

# City of Alexandria and Alexandria Renew Enterprises

## Combined Sewer System Permit and Long Term Control Plan Update

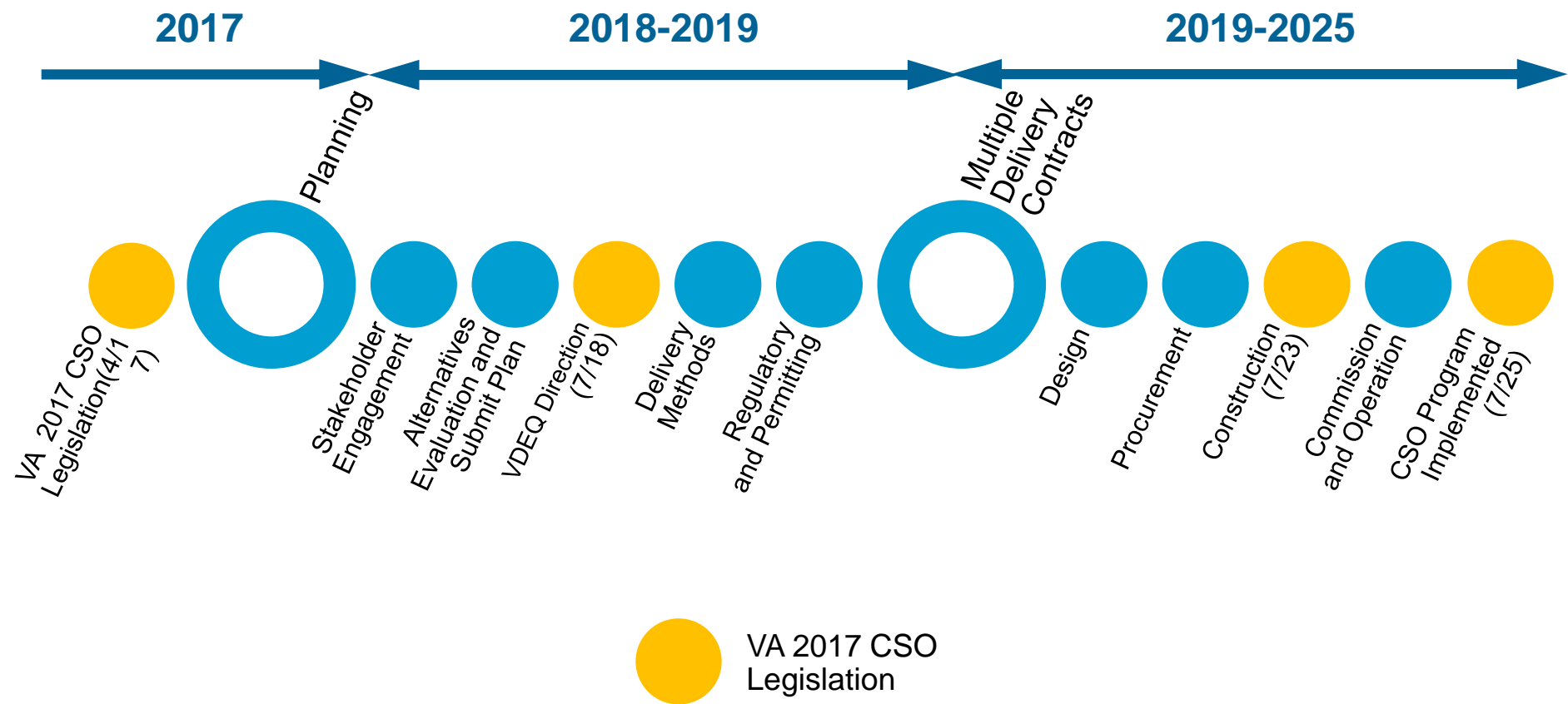
April 10, 2018



# Presentation Outline

- 2017 CSO Legislation
- Stakeholder Process
- Technical Options and Performance
- Recommendation
- Next Steps

