



King County

Department of
Natural Resources and Parks

Wastewater Treatment Division

Updating WTD's Strategic Asset Management Plan

Presentation to Engineering & Planning Subcommittee of
MWPAAC

October 24, 2018

Presentation Overview

- ▶ WTD Asset Management Program
- ▶ King County Council Direction
- ▶ Update Process



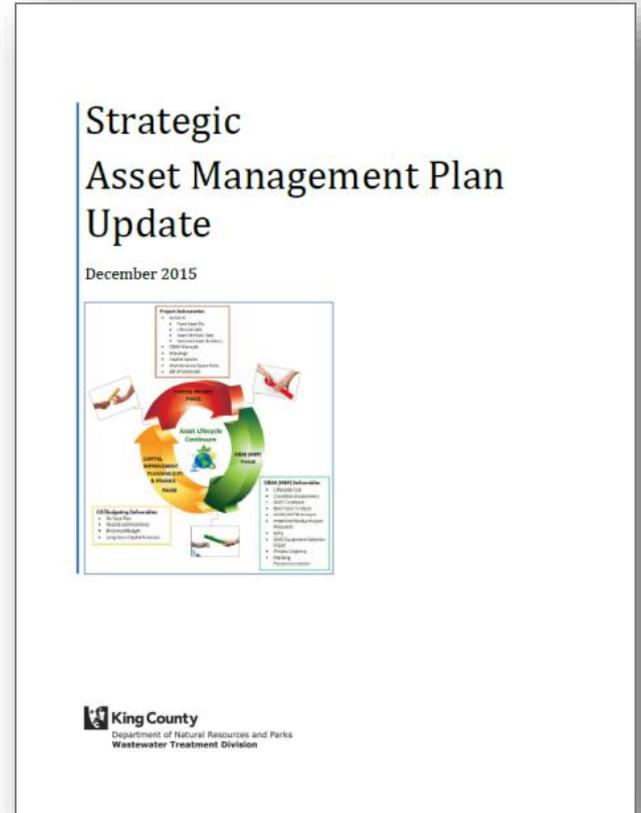
WTD Asset Management Program

- ▶ WTD manages over 50,000 assets, including:
 - Equipment (including software & data)
 - Infrastructure
 - Roofing, paving, corrosion protection
 - Structures



WTD Asset Management Program

- ▶ Strategic Asset Management Plan (SAMP)
 - Started in 2005
 - Updated every 5 years
- ▶ Work Plan – reviewed every year



Work to be done

- ▶ Updates to both the SAMP and the Work Plan in 2018
- ▶ Build upon 2015 SAMP
- ▶ Asset Management Objectives and Alignment of Actions to Goals

Goals, Objectives, Strategies

- ▶ Align WTD asset management with Department and Division Goals.
- ▶ Link goals to objectives to strategies that drive actions to implement asset management.



Asset Management Program Goals

- ▶ Inventory of assets, where they are, and their condition
- ▶ Minimize Risk in our system
- ▶ Incorporate financial data into asset management decision making
- ▶ Communicate the Plan
- ▶ SAMP and Work Plan guide the program

Inventory of assets we own, where they are, and their condition

- ▶ Asset definition and
- ▶ Asset Registry and data collection
- ▶ Data Management
- ▶ Information Systems & IT



Minimize Risk in our System

- ▶ Maintenance Best Practices (MBP) development
- ▶ Developing risk assessment framework
- ▶ Advance reliability engineering

Incorporate Financial Data

- ▶ Life Cycle Cost Management
- ▶ Funding sources for asset management
- ▶ Renewal needs planning



Implement and align SAMP/Work Plan

- ▶ Define ongoing and new work
- ▶ Detailed work planning, resource needs and funding
- ▶ Two year, two – six years and plus six year outlook
- ▶ Resourcing and sequencing work plan

Next Steps

- ▶ Continued development of the SAMP and Work Plan
- ▶ Draft SAMP in mid–November, submittal in December for WTD Director’s approval
- ▶ Implement the SAMP and linkage to other Division activities
- ▶ Keep MWPAAC informed on implementation of the Work Plan

Questions or Comments on Strategic Asset Management Plan

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