs
- Achieve sustainable funding of operations

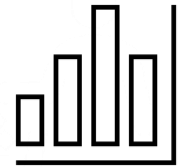
**From Whom?**



**Defensible Allocation Methods**

- Utilize industry accepted approaches
- Maintain inter and intra class proportionality
- Define correct and appropriate units of service

**How to Collect?**



**Simple & Sustainable Fees**

- Collect revenue proportional to services provided
- Balance affordability and financial objectives
- Accomplish revenue stability



# Typical Components of Utility Revenue Requirements





# Example FAMS Model

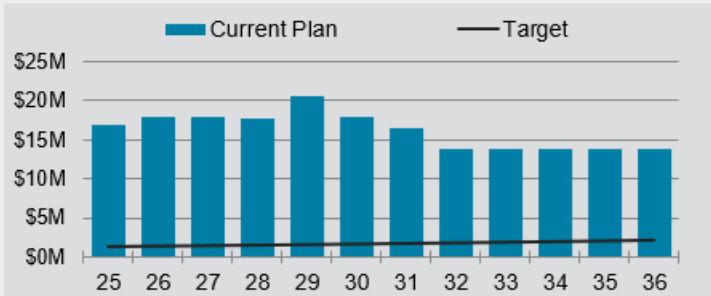
FAMS-XL

HALLANDALE BEACH, FL

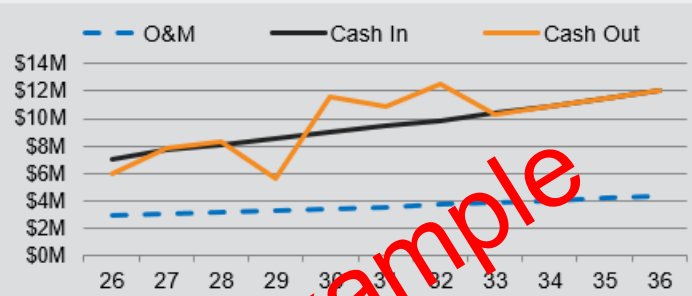


CALC SAVE CTRL LAST OVR

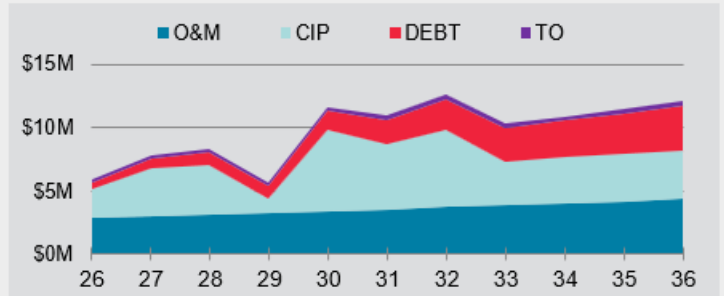
### Operating Fund



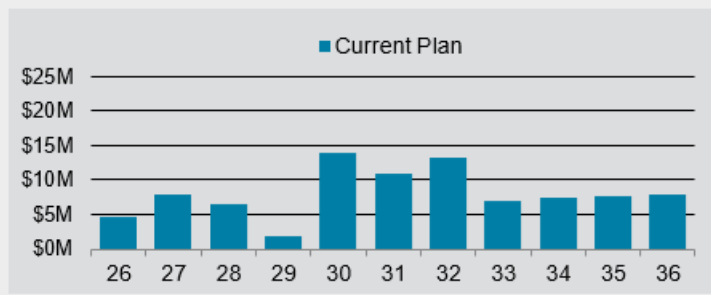
### Revenues vs. Expenses



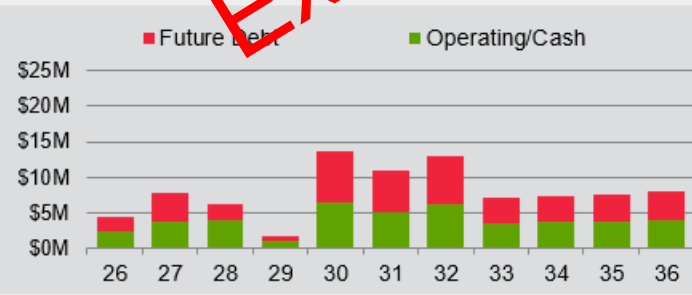
### Expenses by Type



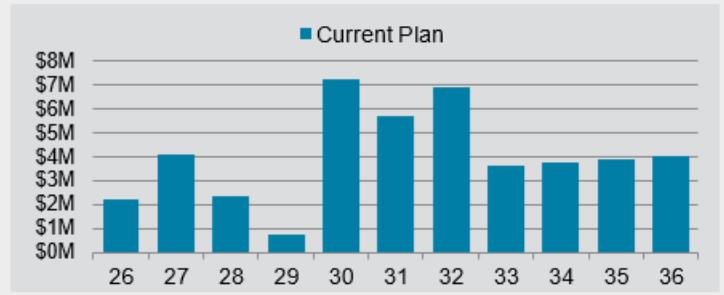
### CIP Spending



### CIP Funding



### Borrowing

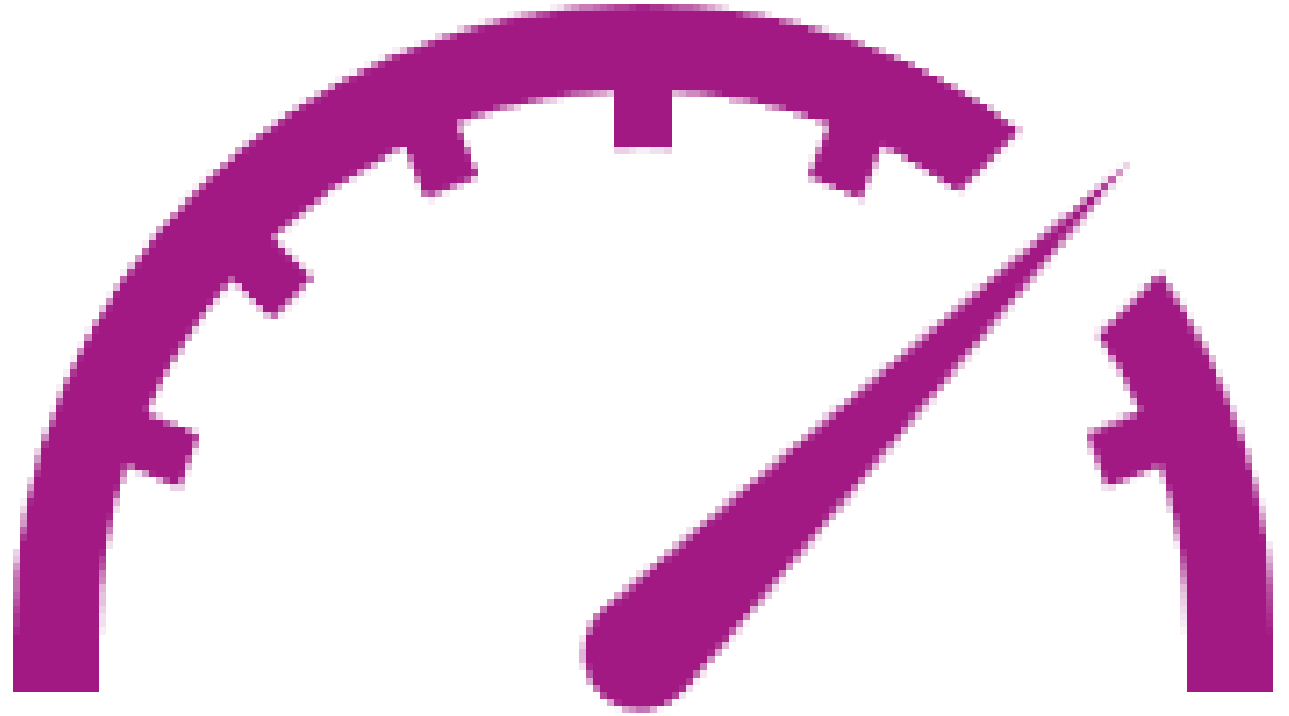


Example



## Items that Move the Needle

- Capital investment needs
- Operating cost pressures
- Regulatory compliance
- Debt vs cash funding





