

GOOD EVENING....

Welcome to the Asset Management Program Informational Meeting

The presentation will begin shortly.



Agenda

- Introductions
- What is asset management?
- St. Joseph's asset management journey
- Purpose of public meetings
- St. Joseph's DRAFT asset management policy

Introductions

Engineering Personnel

- Tim Zebell, City Engineer
- Alex Austin, Assistant City Engineer

Public Services Personnel

- Greg Grothous, Director of Public Works
- David Linderman, Supervisor, Water and Sewer
- Danny Patrick, Supervisor, Streets and Sanitation

Asset Management Consultants

- Shawn Keough, Wade Trim
- David Delia, Wade Trim
- Tim Drews, Abonmarche

Sustainability Committee

Members

- Mayor Laura Goos
- Kim Jorgensen Gane
- Paul Gillespie
- Larry O'Brian
- Lisa VanBladeren
- Chris Lannert



What is Asset Management?

“Asset management is the practice of managing infrastructure capital assets to minimize the total cost of owning and operating these assets while delivering the desired service levels”

- USEPA

- Risk Management
- Good Stewardship

Asset Management...

- ... utilizes the concept of risk reduction to prioritize spending.
- ... is data-driven decision making.
- ... is good stewardship.
- ... continuous improvement process.



Risk = Consequence of Failure × Likelihood of Failure

Asset Management Journey

Prior to the SAW Grant, project selection predominantly based upon meeting regulatory requirements and undertaking projects eligible for grant & low interest loans

- SAW Grant (2017)
 - Inventory: Sanitary; Stormwater; Water
 - GIS
 - Cityworks™
 - 1st Asset Management Plan integrating infrastructure in R.O.W.
 - Risk



“The journey of a thousand miles begins with one step.” - Lao Tzu

Purpose of Public Meetings

Meeting #1

What we are planning

- SAW Grant Overview
- Introduction to Asset Management
- Draft AM Policy

Meeting #2

What we are doing

- Communicate Progress
- Draft Risk Register
- Draft Plans

Meeting #3

What we have done

- Review
- Progress/Deliverables
- Final Policy
- CIP Discussion
- Long Term Planning
- What's next

Assets Included in the Program

Sanitary

- Sewer Pipes
- Valves
- Manholes
- Pump Stations
- Cleanouts
- Overflow Structures
- Bulkheads

Water

- Water Pipes
- Valves
- Hydrants
- Manholes

Roads

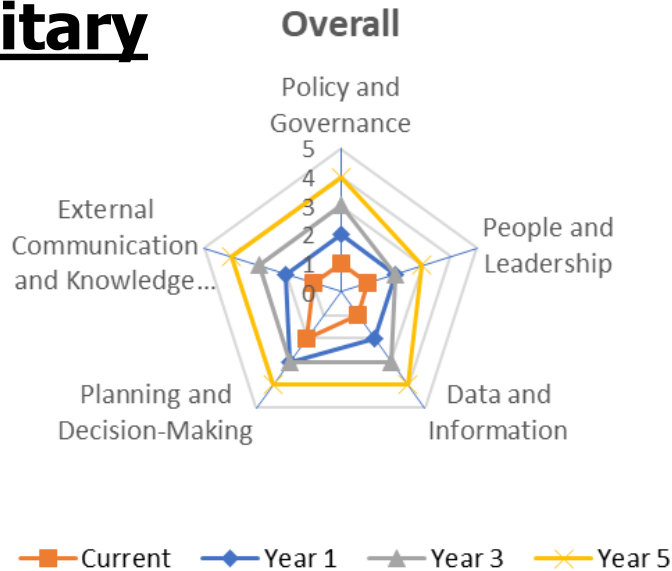
- Major
- Intermediate
- Local
- Detention Ponds