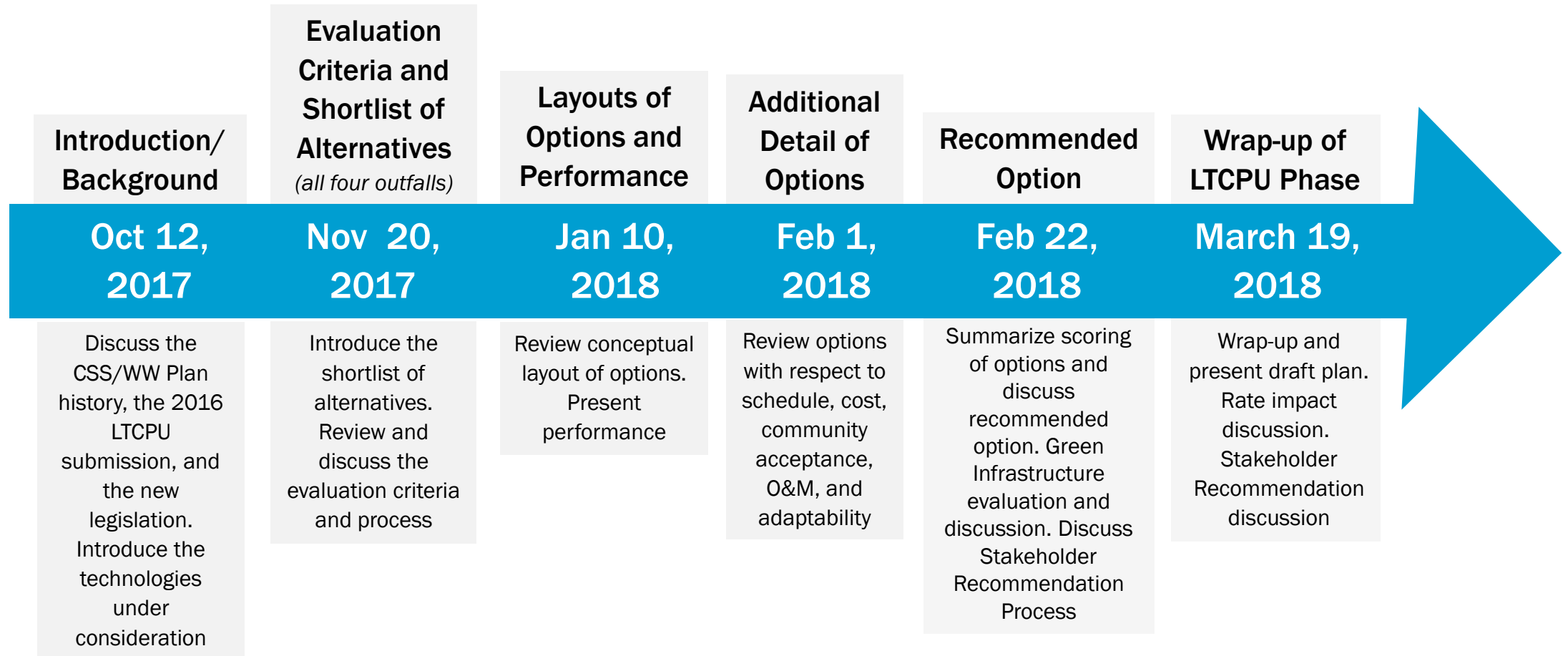
# 2017 CSO Legislation requires addressing all CSO outfalls by 2025, with interim milestones established



