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Stormwater Strategic Planning

Stakeholder Meeting #1

November 13, 2025

Objective

Why You Are Here Today

Establish a foundation for the Strategic Planning effort, and begin developing a direction for the future Stormwater Program

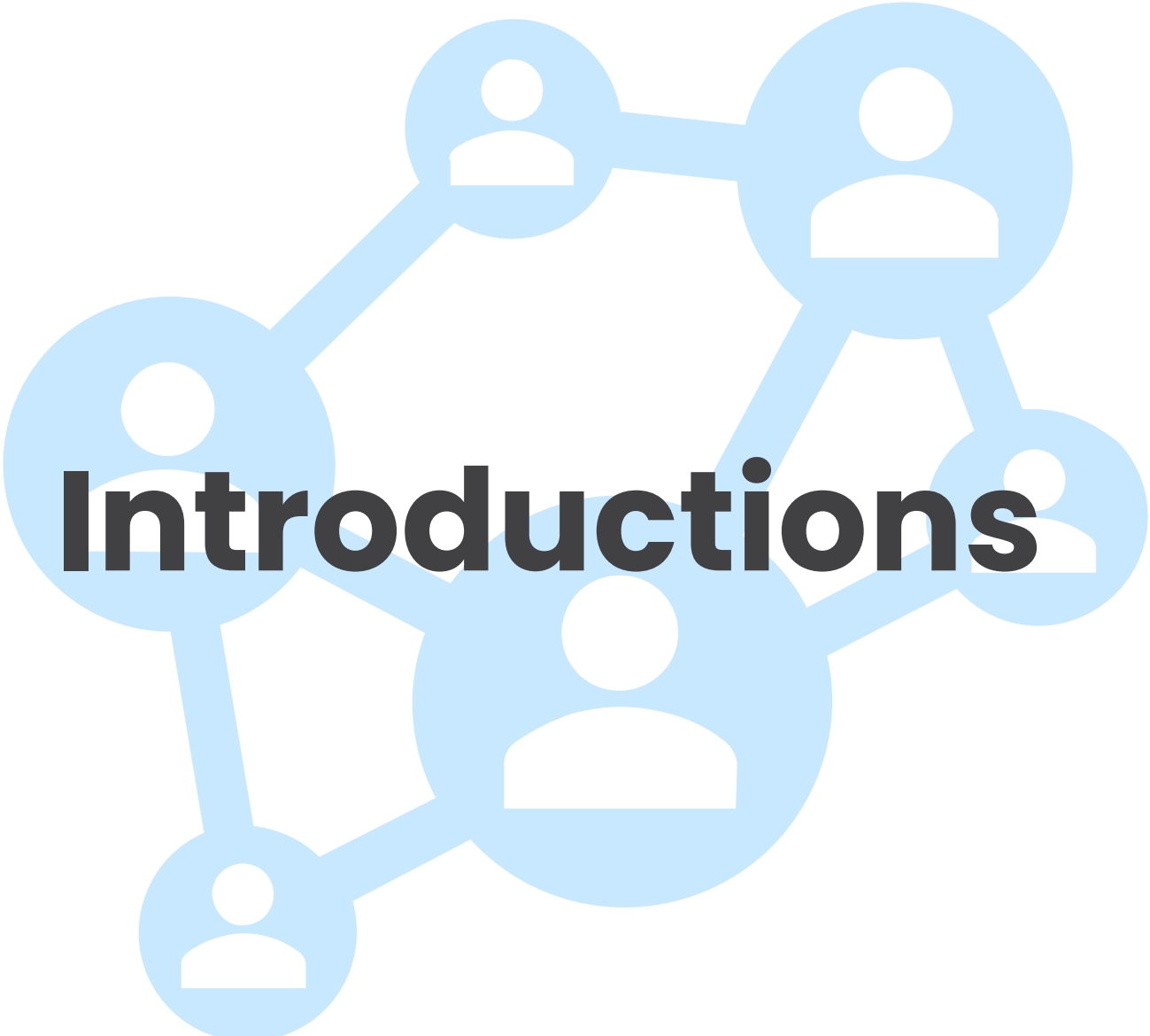
Stakeholder Member Expectations

- Represent Stormwater Utility Rate Payers and the Fort Worth community, not just a specific special interest/location
- Listen and share thoughts and feedback

Agenda

| Topic | Time (min) |
|--|------------|
| Opening Remarks | 10 |
| Introductions | 10 |
| Strategic Plan Overview | 5 |
| Characterization of Current Stormwater Program | 10 |
| Current Level of Service Outcomes | 30 |
| Break | 5 |
| Summary of Feedback Received to Date | 10 |
| Preliminary Future Direction | 25 |
| Stakeholder Comments and Discussion | 10 |
| Next Steps | 5 |





Introductions

Strategic Planning Team

City of Fort Worth Staff

- Jennifer Dyke, Assistant Director, TPW
- Lane Zarate, Assistant Director, TPW
- Stephen Nichols, Stormwater Program Manager
- Kiran Konduru, Engineering Manager
- Shweta Rao, Engineering Manager
- Lisa Ann Biggs, Engineering Manager/Floodplain Administrator
- Annie Anand, Business Process Manager
- Linda Sterne, Communications Specialist
- Hope Kent, Sr. Administrative Services Manager

Freese & Nichols, Inc.

- Matthew Giglio, Project Manager
- Chris Johnson, Senior Advisor
- Payton Reeves, EIT



Strategic Plan Overview

Purpose

The **Stormwater Strategic Plan** will:

- Align the Stormwater Program's mission with City Council Strategic Goals and community priorities
- Optimize use of existing resources
- Identify and plan for future resource needs

Background

How did this come to be?

- 20-year-old program
- What have we learned?
- What do the next 20 years look like?
- How will the program's priorities change?



