

# Recommended Best Management Practices for Infiltration/Inflow (I/I) Reduction

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Engineering and Planning Subcommittee



**King County**

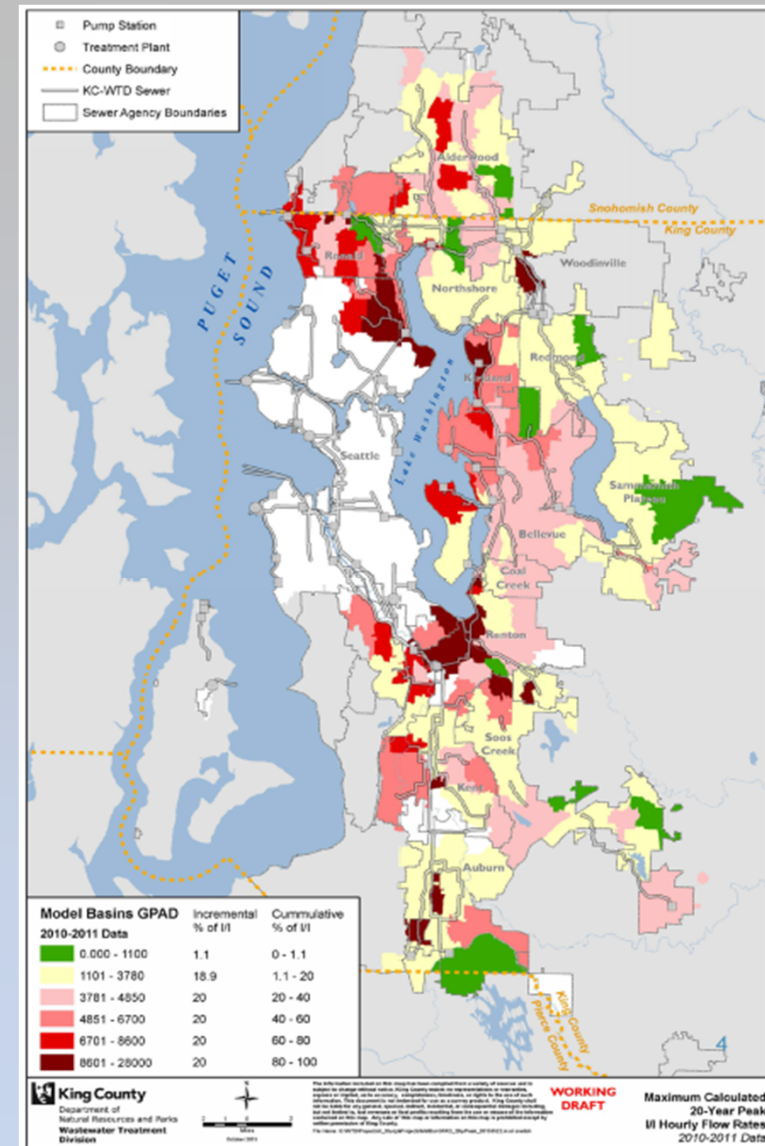
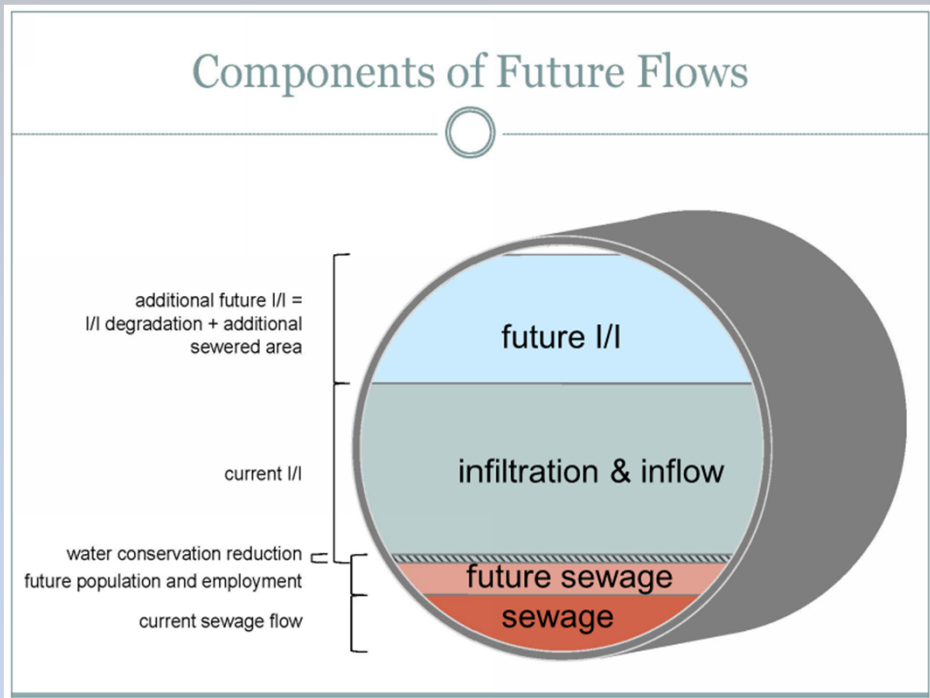
Department of Natural Resources and Parks  
**Wastewater Treatment Division**

