Stormwater STRATEGIC PLAN

Stakeholder Meeting #2

April 2, 2026

Disclaimer: Values listed in Stakeholder Meeting 2 documentation are as of April 2, 2026 and may have since been updated.

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Objective

Why You Are Here Today

Build on the foundation from the first Stakeholder workshop by providing feedback on preliminary future program outcomes.

Stakeholder Member Expectations

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

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Agenda

Topic	Time (min)
Opening Remarks & Introduction	10
Strategic Plan Overview – Big Picture Reminder (Purpose, Process, Current Steps)	5
Key Definitions	5
Stakeholder Meeting #1 – Recap & Results	5
External Factors & Peer Community Feedback	5
Criticality Assessment	5
Future Outcomes Group Exercise Introduction	5
Break	5
Future Outcomes Group Exercise	70
Next Steps	5

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Introductions

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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
- Gavin Waldrop, EIT

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Strategic Plan Overview

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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

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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?

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Steps

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

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Public Feedback Opportunities

1. Online Surveys
2. Attendance at citywide bond meetings & town halls
   - Fall 2025
   - **Spring 2026**
3. Website

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Stakeholder Meeting Schedule

(Tentative)

Fall 2025	1st Half 2026 (Today)	2nd Half 2026	1st Half of 2027
• Current Level of Service & Future Direction	• Future Level of Service & Metric	• Resource Strategy & Optimization	• Next Steps & Roadmap

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Key Definitions

- See Handout

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Stakeholder Meeting #1 – Recap & Results (Current Level of Service Outcomes)

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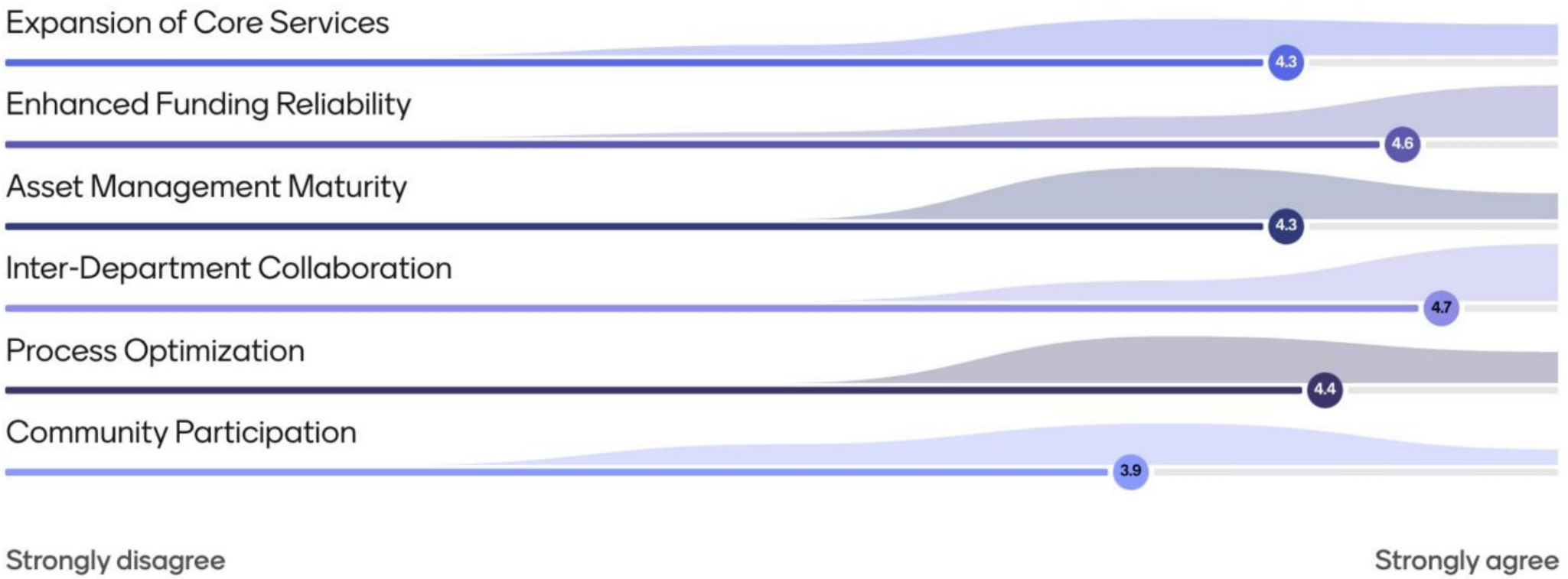
Stakeholder Meeting #1 - Recap