Scope

1. Determine Planning Drivers and Constraints
2. Stormwater Program Direction
3. Evaluate Resource Strategy
4. Identify Program Optimization & Enhancement Opportunities
5. Implementation Roadmap



Stakeholder Meeting Schedule (Tentative)

Fall 2025 (Today)

- Current Level of Service & Future Direction

1st Half 2026

- Future Level of Service & Metric

2nd Half 2026

- Resource Strategy & Optimization

1st Half of 2027

- Next Steps & Roadmap

Public Feedback Opportunities

1. Surveys
2. Attendance at bond & strategic planning town halls in all Council Districts
 - Fall 2025
 - Spring 2026
3. Website



Stormwater Management Program
Our mission: Protect People and Property From Harmful Stormwater Runoff

Priority 1. ● Priority 2. ● Priority 3. ●

What are most concerning to you?

- Flooding of homes and businesses
- Hazardous roadway flooding
- Aging infrastructure such as underground drainage pipes
- The impact of growth and development
- Eroding engineered channels impacting adjacent infrastructure and flow of stormwater

Take the Survey!

FORT WORTH www.ConnectFW.com



Characterize Current Stormwater Program

Mission

Protect People and Property from Harmful Stormwater Runoff



- **Maintain** existing pipes and channels to function as designed



- **Improve** drainage and reduce erosion through construction of projects



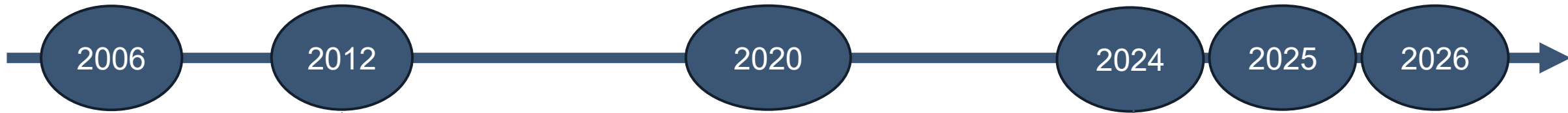
- **Warn** the public and property owners of flooding and erosion hazards



- **Review** development for compliance with City Stormwater standards

Vision

To be commonly recognized as an exceptionally effective and progressive municipal stormwater management program



Utility Fee Created

- 5-year Ramp Up
- Reactive Maintenance
- Limited Improvements

FY 20 Increase

- Hazardous Roadway Mitigation
- Pipe Rehabilitation
- Channel Restoration
- Lebow Flood Mitigation Phase
- Begin Project Development for 3 Large Flood Mitigation Projects

FY 24 Increase

- Fund Initial First Phase of 3 Large Flood Mitigation Projects
- Maintenance Service Level Improvements Phased Over 5 Years