# Stakeholder Process



# CSS Stakeholder Process Timeline



# Current CSS Stakeholder Members

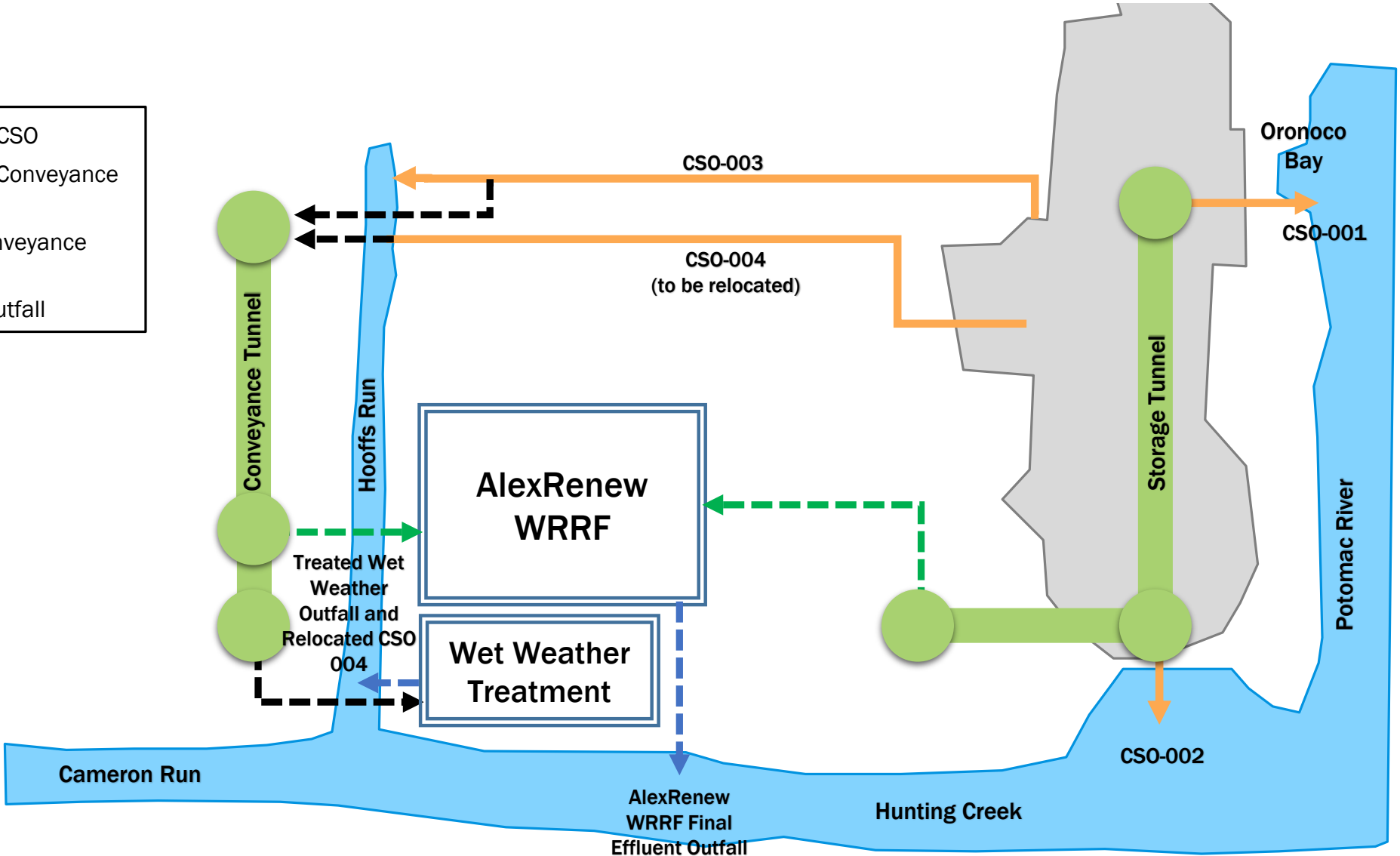
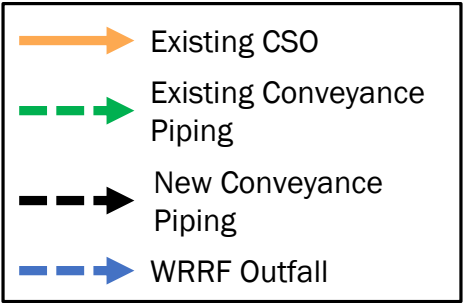
Name	Organization
<b>Agnes Artemel</b>	At-Large: Oronoco/Rivergate/Tobacco Quay
<b>Liz Birnbaum</b>	Park and Recreation Commission
<b>Yvonne Callahan</b>	Old Town Civic Association
<b>Andrew Duncan</b>	Chamber of Commerce
<b>Lauren Glose</b>	At-Large: Citywide
<b>John Hill</b>	Alexandria Renew Enterprises
<b>Kate Mackenzie</b>	At-Large: Porto Vecchio/Bridgeyard
<b>Skip Maginniss – Chair</b>	Budget and Fiscal Affairs Advisory Commission
<b>Stephen Milone</b>	Environmental Policy Commission
<b>Erik Olson</b>	North Old Town Independent Citizens Association
<b>Dixie Sommers</b>	Environmental Advocacy: Friends of Dyke Marsh
<b>Jack Sullivan</b>	At-Large: Citywide
<b>Chuck Weber</b>	Old Town Civic Association
<b>Ivy Whitlatch</b>	Alexandria Archaeological Commission



