

Recommended Options for Infiltration/Inflow (I/I) Reduction

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**Lisa Tobin
Engineering and Planning
Subcommittee Chair**



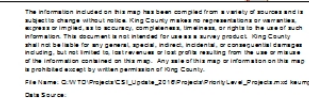
King County

Department of Natural Resources and Parks
Wastewater Treatment Division

Agenda

- I/I Overview
- Recommended options for more evaluation
- Next phase of evaluation
- Feedback
- Revise or approve recommended options

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



Goal for I/I Reduction Program

Explore and evaluate I/I Program concepts to:

- Prevent or reduce future I/I
 - Reduce existing I/I
 - Reduce scope of future conveyance projects in the separated sewer portion of the regional wastewater system
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- ❖ Slated to spend \$1.7 billion on new pipes through 2060 for growth and I/I

Option 1 – Regional Best Practices

- 3 – 5 standard procedures to be used regionally for new construction, repair, rehabilitation, and/or demolition
- Intended to prevent future I/I

Option 2 – Inspection Training and Certification

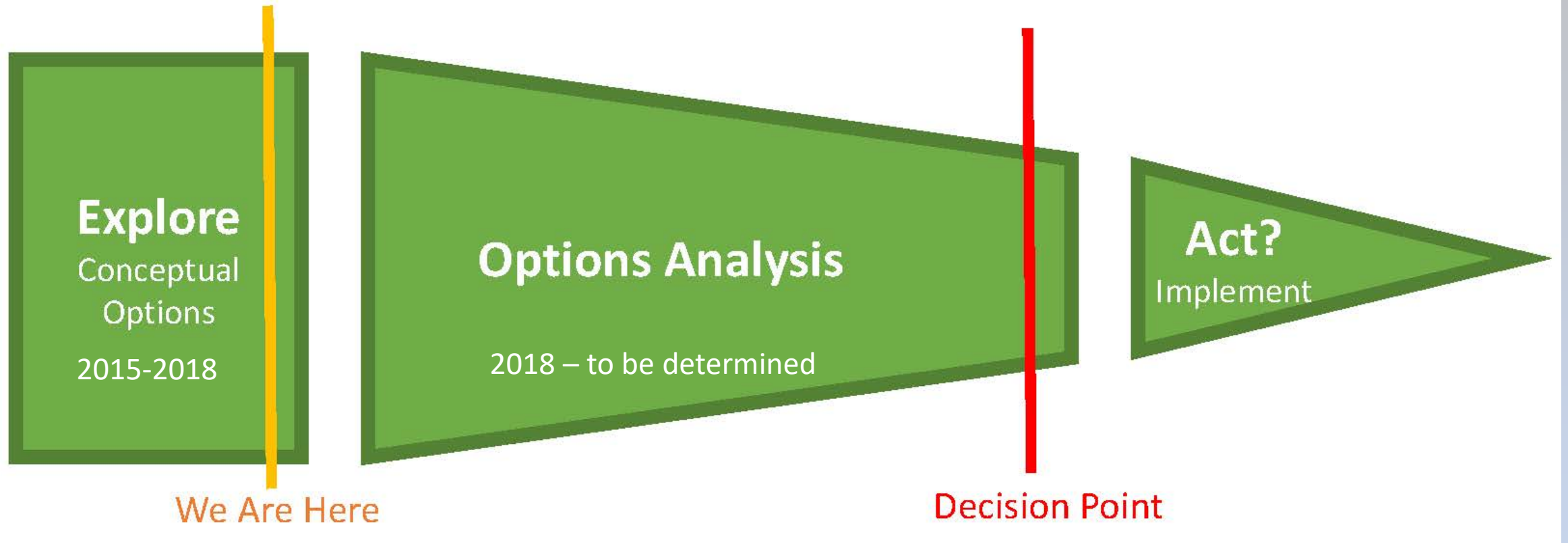
- Develop and/or host sewer inspector training and certification program
- Intended to prevent future I/I

Option 3 – Side Sewer Inspection Program

- Side sewers inspected periodically and/or at point of sale
- Repairs or replacements if I/I detected
- Grants or loans available
- Intended to reduce existing I/I

E&P with WTD

I/I Reduction Program Schedule



Next Steps

- MWPAAC provides recommendation to WTD
- WTD, in collaboration with MWPAAC, develops scope of work for next Evaluation Phase including the timeline for evaluating costs/benefits



Action on Recommendations

- Option 1 – Regional Best Practices
- Option 2 – Inspection Training and Certification
- Option 3 – Side Sewer Inspection Program

Questions?

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