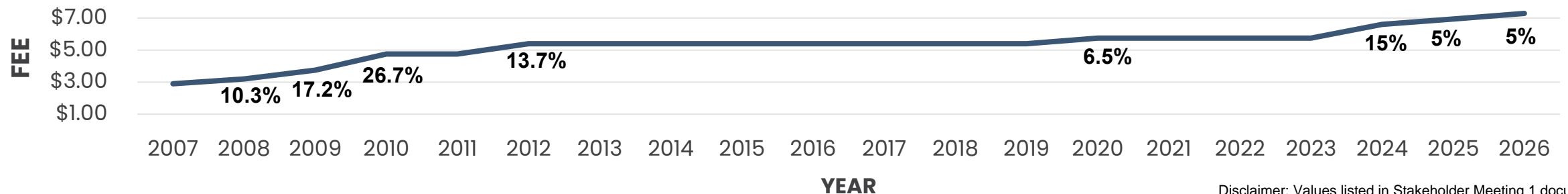
FY 25 Increase

- Storm Drain Rehab

FY 26 Increase

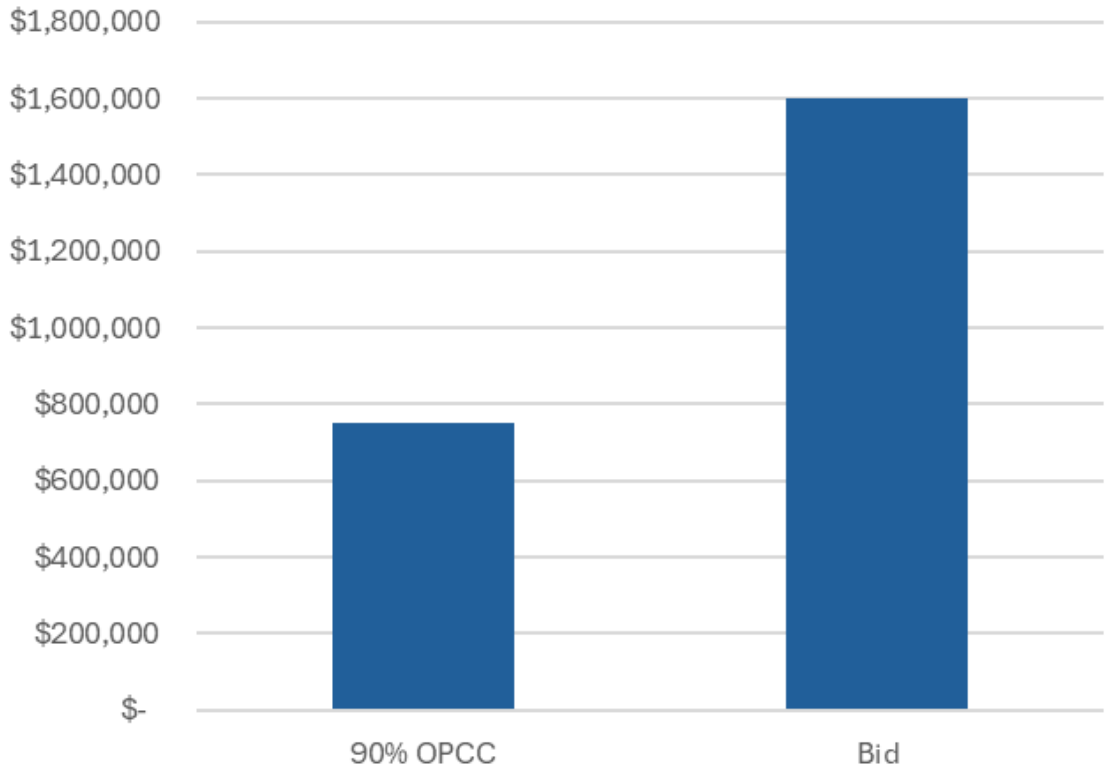
- Channel Restoration
- Heavy Equipment

SW Utility Fee

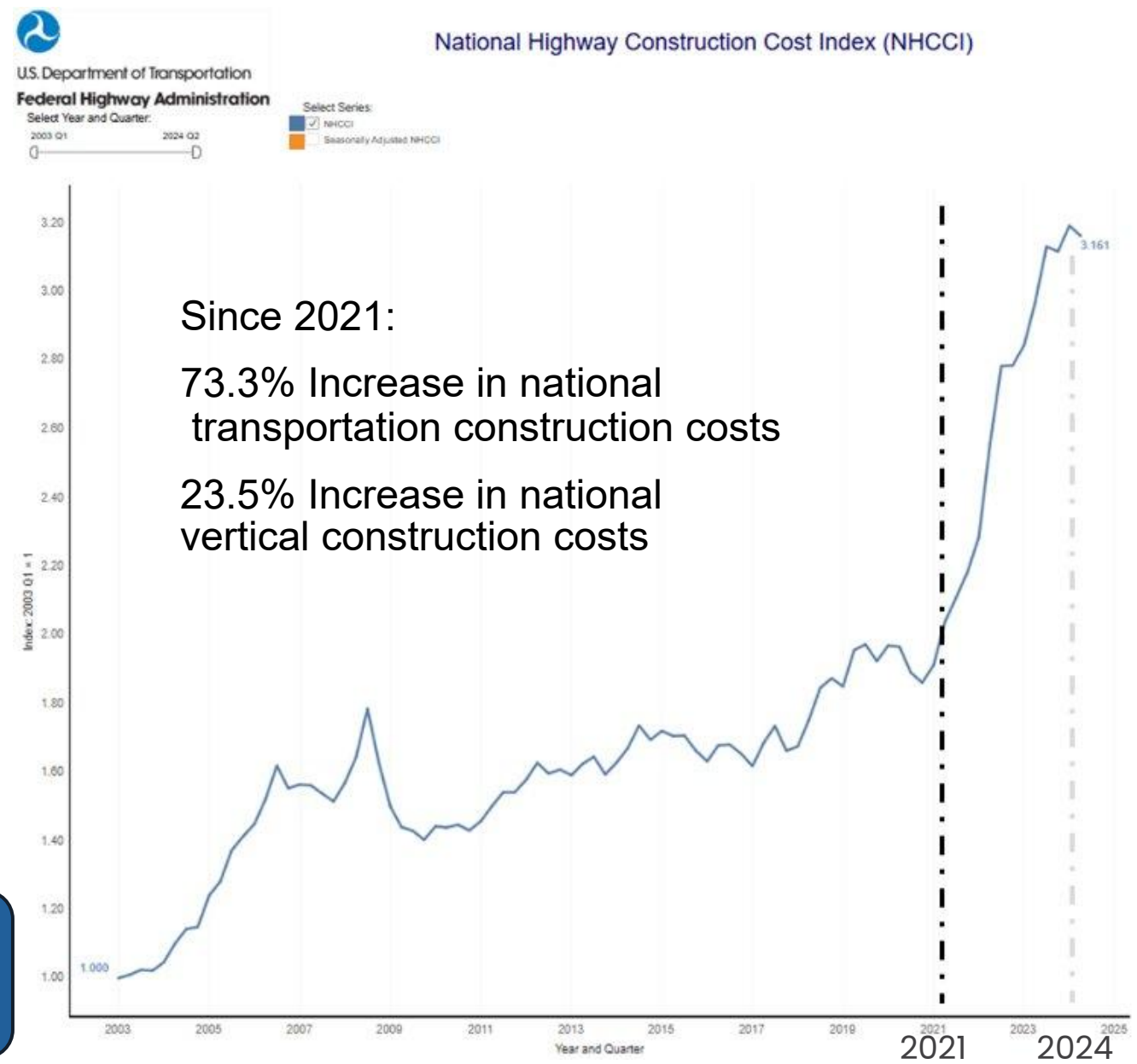


Disclaimer: Values listed in Stakeholder Meeting 1 documentation are as of November 13, 2025 and may have since been updated.

Trentman Street Bridge Costs



- Inflation
- Material & Labor Increases
- Supply Chain Issues
- Overall Supply & Demand



Utility Fee Rates

| Low Occupancy Billing Tier* | Billing Unit – Equivalent Residential Units (ERU) | Billing Basis | Monthly Rate Effective January 1, 2025 | Adopted Monthly Rate Effective January 1, 2026 |
|-----------------------------|---|----------------------------|--|--|
| Tier 1 | 0.5 ERU | Up to 1,300 square feet | \$3.47 | \$3.65 |
| Tier 2 | 1.0 ERU | 1,300 to 2,475 square feet | \$6.94 | \$7.29 |
| Tier 3 | 1.5 ERU | 2,476 to 3,393 square feet | \$10.41 | \$10.94 |
| Tier 4 | 2.0 ERU | 3,394+ square feet | \$13.88 | \$14.58 |