# Technical Options and Performance

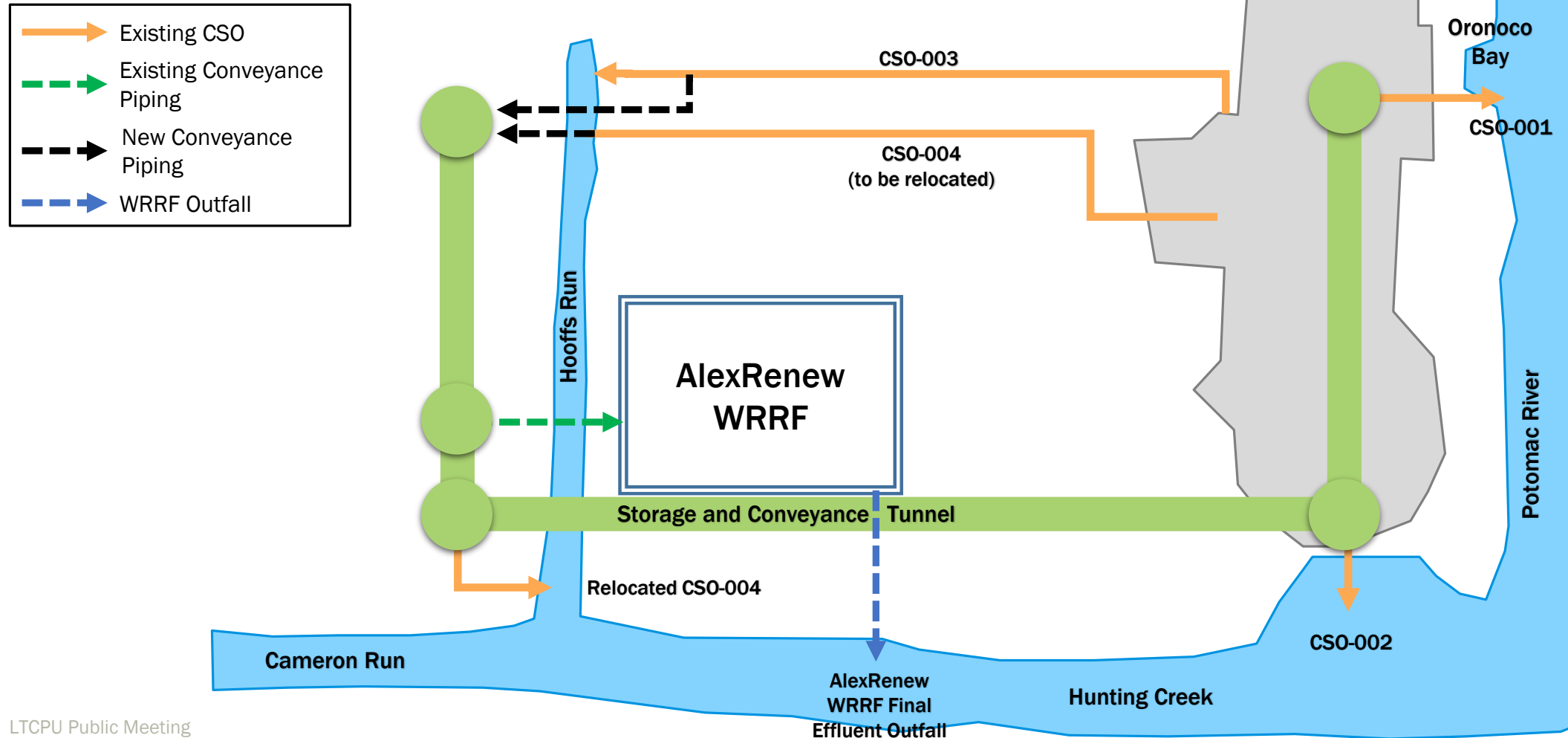


# Option A: Separate Tunnels with Wet