# Stormwater Fee Language

## Customer Class:

Defines the type of property

## Equivalent Residential Unit (ERU):

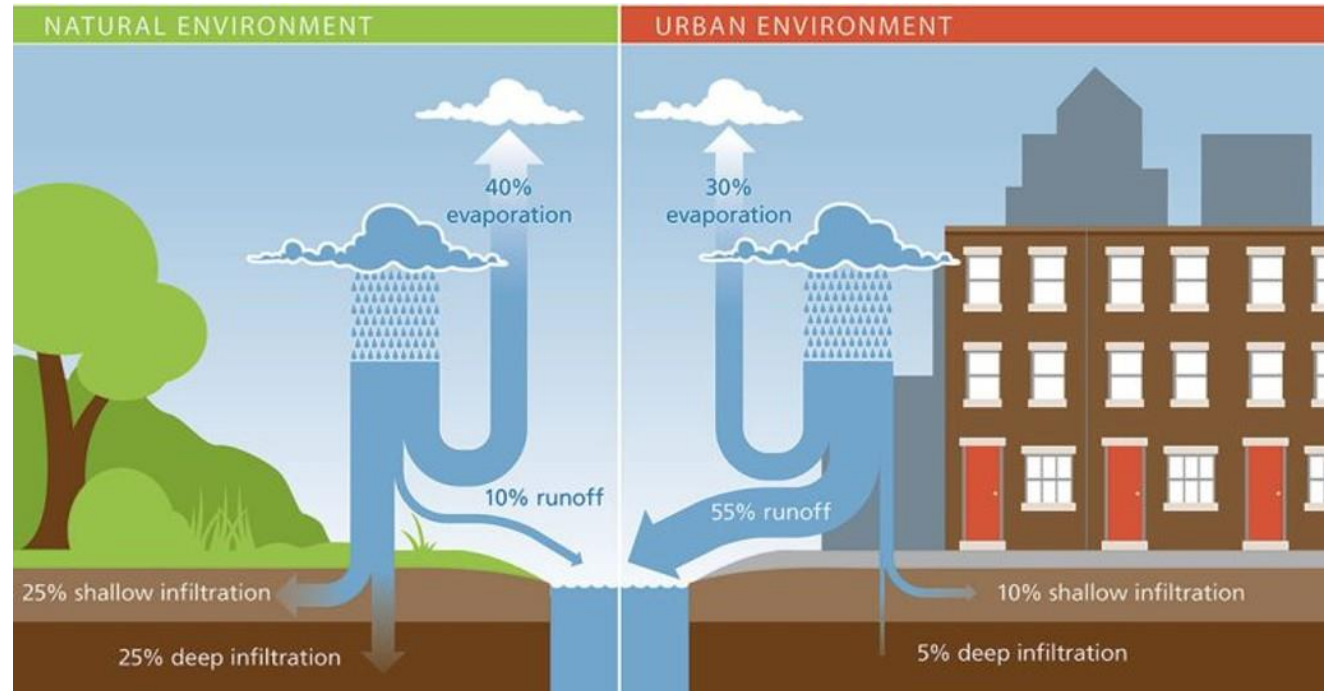
Average impervious area of a typical single-family property

## Impervious:

Surfaces that do not allow water to infiltrate and therefore create runoff

## Impervious Factor:

Multiplier used to calculate the stormwater fee for non-residential properties





# Current Stormwater Fees



| Customer Class  | Fee Application   | Fee     |
|-----------------|-------------------|---------|
| Residential     | Per Dwelling Unit | \$10.79 |
| Non-Residential | Per ERU*          | Varies  |