Storm

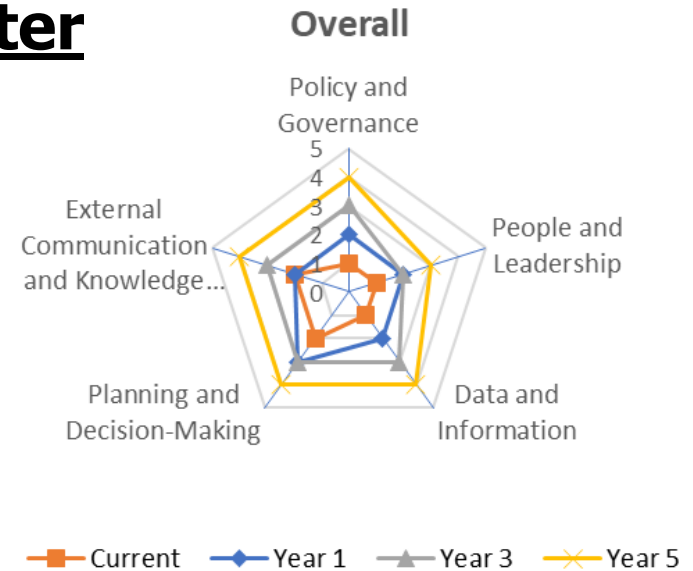
- Sewer Pipes
- Manholes
- Catch Basins
- Bulkheads

Michigan Infrastructure Council (MIC) Asset Management Readiness Scale (AMRS) (2021)