Weather Treatment



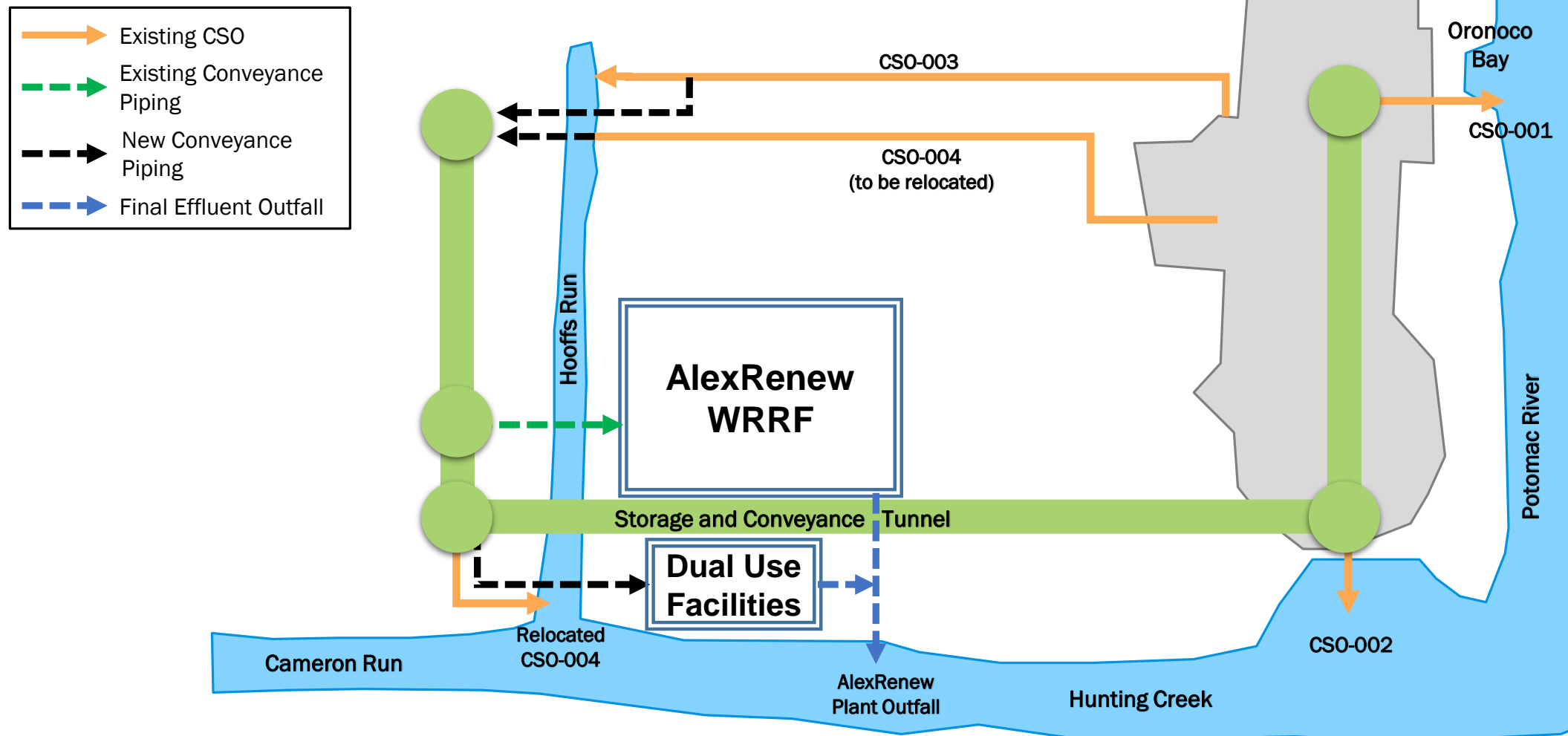


# Option B: Unified Tunnel

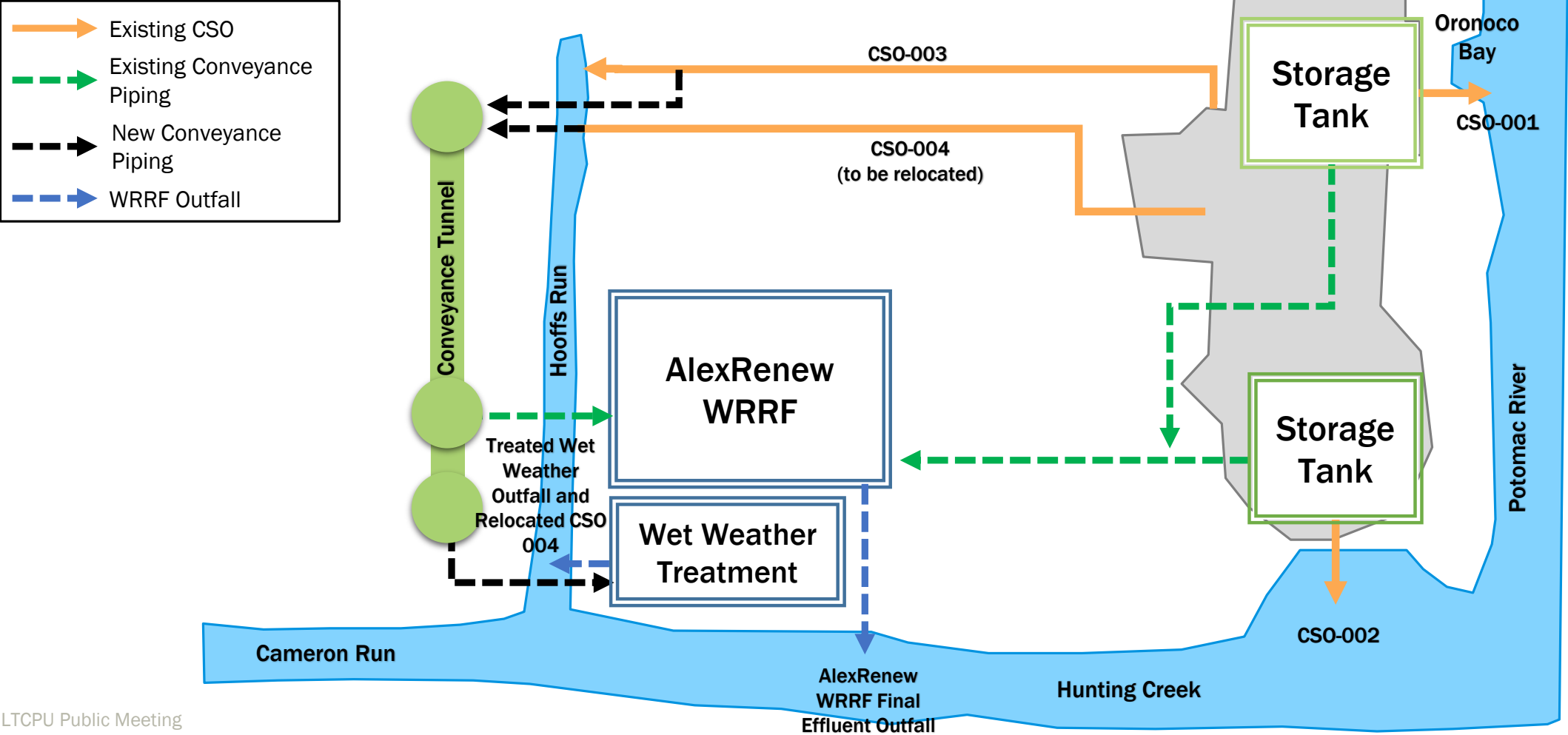


