



King County

Department of
Natural Resources and Parks

Wastewater Treatment Division

Initial Findings from Evaluation of WTD's Strategic Asset Management Plan

Presentation to MWPAAC
December 13, 2017

Presentation Overview

- ▶ WTD Asset Management Program
- ▶ Project Driver
- ▶ Consultant Scope of Work
- ▶ Project Status
- ▶ Assessment Process
- ▶ Initial Findings and Potential Recommendations

WTD Asset Management Program

- ▶ WTD manages over 50,000 assets, including
 - Equipment
 - Infrastructure
 - Roofing, paving, corrosion protection
 - Structures



WTD Asset Management Program

- ▶ Strategic Asset Management Plan (SAMP) – updated every 5 years
- ▶ SAMP Work Plan – updated every year

Strategic Asset Management Plan Update

December 2015



Project Driver

- ▶ 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
- ▶ King County Council Motion 14883
- ▶ Report to Council 180 days after Independent Assessment delivered to Council

Consultant Scope of Work

- ▶ Review WTD Asset Management Program process and implementation
- ▶ Identify systemwide strategies and opportunities to strengthen Asset Management Program
- ▶ Focus on strategic objectives of SAMP and effectiveness of processes currently in place

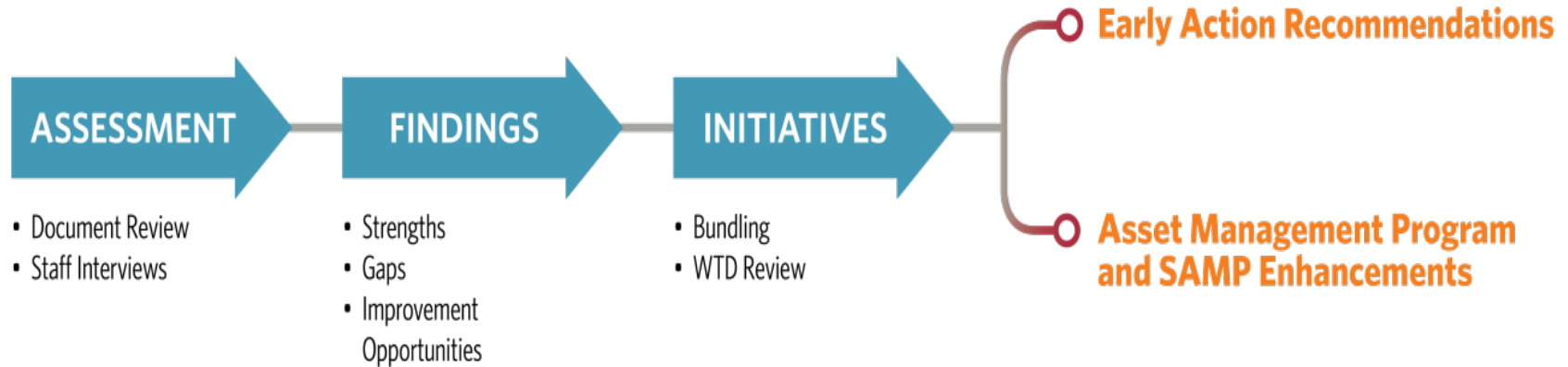
Project Status

July	August	September	October	November	December	January
Contract/scope negotiations	Conduct evaluation & identify recommendations		Draft report to WTD	Develop final report & management review		★ Final Report to KC Council



Assessment Process

ASSESSMENT PROCESS



Assessment Process

▶ Document review

- Past SAMPs
- ~125 documents and data sources

▶ Interviews

- 26 interviews of over 60 WTD staff
- Represent wide range of WTD staff and management

▶ Workshop

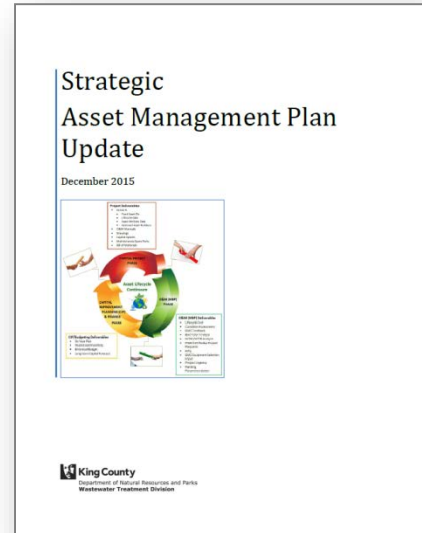
- Consultant and WTD staff and management
- Reviewed and prioritized initial strategic recommendations

Assessment Initial Findings

Strategic Asset Management Plan

SAMP Initial Findings

- ▶ WTD one of first utilities in Pacific NW to develop SAMP
- ▶ SAMP successes:
 - Documents goals, objectives, and action items
 - Identifies success measures for each action item
 - Describes programs to support asset management
- ▶ SAMP improvements:
 - Align asset management program goals to WTD goals
 - Describe, prioritize goals and strengths with action items
 - Manage and coordinate actions like a program
 - Categorize SAMP strategies to align with typical asset management elements



Assessment Initial Findings

Asset Management Program

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 and improve access
- ▶ Better communicate program goals and priorities
- ▶ Improve asset management as tool for decision making

Potential Recommendations

To strengthen SAMP and WTD AM Program:

1. Begin or continue Early Action Recommendations
2. Update SAMP document in 2018
3. Update Asset Management Program Work Plan

Questions?

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