**Low Occupancy typically includes single family homes and duplexes*

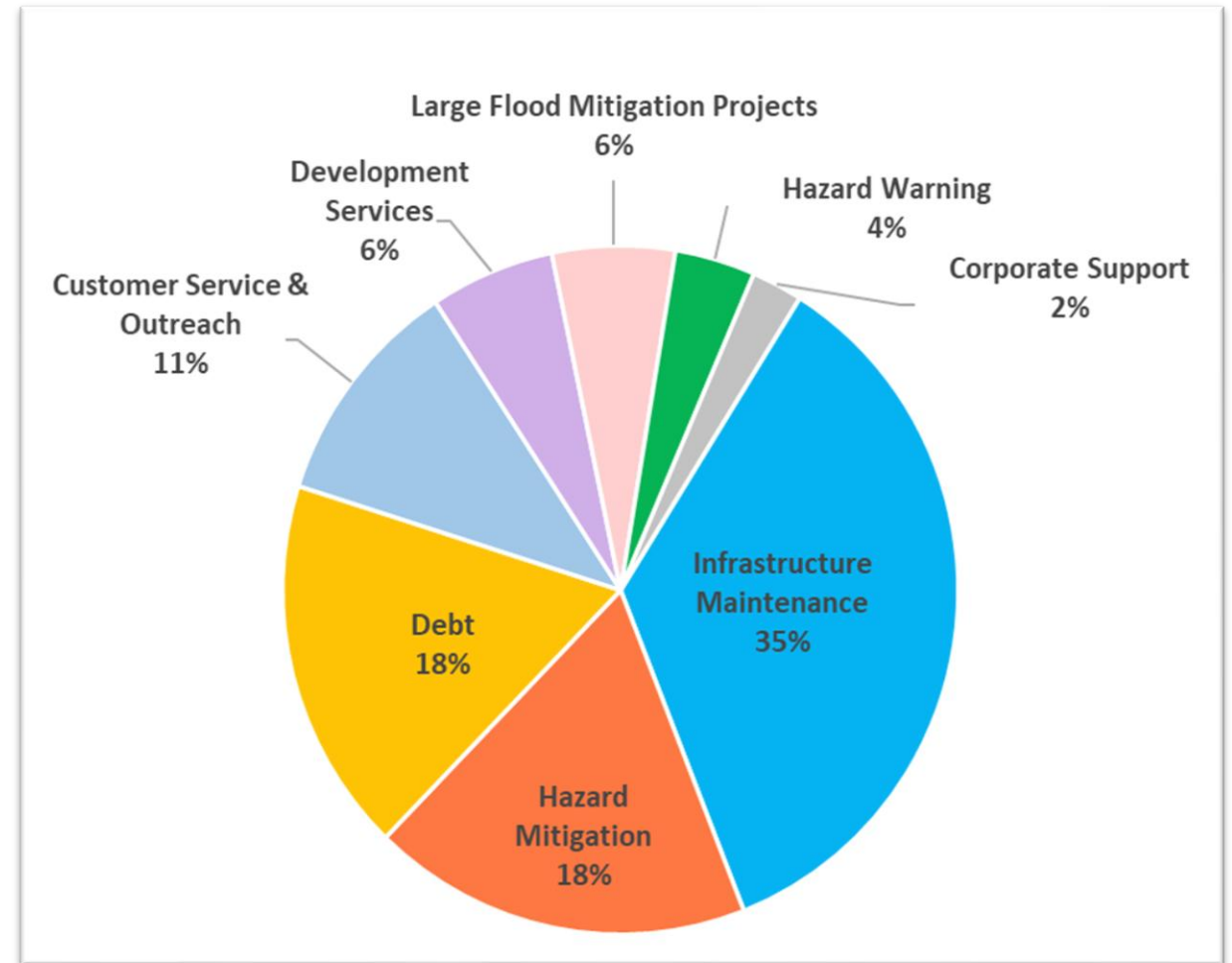
High Occupancy Residential/Non-Residential Property
 FY25 Fee = \$6.94/ERU
 FY26 Fee = \$7.29/ERU



Budget Breakout – FY26

- **140 Authorized Positions**
 - 10 in Stormwater Development Services in General Fund
 - 12 New
- Hazard Mitigation includes:
 - Minor Drainage Improvements
 - Hazardous Road Overtopping Mitigation (HROM)
 - Channel Restoration
 - Flooding Assessments
- Infrastructure Maintenance includes Storm Drain Rehab

Total Budget: \$69.6M





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Level of Service Outcome Statements

Current Program

Program-Wide Outcomes

- Percent discount for flood insurance premiums provided by going beyond minimum FEMA floodplain management practices
- Timeliness of responding to and closing out Customer Service Requests

How important is it to you that the City provides the following "Program-Wide" Outcomes?

Percent discount for flood insurance premiums provided by going beyond minimum FEMA floodplain management practices

Timeliness of responding to and closing out Customer Service Requests

Not Important at All

Extremely Important

Maintain Outcomes

- A percentage of City drainage infrastructure is kept accessible within City ROW/Easement/Property
- A percentage of the City's stormwater infrastructure is kept in fair or better condition and operates at the designed capacity
- Dams managed under the stormwater program are inspected in compliance with TCEQ requirements, and dam safety protocols are in place
- Frequency of inspection for city-maintained drainage and warning systems assets (pipes, channels, inlets, flashers)

How important is it to you that the City provides the following "Maintain" Outcomes?

City drainage infrastructure is kept accessible within City ROW/Easement/Property.

On average, the City's stormwater infrastructure is kept in fair or better condition and operates at the designed capacity.

Dams managed under the stormwater program are in compliance with TCEQ requirements, and dam safety protocols are in place.

Regularly inspect city-maintained drainage and warning system assets to ensure their condition is well-documented.

Not Important at All

Extremely important

Improve Outcomes

- Percentage of Hazardous Road Overtopping (HRO) sites made safer
- Percentage of the City's existing drainage infrastructure meets current City standards and design criteria
- Percentage of habitable structures protected from the 1% annual chance flood event
- Backlog (in years) based on level of annual capital investments
- Amount of drainage improvement projects constructed through partnership that would not have occurred otherwise

How important is it to you that the City provides the following "Improve" Outcomes?

Percentage of Hazardous Road Overtopping (HRO) sites made safer

Percentage of the City's existing drainage infrastructure meets current City standards and design criteria

Percentage of habitable structures protected from the 1% annual chance flood event

Backlog (in years) based on level of annual capital investments

Amount of drainage improvement projects constructed through partnership that would not have occurred otherwise

0 skips

Not important

Extremely important



Warn Outcomes

- Amount of flood risk notices sent to those within the FEMA-regulated floodplains, repetitive loss areas, or Fort Worth's City Flood Risk Areas (CFRAs)
- Publicly online flood risk mapping information made available 24/7 for residents and developers
- Percentage of warning flashers that are fully operational at all times and provide real-time data to an online platform
- Amount of hazardous road overtopping (HRO) locations with flood warning devices
- Number of ways flood risk is communicated to residents

How important is it to you that the City provides the following "Warn" Outcomes?