Future Program Direction:

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



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Stakeholder Meeting #1 – Recap

- Indicates high priority on **maintaining** and **improving** services levels
- Feedback **aligns** with **current program** investments
- **Refine**, not recreate
- Informed initial **future level of service** outcomes for the stormwater strategic plan

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External Factors and Peer Community Feedback

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External Factors

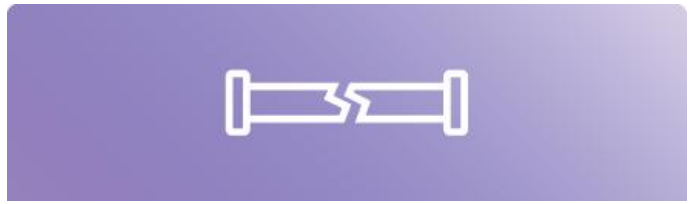
Peer communities faced similar issues as the City of Fort Worth

Increasing Rainfall Intensity and Frequency

Growth, Infill, and Redevelopment

Regulatory and Legal

City and Department Initiatives



Aging Infrastructure

Economy and Financial

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Peer Community Feedback

Gathered feedback from communities with similar stormwater programs

- Stormwater Utility Fee
- Similar Scale
- Established Stormwater Programs

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Criticality Assessment

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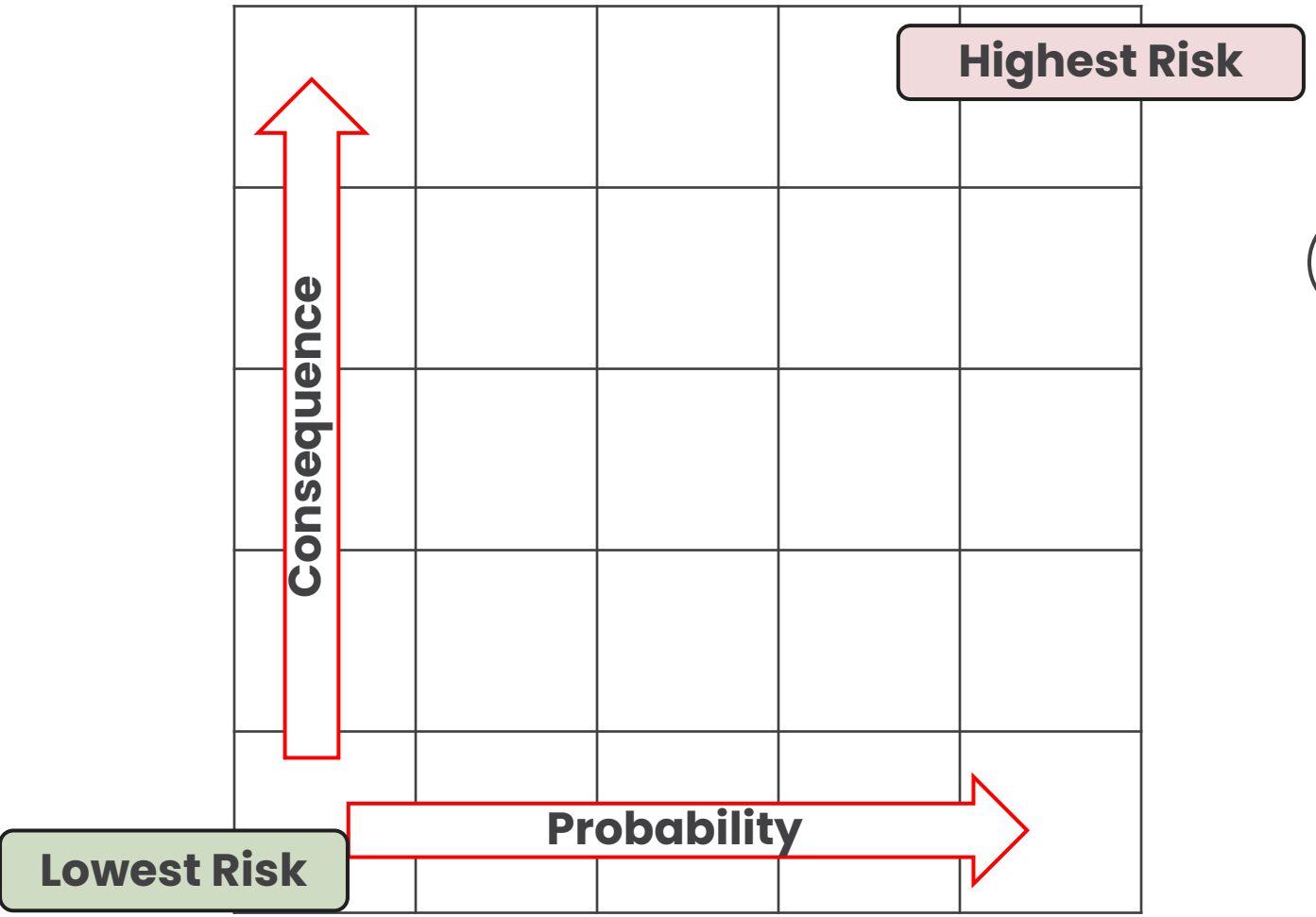
Approach