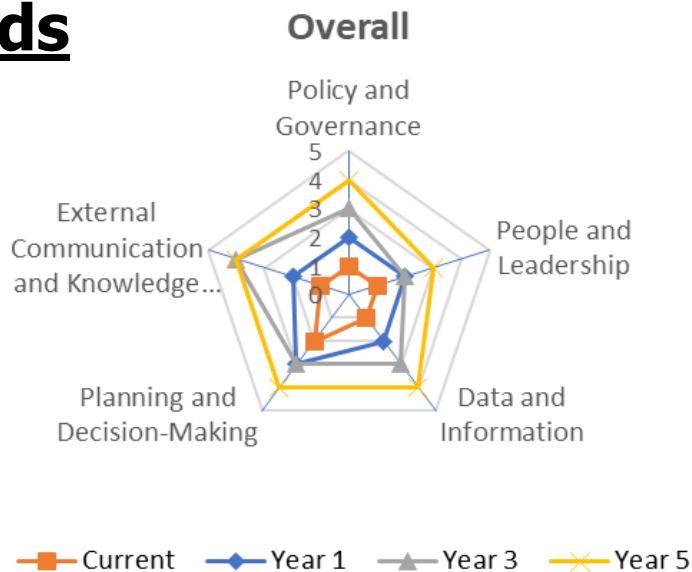
Sanitary



Water



Roads



Storm



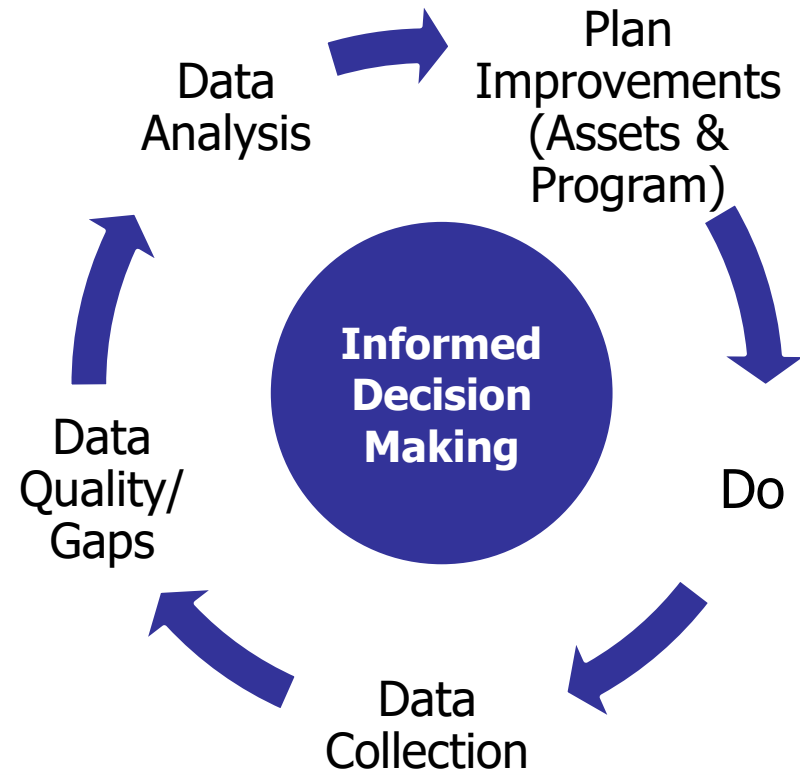
AM Plan vs. AM Program

Asset Management Plan (AMP)

- Snapshot in time
- Accomplishments
 - Completed Projects
 - Risk Reduction
 - Program Improvements
- Plans/Intentions
 - Program Improvements
 - CIP



Asset Management Program



CIP Schedule – Iterative Process

If it looks like we are chasing our tail...