# Option B+

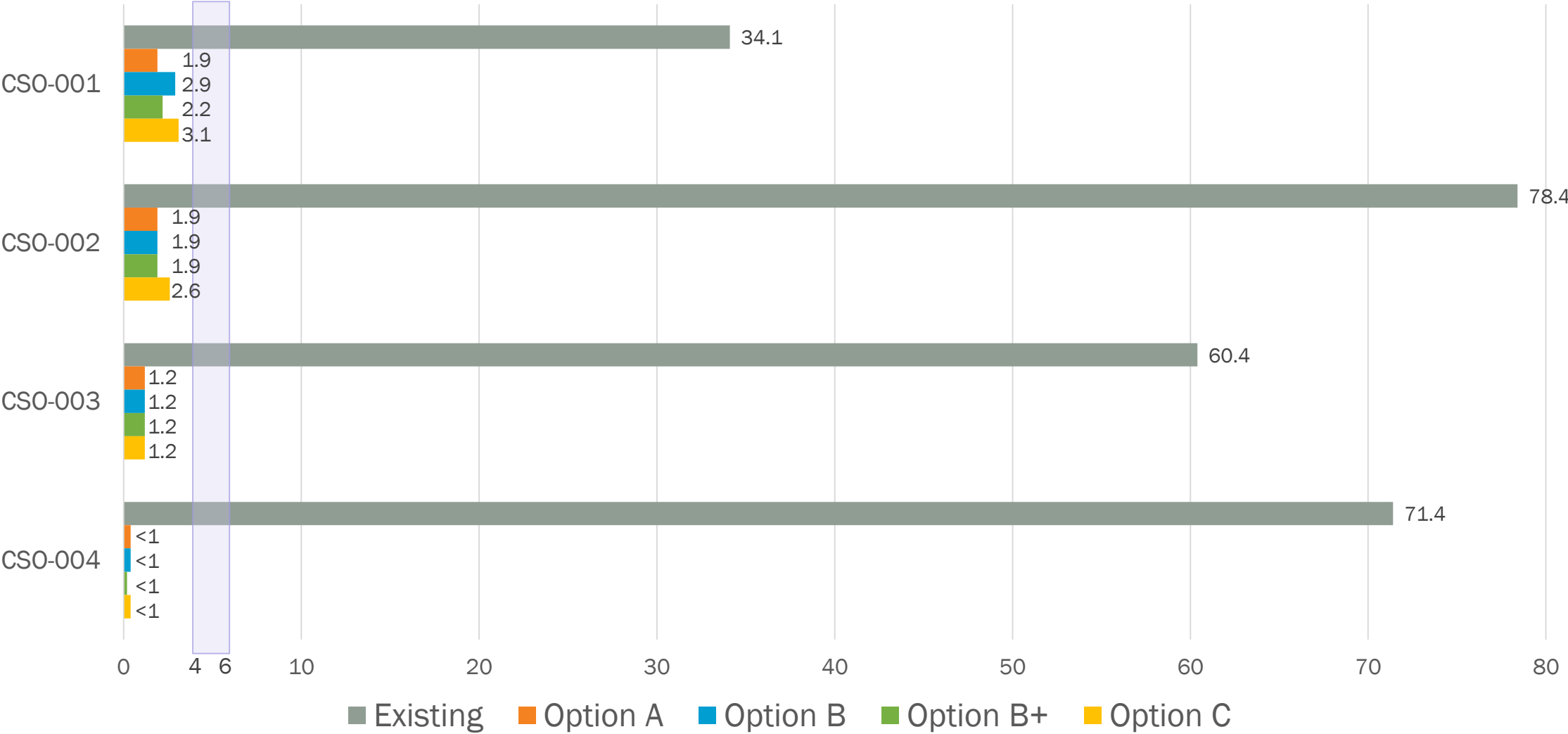
## Unified Storage Tunnel with Dual Use Facilities