- Stormwater Staff ranked probability of an outcome statement not being met and its consequence

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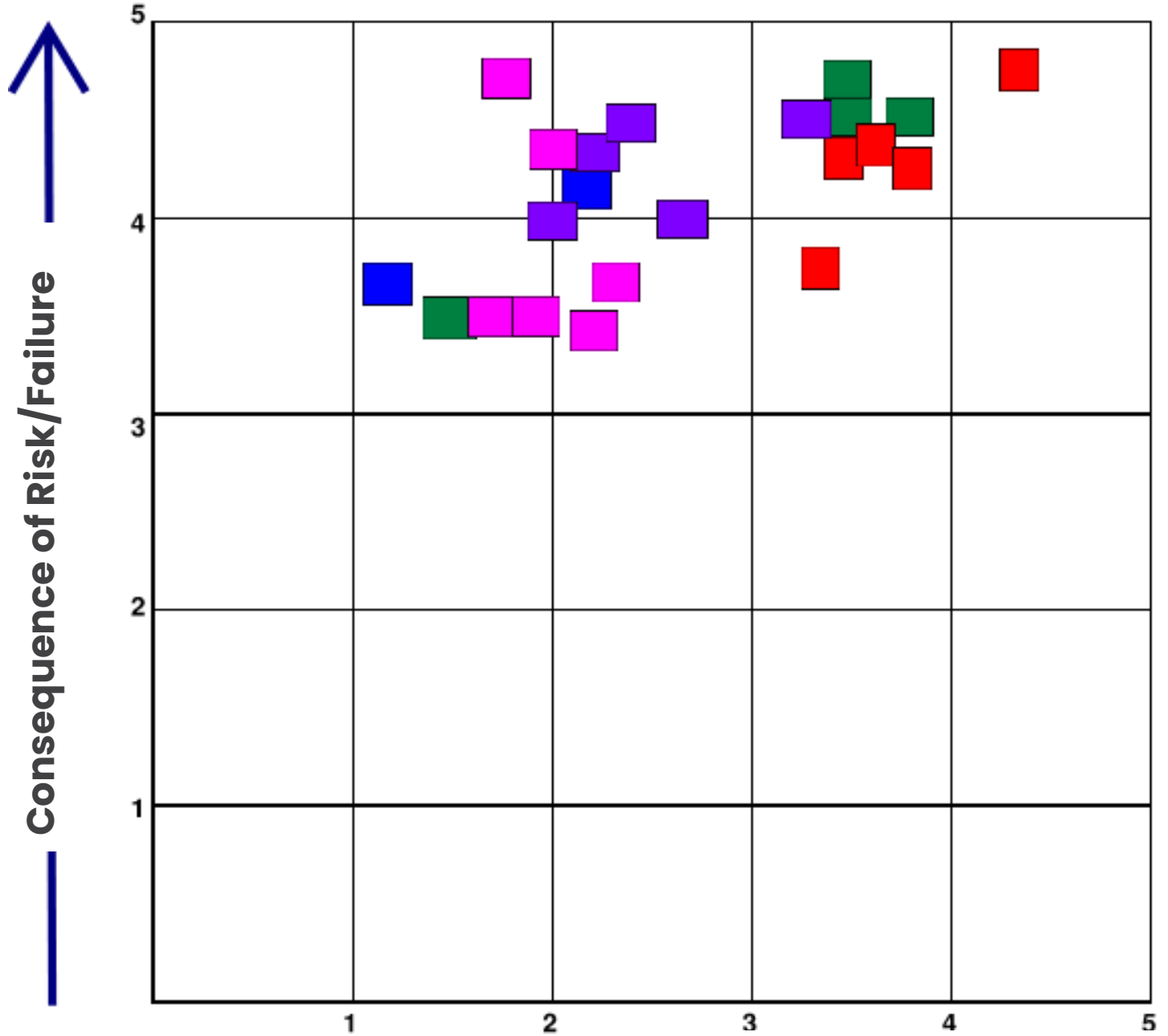
Outcomes

- Program
- Maintain
- Improve
- Warn
- Review



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All Feedback to Date

- City Mayor and Councilmembers
- Strategic Planning Stakeholder Meeting #1
- Bond and other Public Meeting Surveys
- Internal City Criticality Assessment
- City Departments and Department Plans
- Peer Communities

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Additional Outcomes

Derived from received feedback to date and criticality assessment

- Develop and maintain City Stormwater drainage and development standards so new projects do not make flooding worse (Review)
- Amount of inspection of private drainage infrastructure before the City accepts (Review)
- Partnership on programs that protect water quality and open space (Program-Wide)
- Partnership on programs that protect life and property (Program-Wide)
- Portion of the City Stormwater's culverts that are inspected and we understand the condition of (Maintain)

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Future Outcomes Exercise Introduction

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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

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Future Program Direction

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

Key Characteristics for Future Program

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

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What does Future Outcome Mean?

- How far do you turn the dial up on a current outcome's level of service over the next 20 years?
- It is considering:
  - Future Program Direction
  - Future demands and needs in 20 years when compared to today
  - What services may be needed that aren't provided today
- It is not:
  - A prioritization exercise (The provided Level of Service today for a high priority item may already be satisfactory)

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Future Outcomes Exercise

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Changes to Level Of Service

- **Stay the Same-** Ratepayers are satisfied with the level of service currently provided in this area, service will continue to be funded and provided in a way that grows/expands with demands to provide the same level of service outcomes over time.
- **Slight Increase-** Ratepayers value this service and feel that a minor increase in the level of service will meet the City's needs.
- **Moderate Increase-** Ratepayers feel that the level of service is lacking in this area or will likely lack in the future, and significant, tangible changes are warranted to meet community expectations.
- **Major Increase-** Ratepayers feel that the level of service in this area are unacceptably deficient or at highest risk of becoming deficient in the future. Level of service increases to the point of investing in both operational and capital changes are warranted.