Amount of flood risk notices sent to those within the FEMA-regulated floodplains, repetitive loss areas, or Fort Worth's City Flood Risk Areas (CFRA)

Provide publicly available online flood risk mapping information 24/7 for residents and developers

Percentage of warning flashers that are fully operational at all times and provide real-time data to an online platform

Amount of hazardous road overtopping (HRO) locations with flood warning devices

Number of ways flood risk is communicated to residents

Not Important at All

Extremely important



Review Outcomes

- Percentage of issued Floodplain Development and Grading permits investigated to verify compliance
- Percentage of identified potential floodplain violations that have been resolved
- Percentage of new structures reviewed to determine safety with respect to currently regulated 100-year flood risk areas (FEMA and CFRA)
- Amount of grading and drainage reviews completed within 10 business days per review cycle
- Amount of flood study and dual study reviews completed within 15 business days per review cycle
- Average number of review cycles for completing permits

How important is it to you that the City provides the following "Review" Outcomes?

Percentage of issued Floodplain Development and Grading permits investigated to verify compliance

Percentage of identified potential floodplain violations that have been resolved

Percentage of new structures reviewed to determine safety with respect to currently regulated 100-year flood risk areas (FEMA and CFRA)

0 skips

Amount of grading and drainage reviews completed within 10 business days per review cycle

Amount of flood study and dual study reviews completed within 15 business days per review cycle

Average number of review cycles for completing permits

Not Important at All

Extremely important



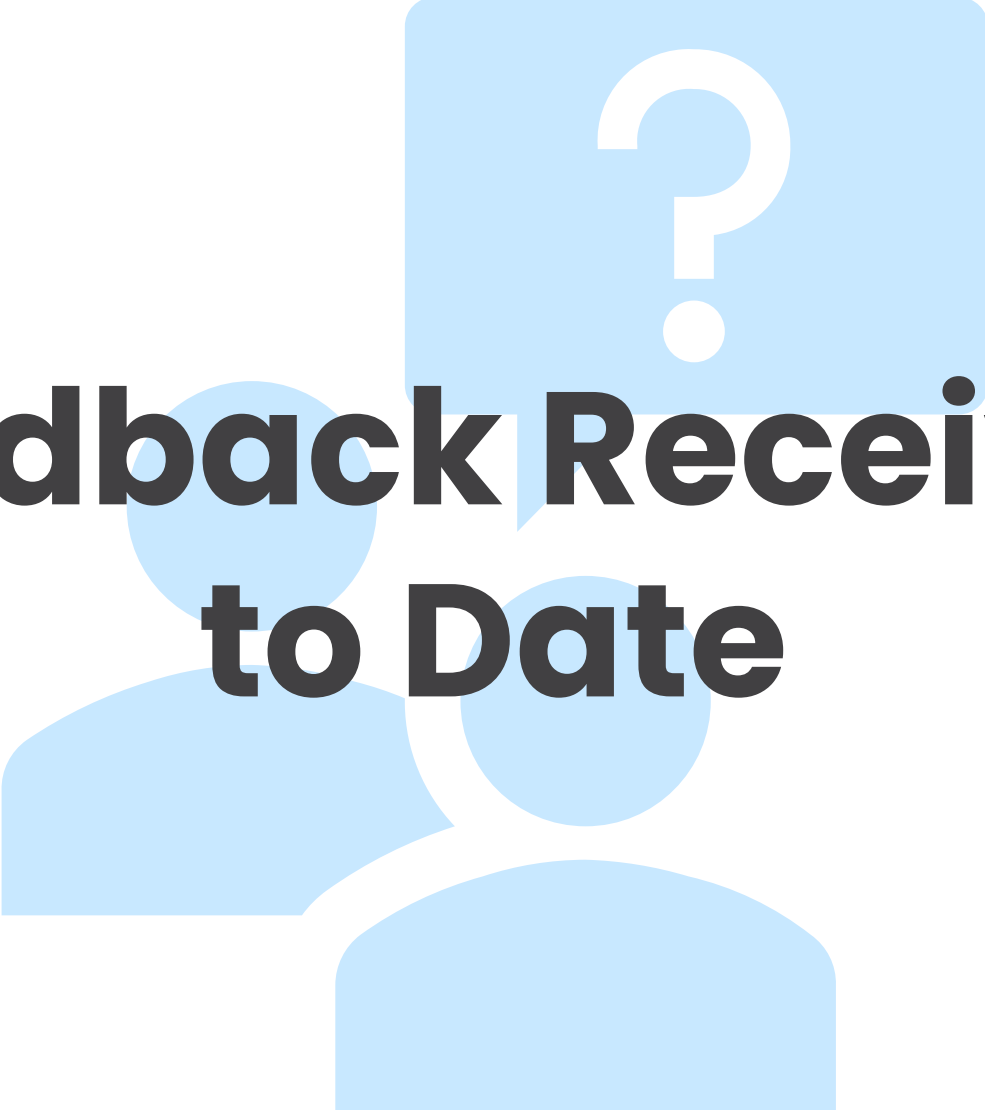
The previous statements convey what is important to me as a ratepayer.



Strongly disagree

Strongly agree

If not, what current service outcome(s) are missing that are important to you as a ratepayer?