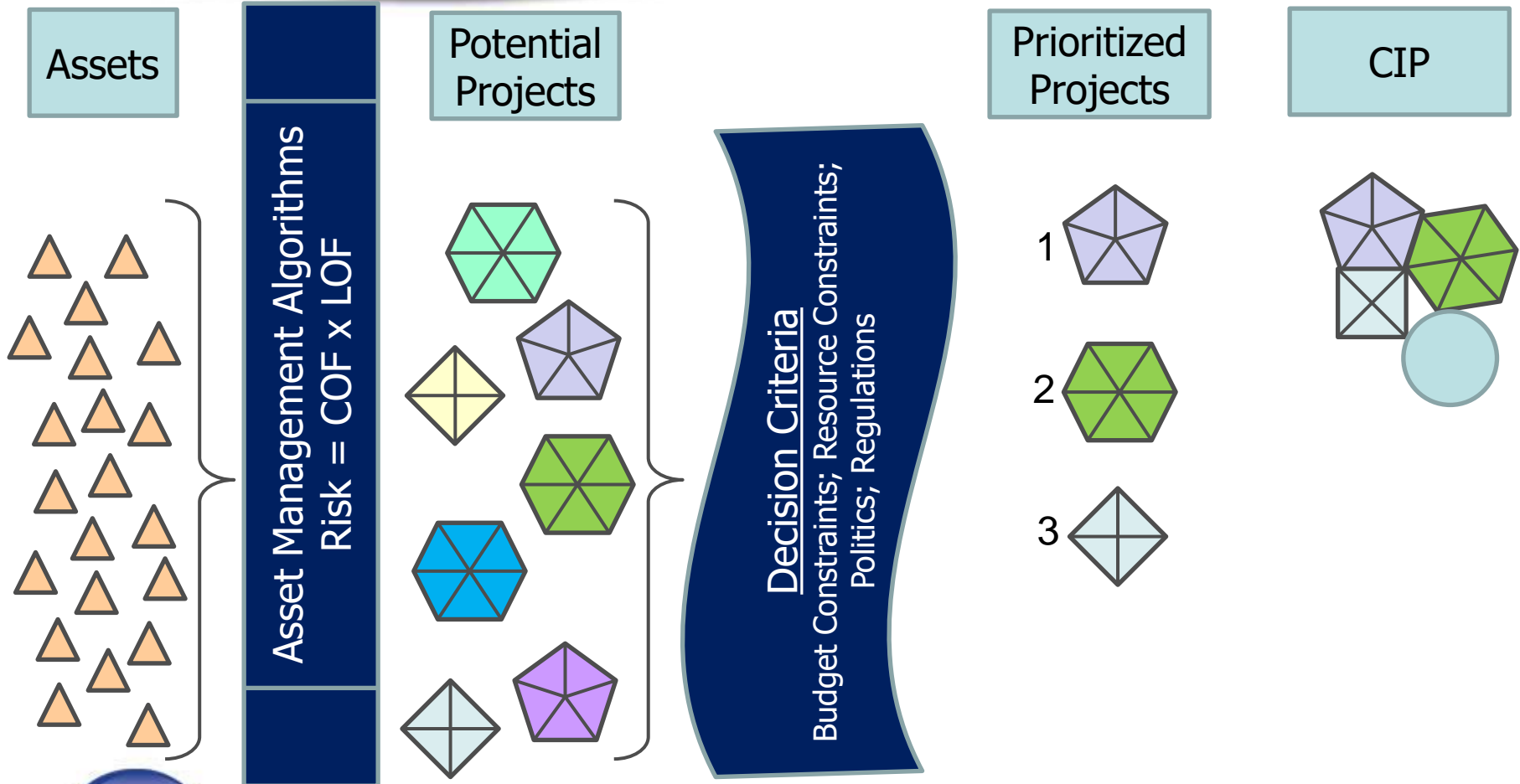


... it is because this is an inherent part of any continuous improvement process



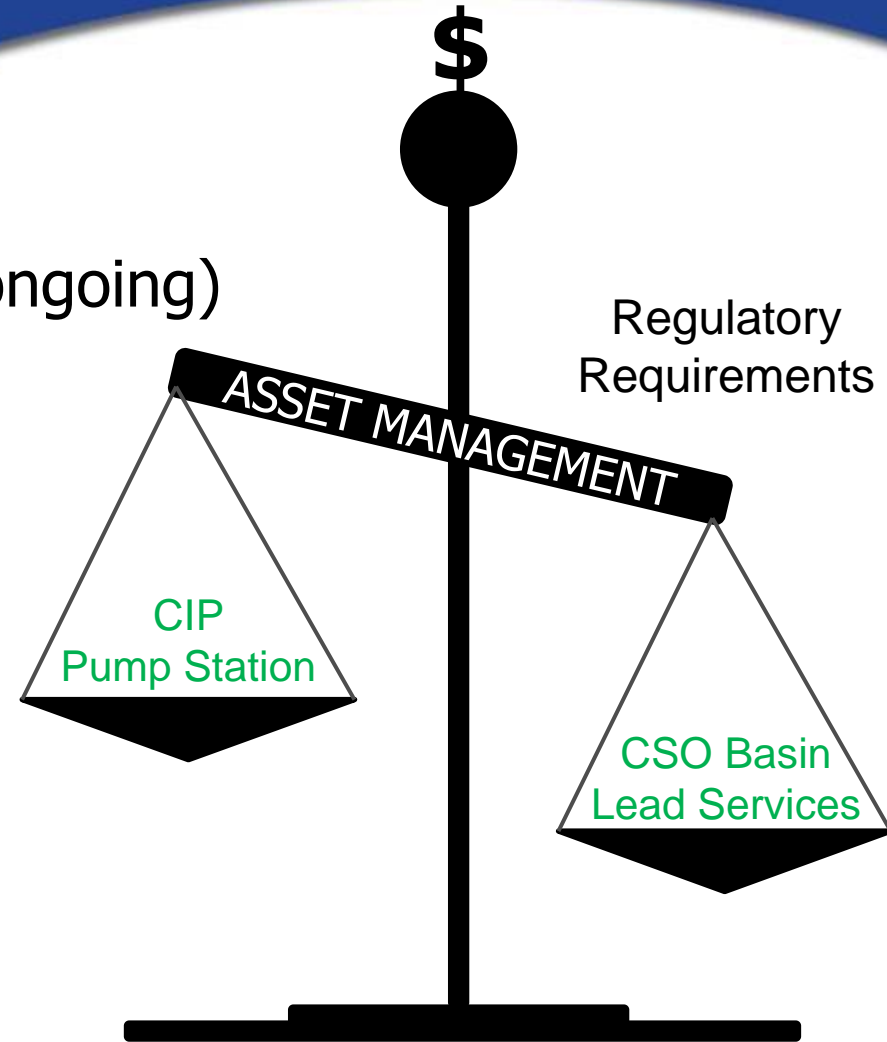
... that balances the scheduling of projects (impacting level of service) with taxes, water and sewer rates