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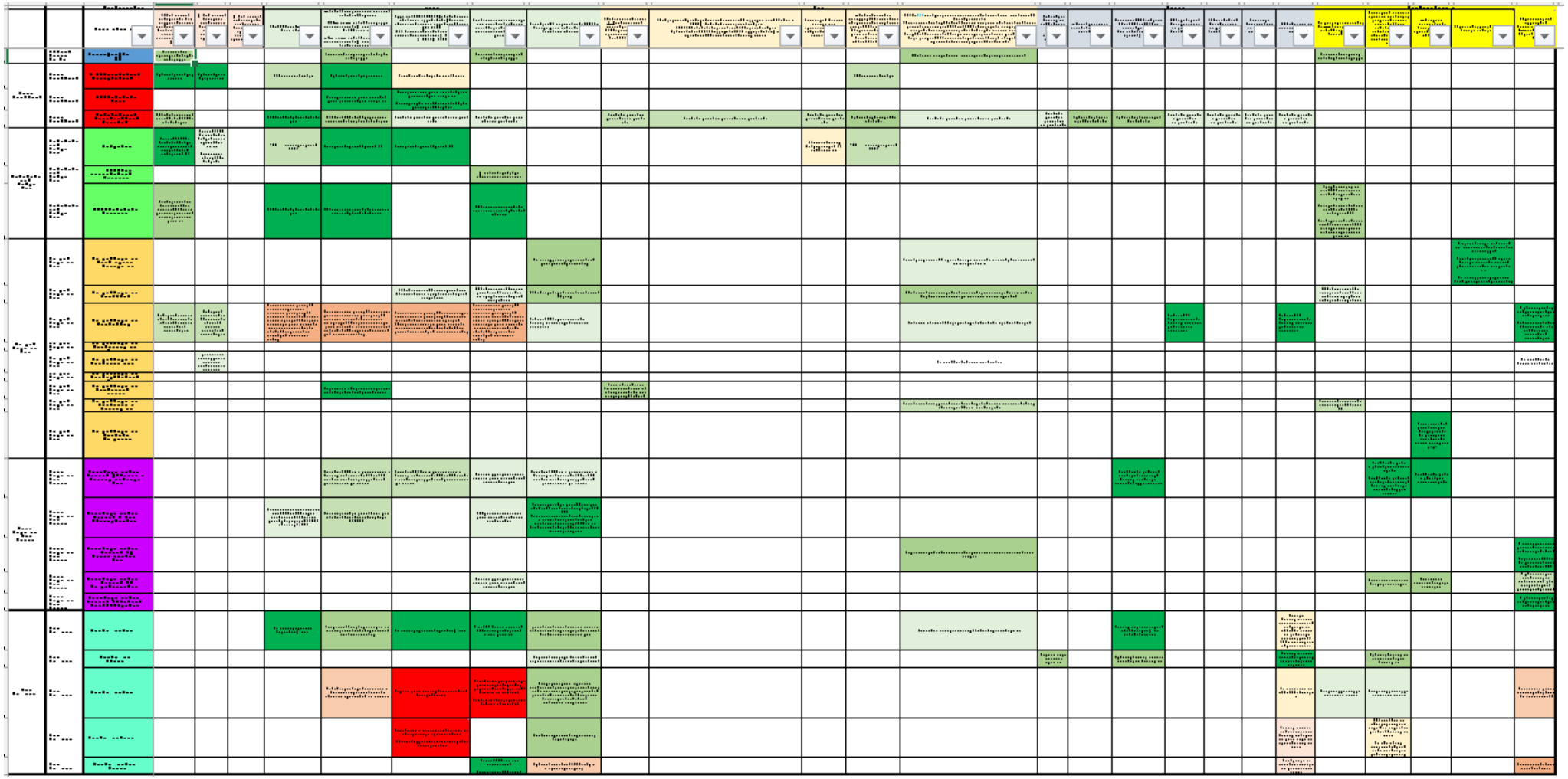
Analysis of Feedback