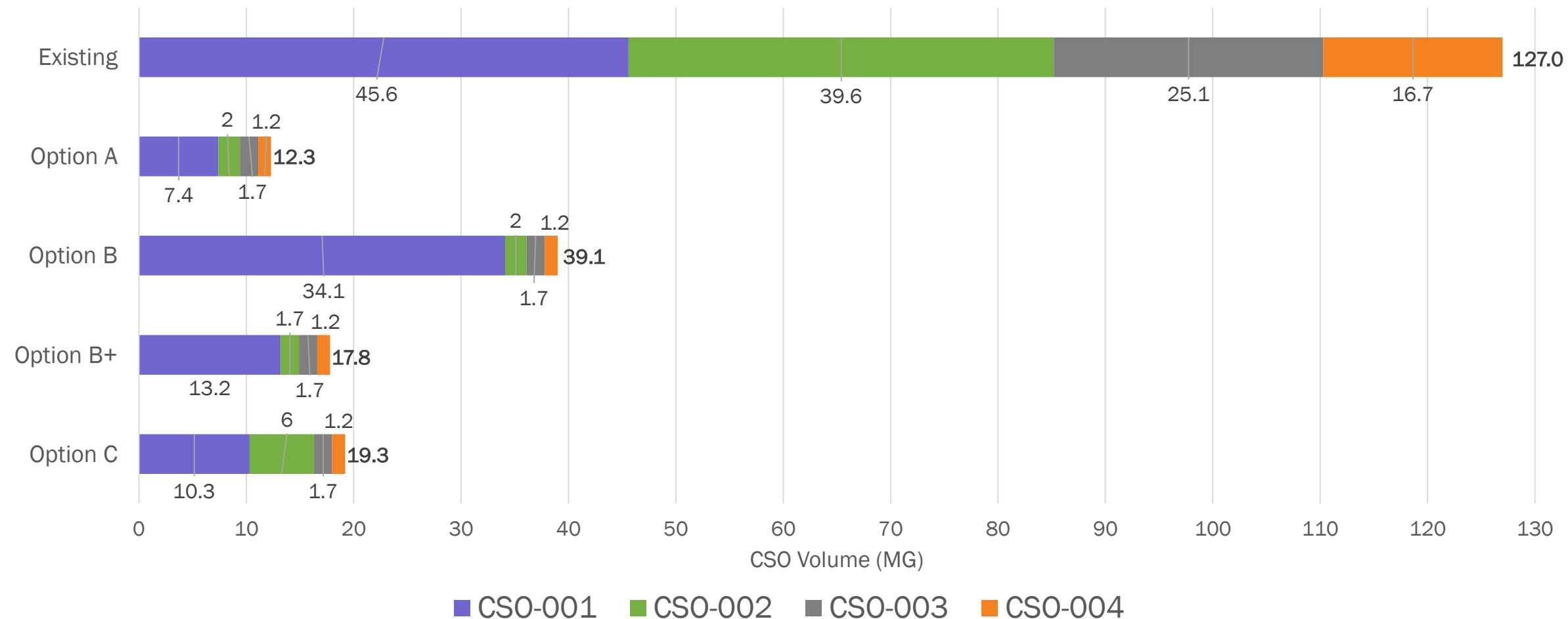
# Option C: Tunnel and Tanks with Wet Weather Treatment



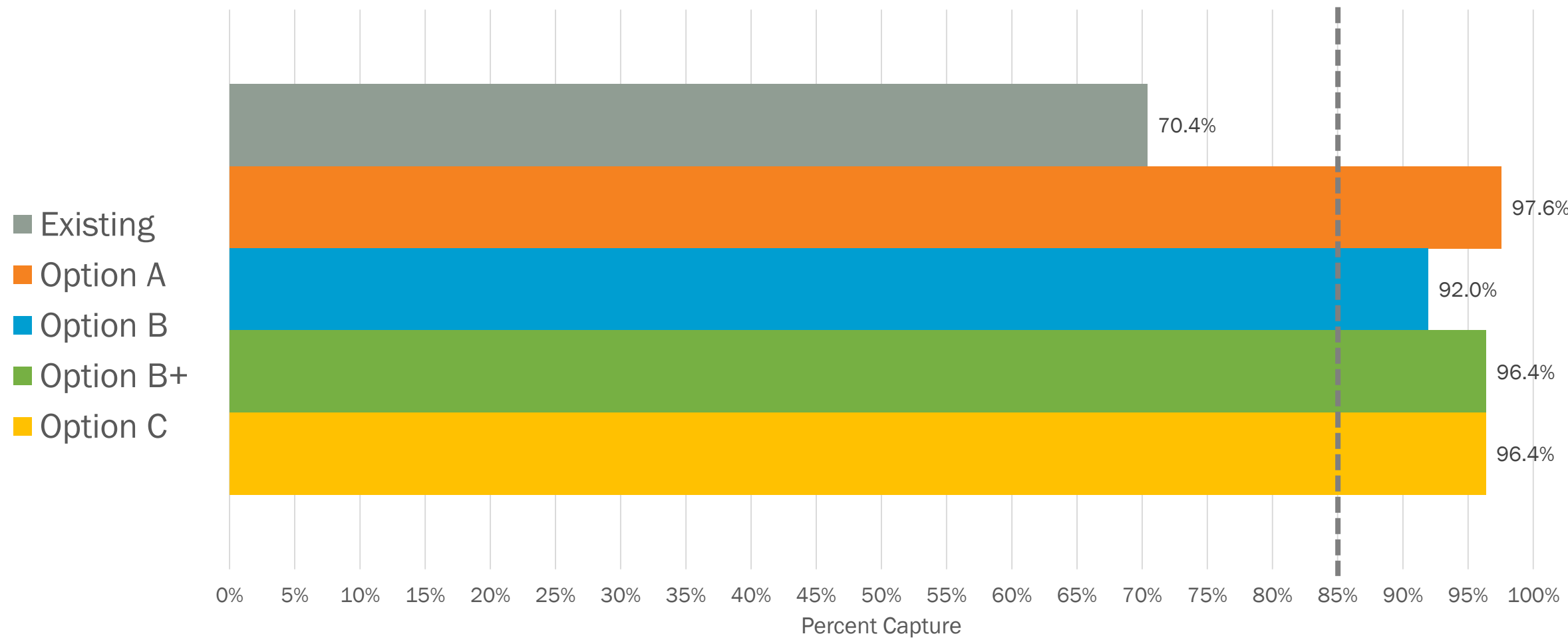
# Performance: Average Number of Overflows 2000-2016