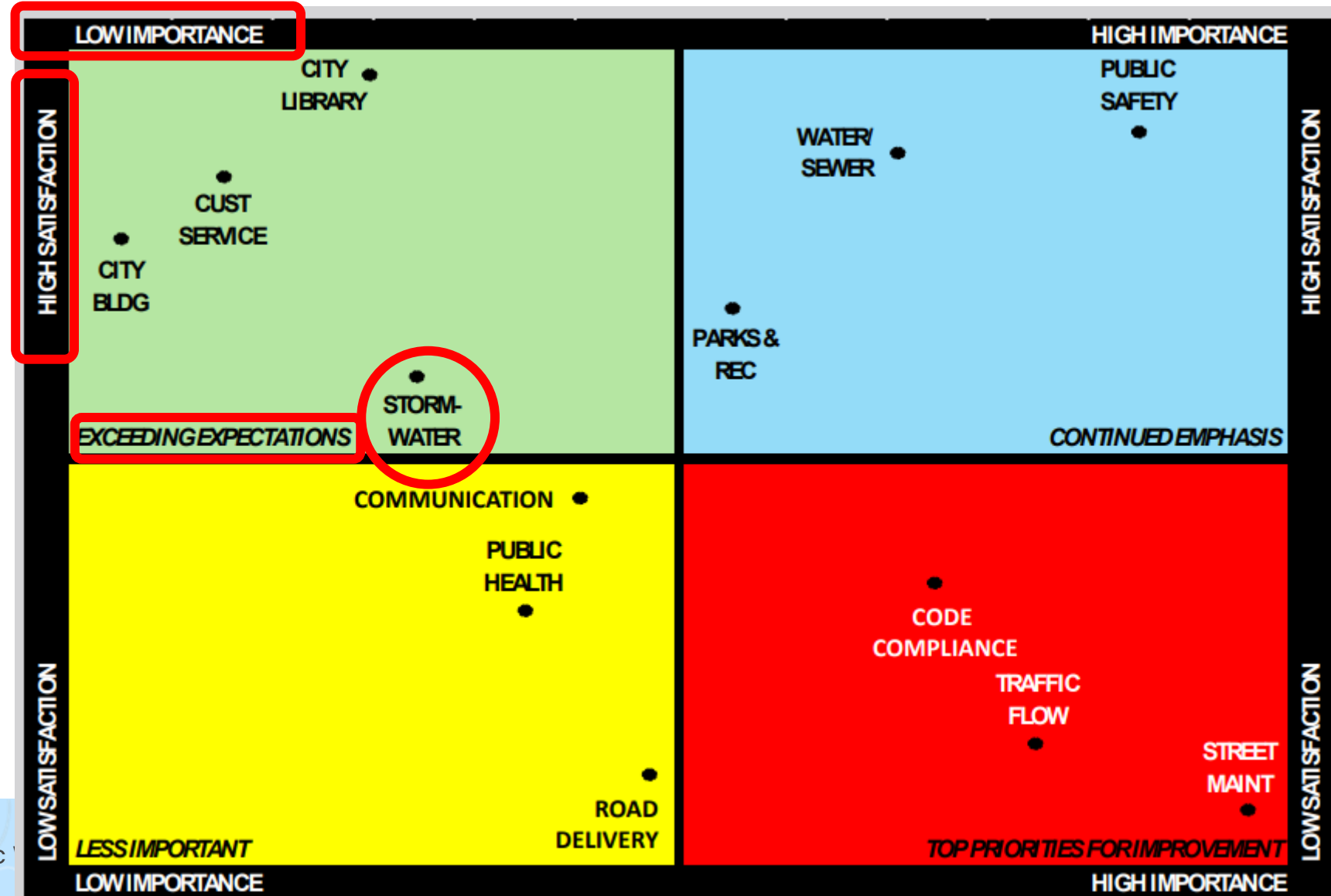
Feedback Received to Date

2023 Citywide Survey

Importance-Satisfaction Matrix
Major Categories Of City Services

Overall management of stormwater runoff and flood control

1,725 completed surveys



Drivers/Constraints Feedback

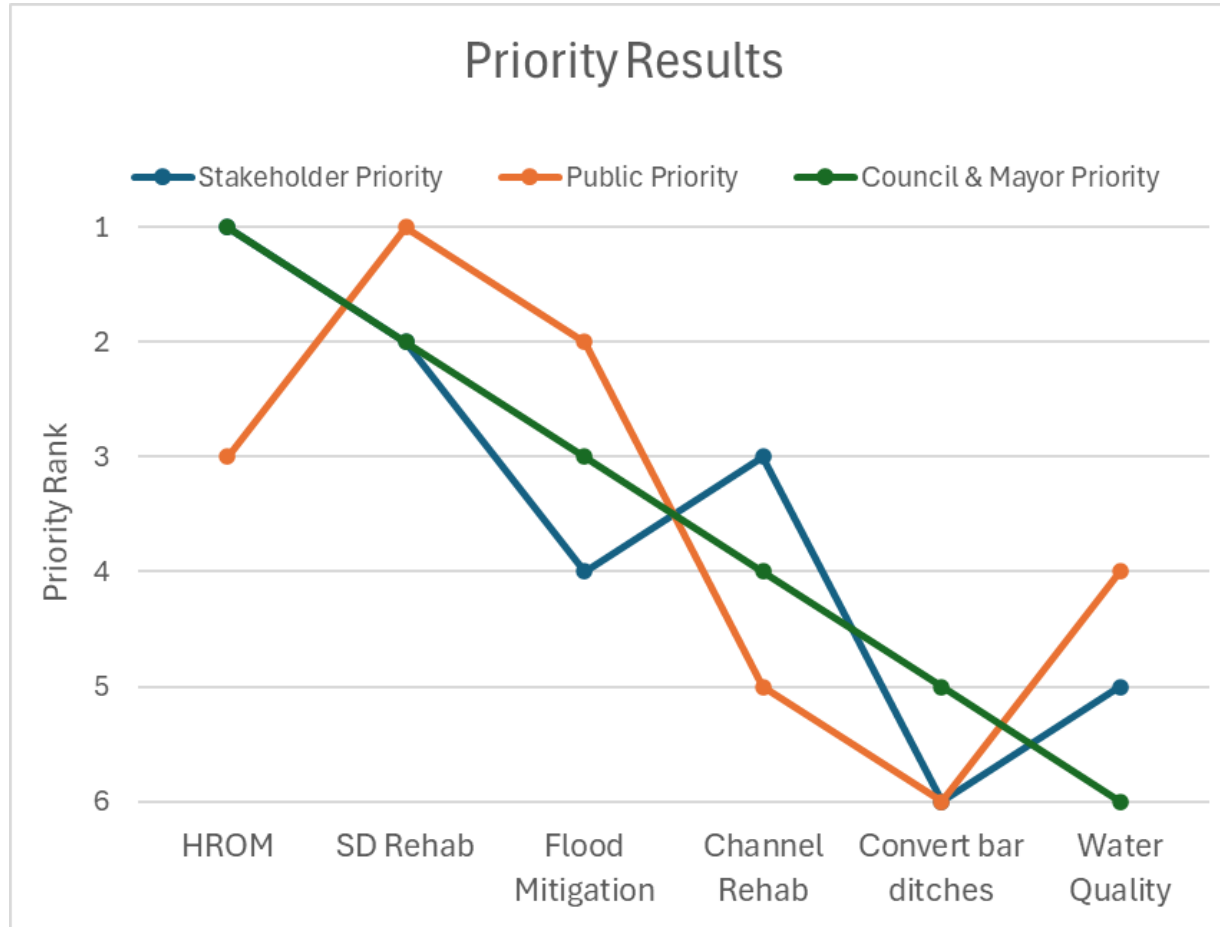
Drivers

- Deteriorating Infrastructure
- Flood Mitigation
- Financing Opportunities
- Inflation