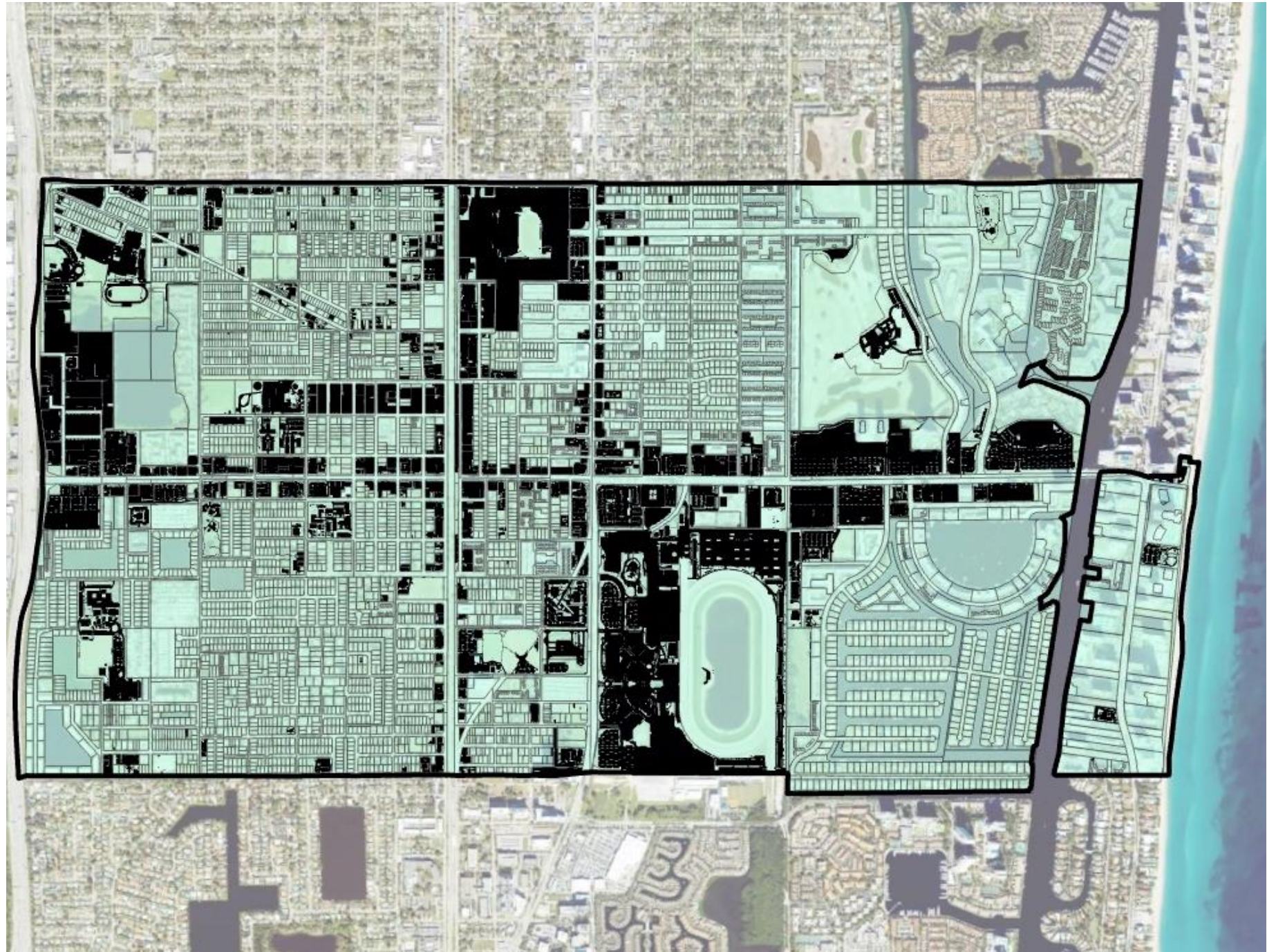
| Non-Residential*         | Impervious Factor |
|--------------------------|-------------------|
| Commercial (B-O)         | 0.80              |
| Commercial               | 0.85              |
| Industrial               | 0.85              |
| Commercial Recreational  | 0.25              |
| Public and Institutional | 0.75              |