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Preliminary Stormwater Selection

No Change	Slight Increase	Moderately Increase	Most Aggressive Increase
11. New structures in FEMA floodplains or City Flood Risk Areas (CFRA) are reviewed, permitted, and determined to be safe from currently regulated 100-yr flood risk.	flood risks. Touchpoints include: City News articles, water bill inserts, Neighborhood Association meetings, social media (Facebook, Twitter, etc.) posts, collaborative social posts with CPE and OEM, Next Door posts, public meetings, targeted niche meetings with other civic organizations, public edu through formal curriculum offered in schools through the Educational Credit Policy, permanent signage in school campuses through the same Program, signage at hazardous road overtopping locations and in parks, etc. and through	7. 32% of City-maintained engineered channel asset condition is currently known based on inspection. All City-maintained engineered channels are inspected every 15 years.	83% (___ miles / total ___ miles) of the City's drainage pipe infrastructure conveys the 100-year storm capacity within the ROW or easement. __% (___ miles / total ___ miles) of the City's drainage channel infrastructure conveys the 100-year storm capacity within the channel or easement.
13. (NEW) SW protects water quality by supporting the City's Environmental Department by ____, and supporting the City's Open Space Program by ____.	12. (NEW) Develop and maintain criteria to pursue our mission of keeping people and property safe. Continually or annually, the City's design standards or drainage standards are reviewed to make sure that development activity does not make things worse.	8. Based on our current annual capital investments, our backlog duration exceeds the typical design life of 50-100 years. (Infrastructure fails faster than it can be improved)	2. Based on currently available condition assessment data, it is estimated that approximately __% of the city's stormwater infrastructure is in fair or better condition and operating at the designed capacity.
18. 20% of city owned inlets will be inspected/cleaned annually	17. (NEW) ___ % of all privately constructed public drainage system assets are inspected for compliance with City standards prior to being constructed by the City.	10. __% of hazardous roadway overtopping (HRO) locations have adequate flood warning devices (signage, HWWS, alerts, or guardrail, etc.). Adequate flood warning or safety improvement devices are those that have been vetted and addressed by the HROM program.	3. 26% of City-maintained underground storm drain main pipes asset condition is currently known based on inspection. All City-maintained underground storm drain pipes are inspected every 16 years .
100% of City-maintained drainage inlet condition is currently known based on inspection. All City-maintained inlets are inspected every 5 years.	31. The City provides residents with a 15% discount on flood insurance premiums by maintaining a Class 7 Community Rating System (CRS) Score.	15. 85% (__ miles pipe/__ total miles pipe) of City drainage infrastructure (Pipes) is within City ROW/Easement/Property. __% (__miles channel/_ total miles channel) of City drainage infrastructure (Channels) within City property/ROW/easement.	4. Partnership on 28 projects has led to $12.6M in drainage improvements that otherwise wouldn't have been made over the last 10 years.
19. Non-Emergency Customer Service Requests are responded to within 72 hours and closed out within 30 days on average. Emergency responses are responded to within 24 hours on average 98% of the time.		16. Approximately 226,354/259,561 of habitable structures in the City are not mapped within the 1% annual chance flood event (not mapped at flood risk, plus post-1980 FEMA). 33,207 structures are identified at-risk of flooding for the 1% annual chance flood event (100-yr FEMA pre-1980, 100-yr CFRA, 100-yr PHWA).	6. Of the HROs identified, 25% (108/426) have been made safer.
20. Every significant or high-hazard City dam managed by the Stormwater program is inspected twice every year to be in compliance with TCEQ requirements. EAP documentation on inspections is updated once every year with tabletop exercises once every 5 years to maintain			
21. 95% of grading and drainage reviews are completed within 10 business days per review cycle.			
22. On average 90% of active war ...rational at any given time and providing real-time data to an onl...			
23. The City annually sends notic...nters, and owners with property within the FEMA regulated floodp..., or Fort Worth's City Flood Risk Areas (CFRAs)			
24. 95% of flood study and dual st... within 15 business days per review cycle.			
25. On average, drainage studies are completed within 4 number of review cycles.			
26. 100% of City-maintained flood warning flasher condition is currently known based on inspection. All City-maintained flashers are inspected twice per year.			
27. 0% of Floodplain Development and Grading permits issued are investigated each year to verify compliance.			
28. (NEW) SW protects life and property by partnering and collaborating with the City's Emergency Management Department 100% of the time on city wide events____.			
29. 90% of floodplain violations are resolved within one year of the first notice being sent.			
30. The City prepares and provides publicly available online flood risk mapping information 24/7 in the form of: - PHWA (100% of City studied for non-regulated floodplains) - CFRAs (35% of City studied for City-regulated, non-FEMA regulated floodplains) - Updates to Outdated FEMA Mapping (% of FEMA mapping is older than 10 years.) to provide flood			
32. (NEW) _% of City-maintained culvert asset condition is currently known based on inspection. All City-maintained culverts are inspected every 3 years .			

