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Asset Management Program Update

Environmental Services Commission

September 5th, 2019

Tonight's Agenda



WHAT IS ASSET
MANAGEMENT?

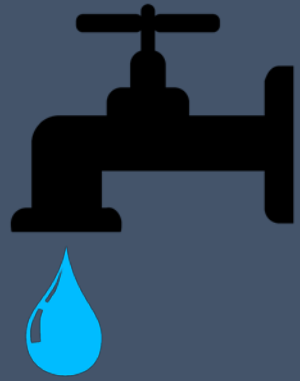


PROGRAM
OVERVIEW



WHAT'S NEXT?

Bellevue Utilities Assets



Storm & Surface Water

- 81 miles of open streams
- 400+ miles of pipe
- 864 protected wetlands
- 20,472 Storm drains
- 360 + Detention Facility's

Wastewater (Sewer)

- 13,000 + manholes
- 500+ miles of pipe
- 127+ miles of lateral lines
- 46 Pump stations
- 34 Major connections to King County

Drinking Water

- 40,000+ water connections
- 600+ miles of Water Main
- 24 Reservoirs storing 41.5 M gal
- 22 Pump Booster stations
- 5,800+ Fire Hydrants
- 62 Pressure Zones

Estimated Replacement Cost for Bellevue's Utility Infrastructure = \$ 3.5 Billion

What is Asset Management?

A systematic and coordinated approach to optimally manage infrastructure assets, and their associated performance, risks, and life-cycle costs for the purpose of achieving expected levels of service.



Asset Management Principles



Adopt a life-cycle approach



Balance cost, risk, and performance of assets



High priority on environmental and financial sustainability



Endorse evidence-based decisions



Continuous improvement

Asset Management Objectives



Manage asset information and systems



Build and maintain strong partnerships



Develop sustainable strategies



Manage assets at the lowest lifecycle cost



Identify critical assets



Define and manage risk

Program Overview



Asset Management Program Elements

Strategy and
Planning

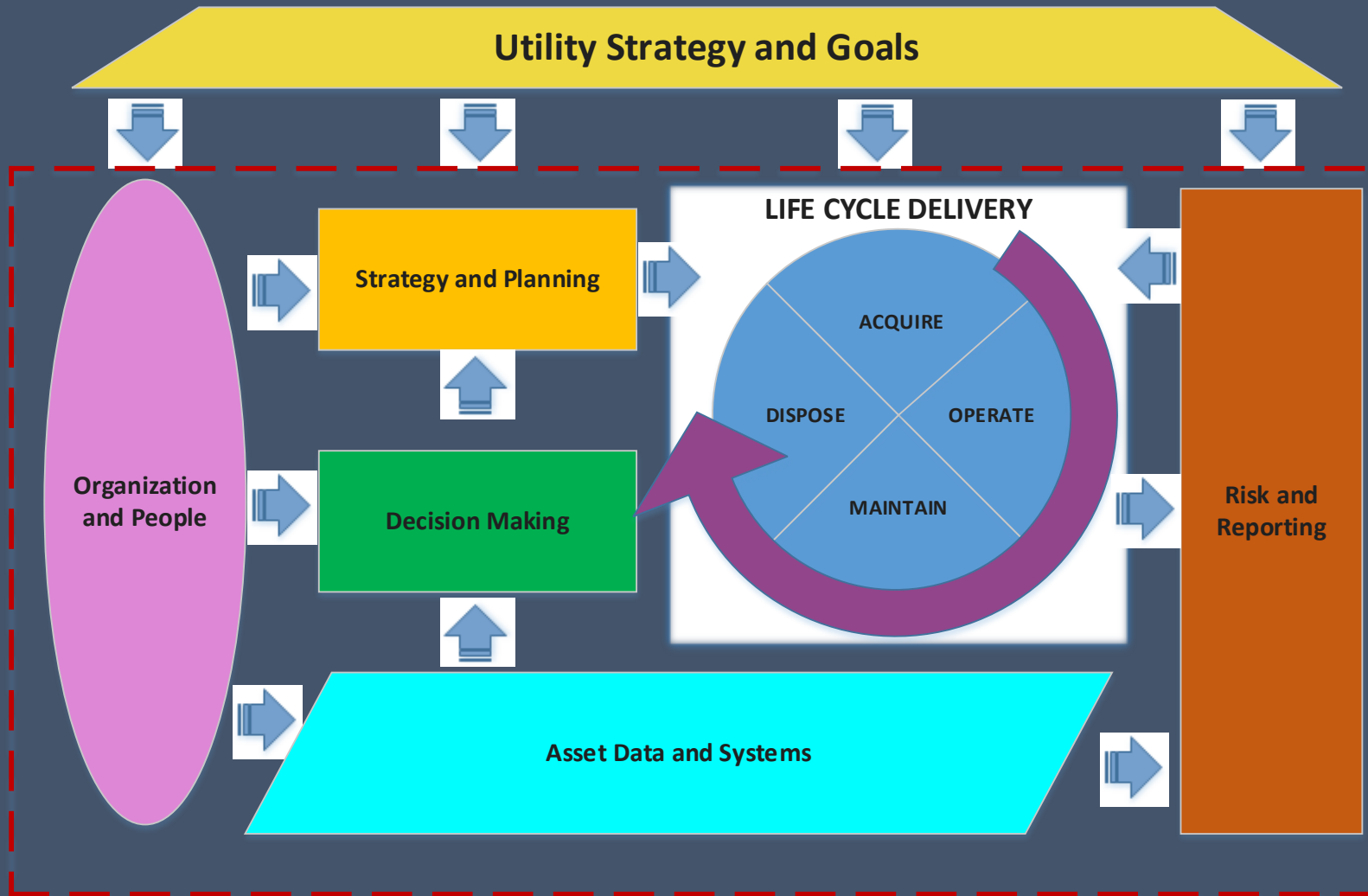
Life Cycle
Delivery

Risk and
Reporting

Decision
Making

Asset Data and
Systems

Organization
and People



Asset Management Program Model



What's Next...

Update Asset Management Strategy and Program Approach

Developing Asset Management Analysis Tools

Update Data and System Requirements for Asset Management

Continue Asset Data Collection and Analysis



Key Points

Bellevue Utilities has embraced asset management for more than a decade in order to:

- Provide the foundation for a sustainable financial strategy
- Utilize industry best practices
- Optimize use of rate-payers funds to achieve expected service levels
- Provide continuous improvement in infrastructure management



QUESTIONS

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