Asset Management and the CIP

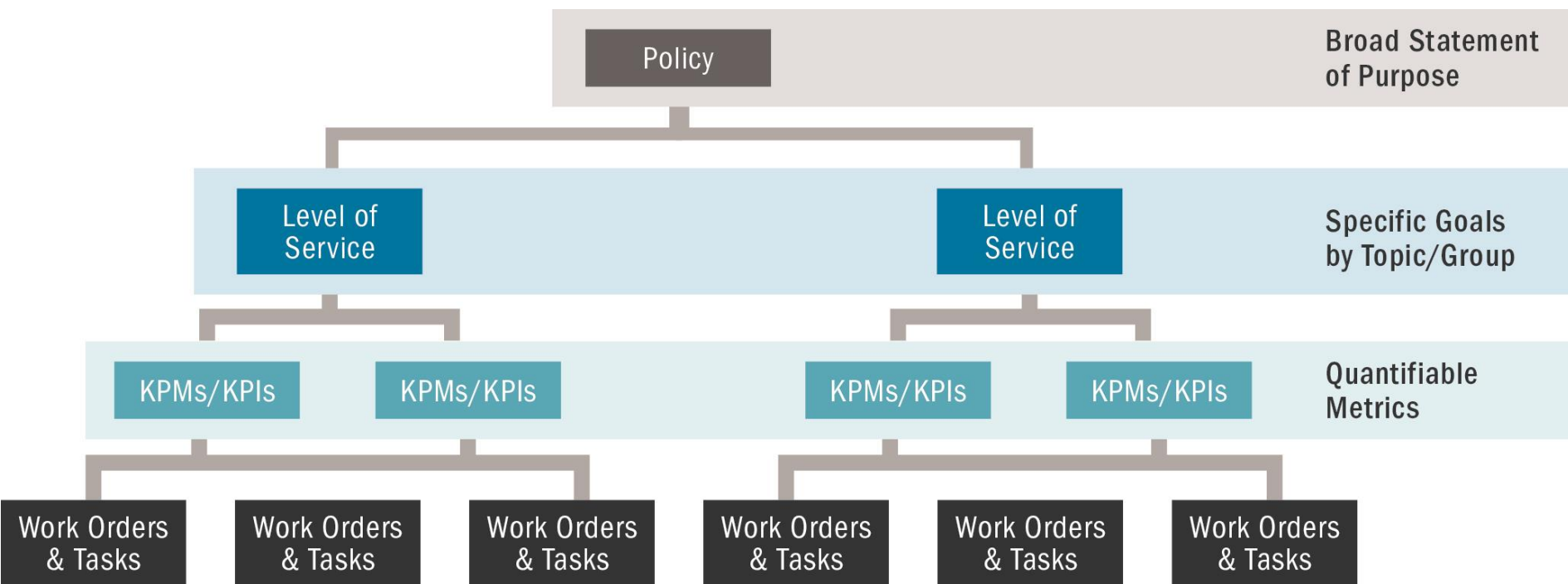


Balancing Priorities

- Asset management (ongoing)
- Lead service line replacement (ongoing)
- Pump station rehabilitation
- Pilot project (Area 9)
- Annual sewer replacement
- CSO basin construction