# Performance: Average Volume of Overflows 2000-2016



# Performance: Average Percent Capture 2000-2016





# Recommendation



# Recommendation

**City/AlexRenew Team and Stakeholder Group recommend, Option B+ = Unified Tunnel with dual use facility (wet weather treatment), as the combined sewer system control strategy to accomplish the City's goals and permit requirements**

- Meets the regulatory requirements
- Lowest cost option
- Minimizes impact to the community
- Most adaptable solution
- Preserves space at AlexRenew

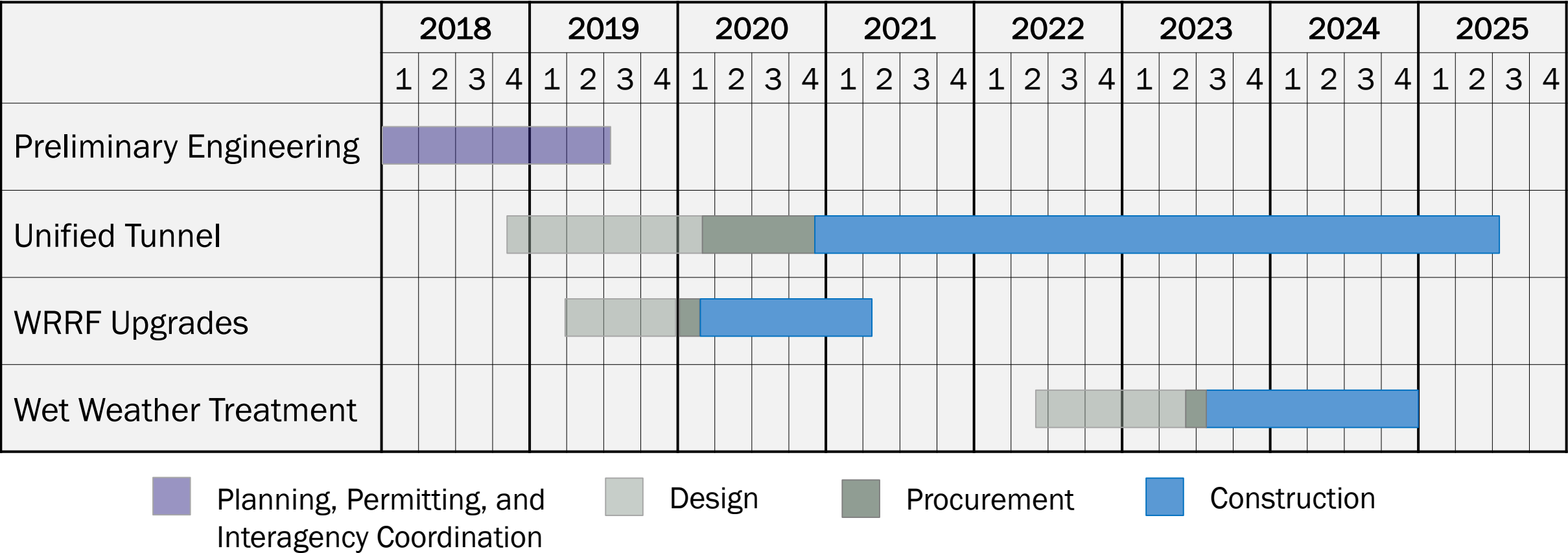
**The overall schedule and costs presented are a reasonable balance of cost and complying with the legislative mandate**

# Next Steps



# Long Term Control Plan Implementation Schedule

- City will transfer permit and assets to AlexRenew
- AlexRenew will lead the implementation of the LTPCU, with support from the City



# Long Term Control Plan Update Timeline

- **Friday, March 23**      LTCPU Public Comment Period Started
- **Thursday, April 5**      LTCPU Public Meeting Held
- **Tuesday, April 10**      City Council Legislative Meeting
- **Saturday, April 14**      City Council Public Hearing
- **Tuesday, April 17**      AlexRenew Board Meeting
- **Monday, April 23**      LTCPU Public Comment Period Ends
- **Tuesday, April 24**      City Council Legislative Meeting

# What happens next?

- City Council authorization to submit
- LTCPU Submission to DEQ
- Transfer of assets – City/AlexRenew partnership
- Continued Community Engagement going forward
  - Preliminary engineering
  - Permitting and land use approvals
  - Design
  - Construction