Constraints

- Make Things Better
- Maintain Current Maintenance & Capital Service Levels
- Community Support
- Realistic Resource Optimization
- Continuous Optimization
- Long Term Measurable Goals
- Future Fee Increases in Small Increments

Future Program Priority



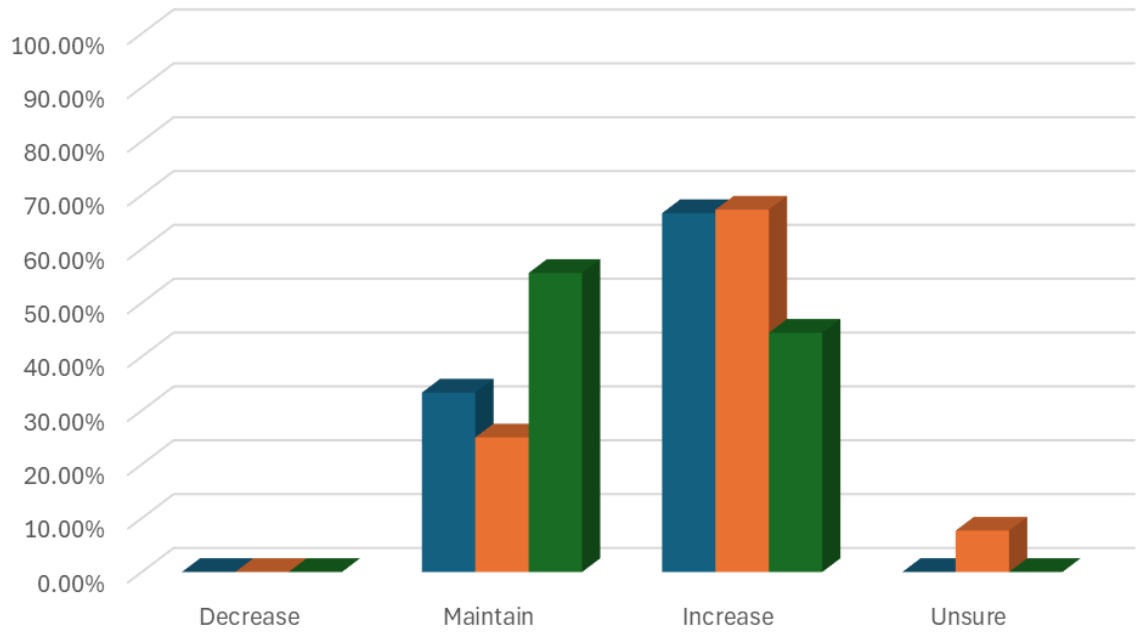
Respondents were asked to evaluate priorities with respect to Stormwater's mission of protecting people and property from harmful stormwater runoff.

52 public surveys were received to inform priorities and levels of service

Future Levels of Service

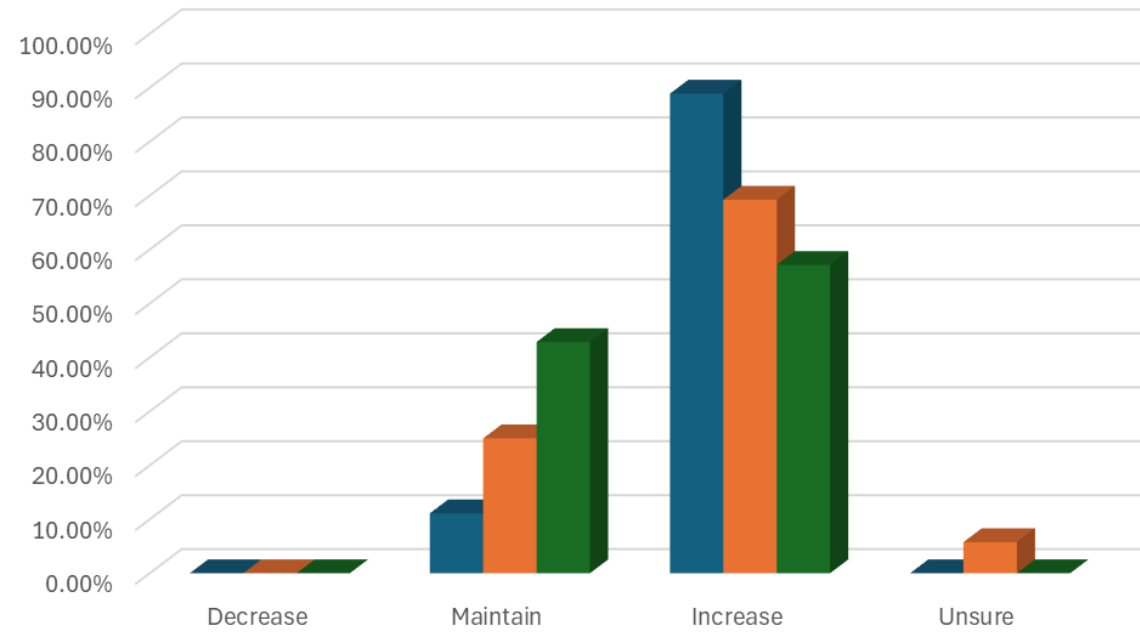
Future LOS for Maintaining Existing Pipes & Channels