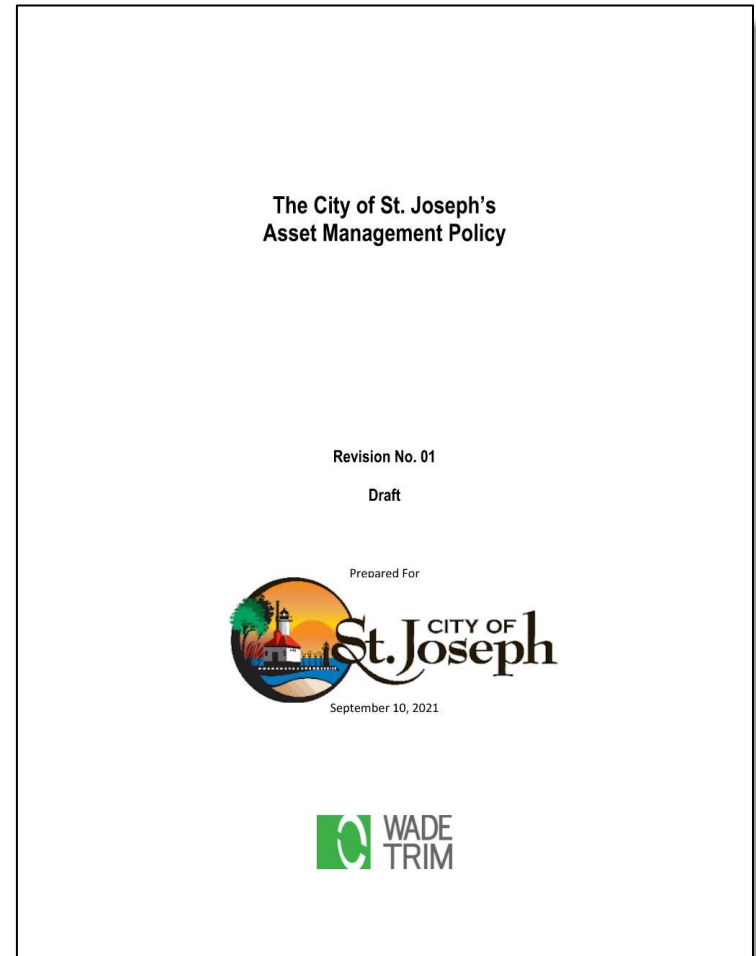


AM Program Elements



St. Joseph's Draft AM Policy

- Purpose
- Objectives
 1. Sustainable
 2. Compliant
 3. Reliable
 4. Safe
 5. Beneficial
- Beneficial
- Principals
- Policy



Draft Asset Management Policy

1. The City will establish and maintain an asset management program that includes the asset classes included in the appendix of this policy.

Roads	Sanitary	Water	Storm
Paved roads	Collection system	Distribution piping	Collection system
Sidewalks	Lift stations	Hydrants	Sewer manholes
Non-motorized paths	Sewer manholes	Distribution valves	Catch basins
	CSO chambers	Large mains	Treatment units

Draft Asset Management Policy

2. The City will identify Level of Service (LoS) goals for each asset class that address the objectives of the Policy.
 - **15 LOS Goals are mapped across the 5 Objectives**
3. The City will regularly review, add, remove, and adjust LoS goals to ensure they meet the objectives of the policy.

	Sustainable	Compliant	Reliable	Safe	Beneficial
Roads	X			X	X
Stormwater	X		X		
Water	X	X	X	X	
Sanitary		X	X		X

Draft Asset Management Policy

4. The City will establish quantitative performance metrics to support the LoS goals.
 - **61 performance metrics mapped to 15 LOS goals**
5. The City will regularly review, add, remove, and adjust the performance metrics to better measure the City's ability to reach their LoS goals and AM objectives.
6. The City will comply with laws and policies related to the City's asset management program and related to the purpose of the assets.

15 Level of Service Goals

Road

Encourage non-motorized movement

Positively contribute to a higher quality of life, community pride, property values, and public confidence.

Provide a Financially Sustainable Transportation System

Provide a Safe Transportation System

Provide a transportation system in accordance with the latest standards for construction, turning movements, pedestrian activity, and vehicle capacity.

Stormwater

Ensure Adequate Capacity

Protect the Environment

Utility

Responding promptly to Miss Dig requests

Water Distribution

Have Satisfied and Informed Customers

Meet Service Requirements with Economic Efficiency

Provide Reliable Service and Infrastructure

Provide Safe Drinking Water

Sanitary Collection

Be responsive to CSO Events

Provide Reliable Service and Infrastructure

Reduce CSO discharges