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Level of Service Outcomes

Program-Wide

City's Flood Insurance discount for residents due to Floodplain Management Activities (Slight Increase)

Response time to non-emergency and emergency service requests (No Change)

Partnership on programs that protect life and property (No Change)

Partnership on programs that protect water quality and open space (No Change)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Maintain

Percentage of the City Stormwater storm drain pipes and channels located in areas that the City has a right to access and maintain (Moderate Increase)

Percentage of City Stormwater infrastructure that is in at least fair condition and operating the way it was designed to work (Most Aggress. Increase)

Inspection of City Stormwater' managed dams for safety and regulatory compliance (No Change)

Portion of the City Stormwater's engineered channels that are inspected and we understand the condition of (Moderate Increase)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Maintain

Portion of the City Stormwater's engineered storm pipe that are inspected and we understand the condition of (Most Aggressive Increase)

Portion of the City Stormwater's engineered storm drain inlets that are inspected and we understand the condition of (No Change)

Portion of the City Stormwater's engineered flood warning flashers that are inspected and we understand the condition of (No Change)

Portion of the City Stormwater's culverts that are inspected and we understand the condition of (No Change)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Improve

Make hazardous roadway flooding locations safer for the public (Most Aggressive Increase)

Portion of City Stormwater's drainage system that meets today's standards (Most Aggressive Increase)

Percent of homes and buildings within the City identified to be at flood risk (Moderately Increase)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Improve

Investment in backlog of identified improvement projects (Moderate Increase)

City Stormwater partnering with other groups to make improvements that would otherwise not be done in the near future (Most Aggressive Increase)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Warn

Amount of flood risk notices sent to those at flood risk (No Change)

Online flood risk mapping information made available 24/7 (No Change)

Percent of flasher flood warning systems that are fully operational at any given time (No Change)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Warn

Percentage of flood-prone road crossings with adequate warning signs or other safety devices (Moderately Increase)

Amount of public education touchpoints and level of communication about flood risk (Slightly Increase)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Review

Follow up site visits to verify compliance on Development and Grading activities permitted by City Stormwater (No Change)

Number of floodplain violations that are resolved within one year (No Change)

Review new construction in flood-risk areas to make sure they are safe from major flood events (No Change)

No Change

Most Aggressive Increase

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Level of Service Outcomes

Review

Time to review permits (No Change)

Average number of review cycles to complete drainage studies (No Change)

Develop and maintain City Stormwater drainage and development standards so new projects do not make flooding worse (Slightly Increase)

Amount of inspection of private drainage infrastructure before the City accepts (Slightly Increase)

No Change

Most Aggressive Increase

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Are there any outcomes that you were expecting to see that you didn't see listed here today?

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Stakeholder Comments & Discussion

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

Next Steps

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