



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

May 3, 2018

Presentation Overview

- ▶ WTD Asset Management Program
- ▶ Motion 14883
- ▶ HDR Report
- ▶ Update Process



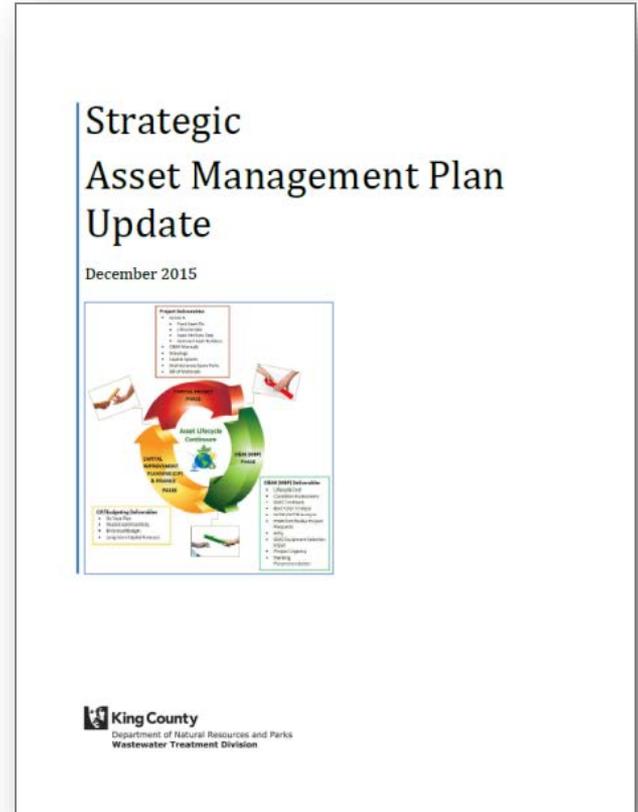
WTD Asset Management Program

- ▶ 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 – updated every year



Motion 14883 Overview

- ▶ West Point event highlighted role of asset management in replacement/maintenance of critical equipment and systems
- ▶ Review of the SAMP
 - Focus on system critical capital infrastructure
 - Opportunities to modify and strengthen SAMP

WTD SAMP Review

- ▶ Presented to the King County Council in January 2018
- ▶ Identified systemwide strategies and opportunities to strengthen Asset Management Program
- ▶ Recommended focus on strategic objectives of SAMP and effectiveness of processes currently in place

Asset Management Program Strengths

- ▶ Established framework
- ▶ Maintenance Best Practices
- ▶ Dedicated asset management staff positions
- ▶ Capacity service levels and investment
- ▶ Asset register and management principles
- ▶ Processes in place

Many asset management elements are performing at or above what are required and as would be expected for a program of WTD's size

Program Improvement Opportunities

- ▶ Strengthen foundational components
 - Align asset management program goals to WTD goals
 - Describe and prioritize goals with action items
 - Categorize SAMP strategies to align with typical asset management elements
- ▶ Improve asset management as tool for use in financial decision making

Work to be done

- ▶ Updates to both the SAMP and the Work Plan in 2018
- ▶ Updates to be done internally
 - SAMP Update led by Planning Group
 - Work Plan Update led by Asset Management Group

Scope of Work – SAMP Update

- ▶ Build upon 2015 SAMP
 - Ensure alignment of goals and that asset management is integrated across the Division
 - Complete foundational work with asset identification and data systems
 - Align with other WTD initiatives

Scope of Work – SAMP Update

- ▶ 2018 SAMP Update to include
 - Recommendations from Council Report
 - Asset Management Objectives and Alignment of Actions to Goals
 - Work Plan Planning Approach
 - Resource Needs and Funding Strategy

Update Work Plan

- ▶ Align with SAMP
- ▶ Define ongoing and new work
- ▶ Detailed work planning, resource needs and funding
- ▶ Two year outlook

Next Steps

- ▶ Development of Scope
- ▶ Fall MWPAAC briefing

Questions or Comments on Strategic Asset Management Plan

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