Stakeholder Public Council & Mayor



Future LOS for Constructing New Drainage Infrastructure

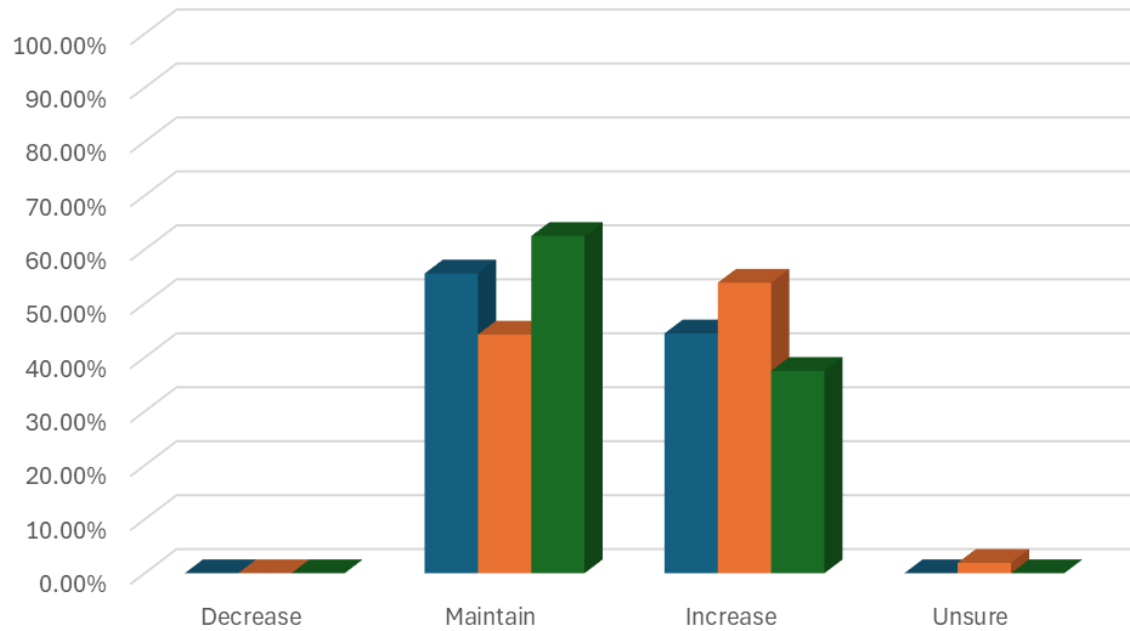
Stakeholder Public Council & Mayor



Future Levels of Service

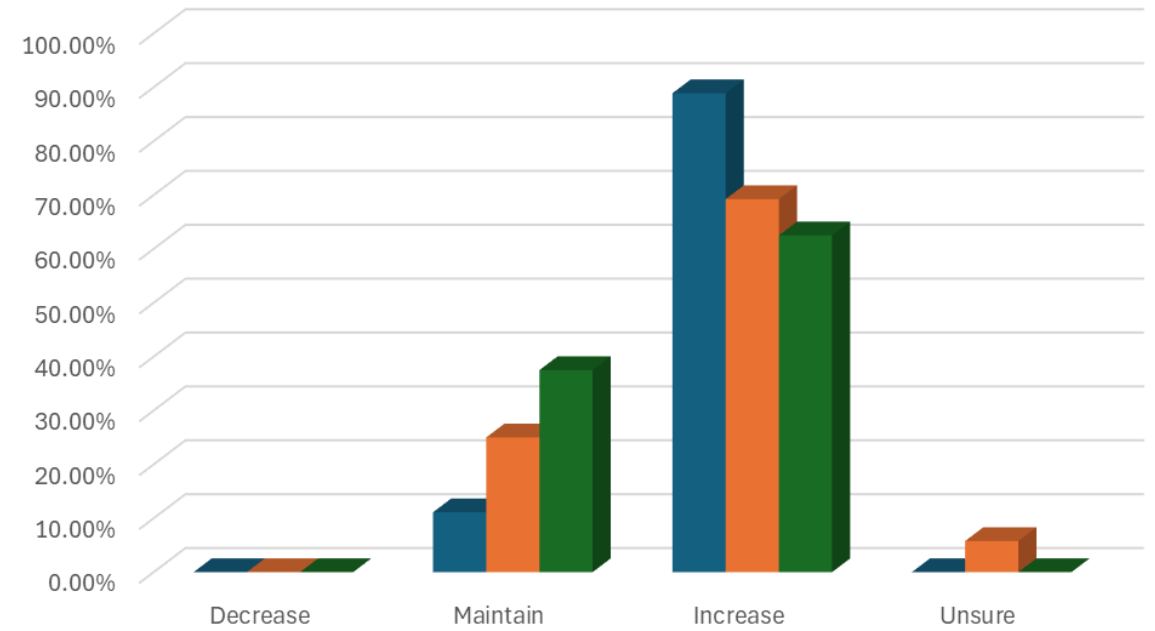
Future LOS for Warning Through Risk Mapping and HWWS

Stakeholder Public Council & Mayor



Future LOS for Reviewing New Development

Stakeholder Public Council & Mayor



City Departments

- Enhance **Flood Warning** Notifications & Embrace **Technological Advancements**
- Align Strategically with other **City Department Plans for Partnership**
- Increase Involvement in **Flood Response Planning**
- Collaborate to **Prevent Litter** from Entering Storm Systems
- Promote and Expand **Green Infrastructure**
- Expand and Protect **Riparian Areas**
- Plan for **Climate Resilience** Over the Next 20 Years

Findings from Current Feedback

- Indicates high priority on **maintaining** and **improving** services levels
- Feedback to date **aligns** with **current program** investments
- **Refine**, not recreate

A large, light blue, stylized lightbulb icon is centered in the background. It features a circular top with several short, radiating lines representing light rays, and a base consisting of a horizontal bar and a semi-circle.

Preliminary Direction for Future Stormwater Program



“Mature Stewardship”

Responsible management of public safety, property, community well-being, and provided resources

Future Program

Key Characteristics

- Expansion of Core Services
- Enhanced Funding Reliability
- Asset Management Maturity
- Inter-Department Collaboration
- Process Optimization
- Community Participation

How strongly do you agree with this future direction of the program?



Strongly disagree

Strongly agree

How strongly do you agree with these key characteristics of the future program?

Expansion of Core Services

Enhanced Funding Reliability

Asset Management Maturity

Inter-Department Collaboration

Process Optimization

Community Participation

Strongly disagree

Strongly agree

Is there something else you see as a key characteristic of the future program?

Stakeholder Comments & Discussion

Do you have any other input, questions, or concerns as a stakeholder representative?

Next Steps