\*Nonresidential properties are calculated as follows: ERU rate x Total area of property (Acres) x Impervious Factor ERU



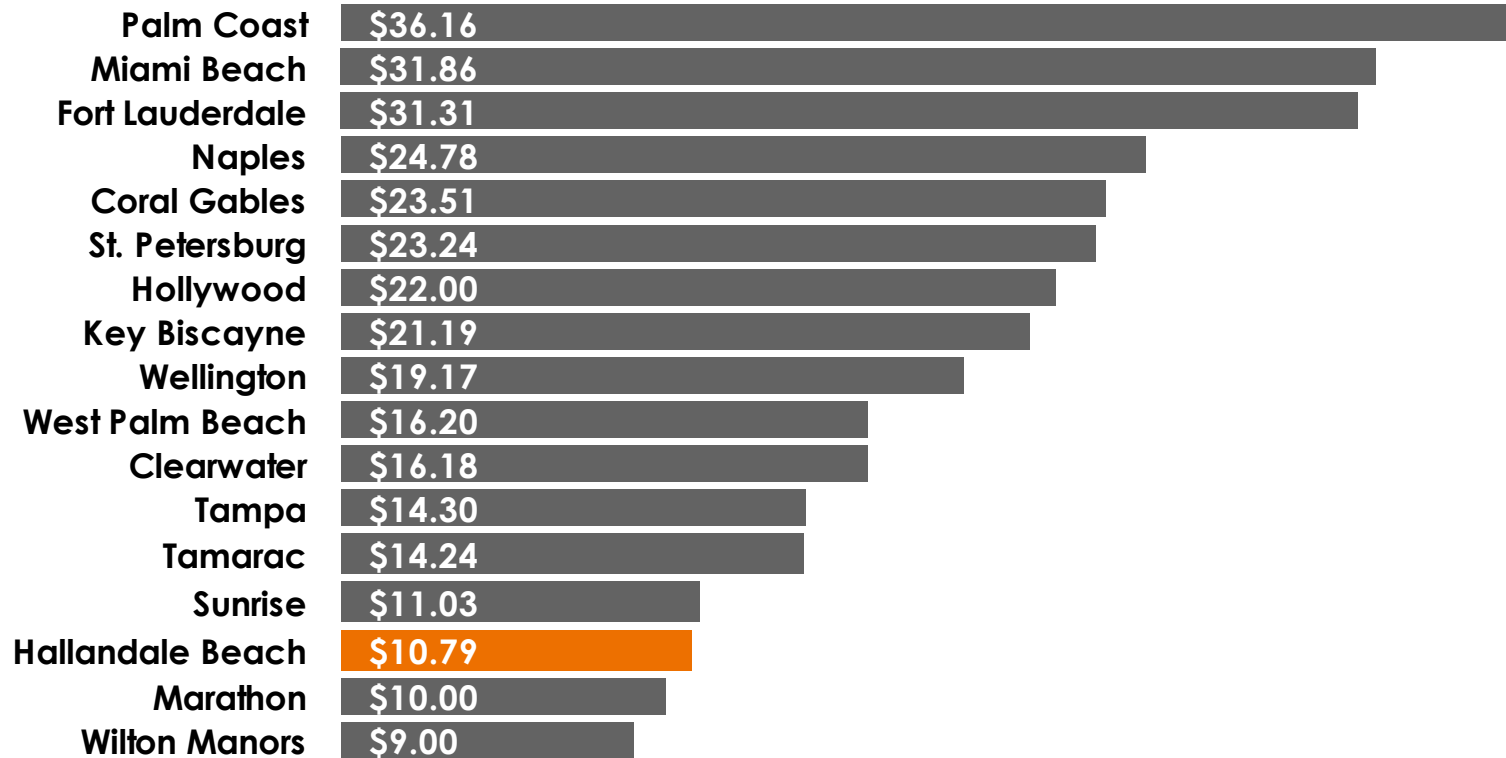
# Units of Service

- Impervious area is the gold standard for measuring system use
- The City has acquired non-single family impervious area, to be incorporated in this study