# Agenda

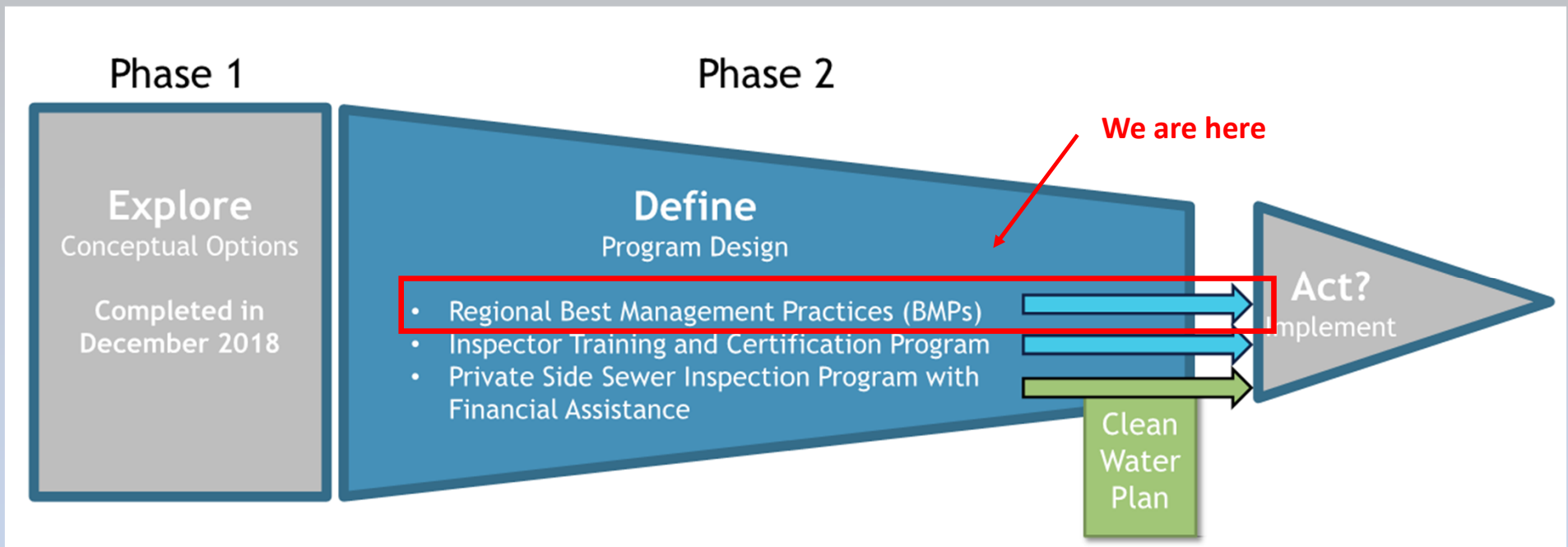
- I/I Reduction Program Overview
- 4 Recommended Best Management Practices (BMPs)
- Implementation
- Feedback
- Revise or approve recommended options

# I/I in the Regional Wastewater System

- 50-70% of I/I is from private side sewers
- As much as 3/4 of pipe capacity used up by I/I



# Overview of I/I Reduction Program



## Objectives of Best Management Practices (BMPs)

- Intends to reduce existing I/I
- Targets largest single source of I/I
- Implemented by local agencies voluntarily
- Recommends consistency throughout regional system
- Educates customers to take care of their side sewers
- Alerts customers to potential blockages

## Regulations to Prohibit Unauthorized Connections

- Adopt new or revise existing codes to require customers to remove unauthorized connections
- Provide enforcement mechanisms
- Require only one side sewer connection from each structure to the main
- Connect side sewer only to appropriate fixtures

## Notify Customer about Roots in Side Sewer

- Observe roots in side sewers during routine CCTV inspections of public sewer mains
- Provide door hanger or letter to customer
- Will help avoid blockages
- Will avoid roots extending into public sewer mains

## Provide Side Sewer Maintenance Information

- Side sewer maintenance guidelines for customers
- Information on resources and methods to maintain side sewers
- Helps customers avoid blockages



## **Provide Illicit Source Disconnection Educational Materials**

- Educational materials for customers about illicit connections (roof leaders, area drains, window well drains, foundation drains)
- Suggestions to redirect these flows to acceptable areas (rain gardens, landscaping, infiltration trenches)

## Implementation

- WTD prepares regional toolkit with example code language and side sewer education materials
- Local agencies adopt code language or work with cities served to adopt code language
- Local agencies customize materials for their customers
- Local agencies provide side sewer education materials to their customers

**Action Item: Should MWPAAC recommend to WTD that the BMP measures be implemented?**

- Approve
- Revise
- Reject

**Action Item: Discussion and Approval of Recommendation Letter to WTD**

# Questions?

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