# Stormwater Peer Survey (Single Family Bill)

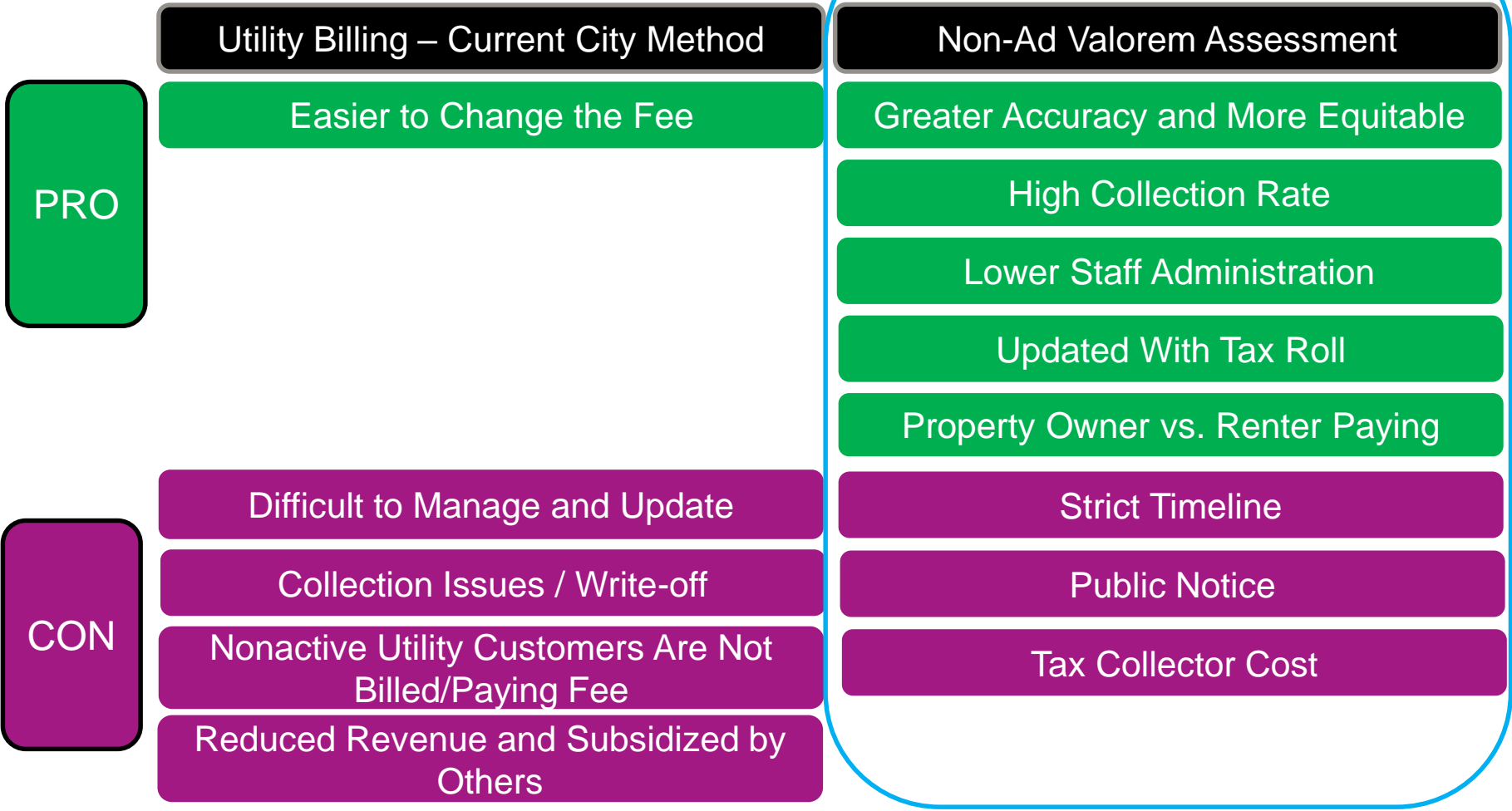


\*FY 2026 Stormwater Rates for Residential, Single-Family Homes



# Collection Methods

Recommended





# Community Outreach



## Clearly communicate:

- The importance of the stormwater fee
- What's changing and why
- What customers can expect

## Strategies:

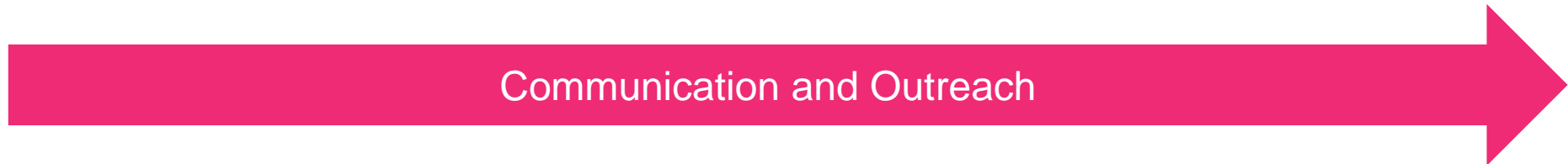
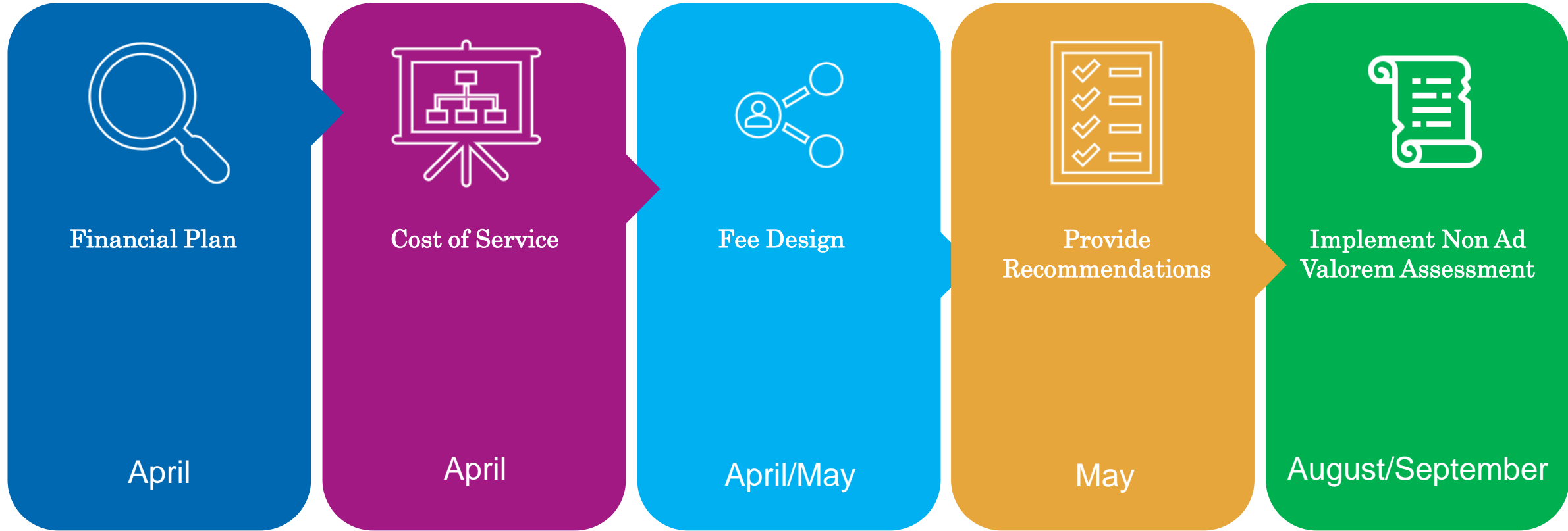
- Key customer meetings
- Community open house
- Water bill inserts
- Social media updates

## Goals:

- Increase awareness
- Transparency
- Proactive communication



# Project Schedule



**Thank you**

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