

Regional Water Quality Committee

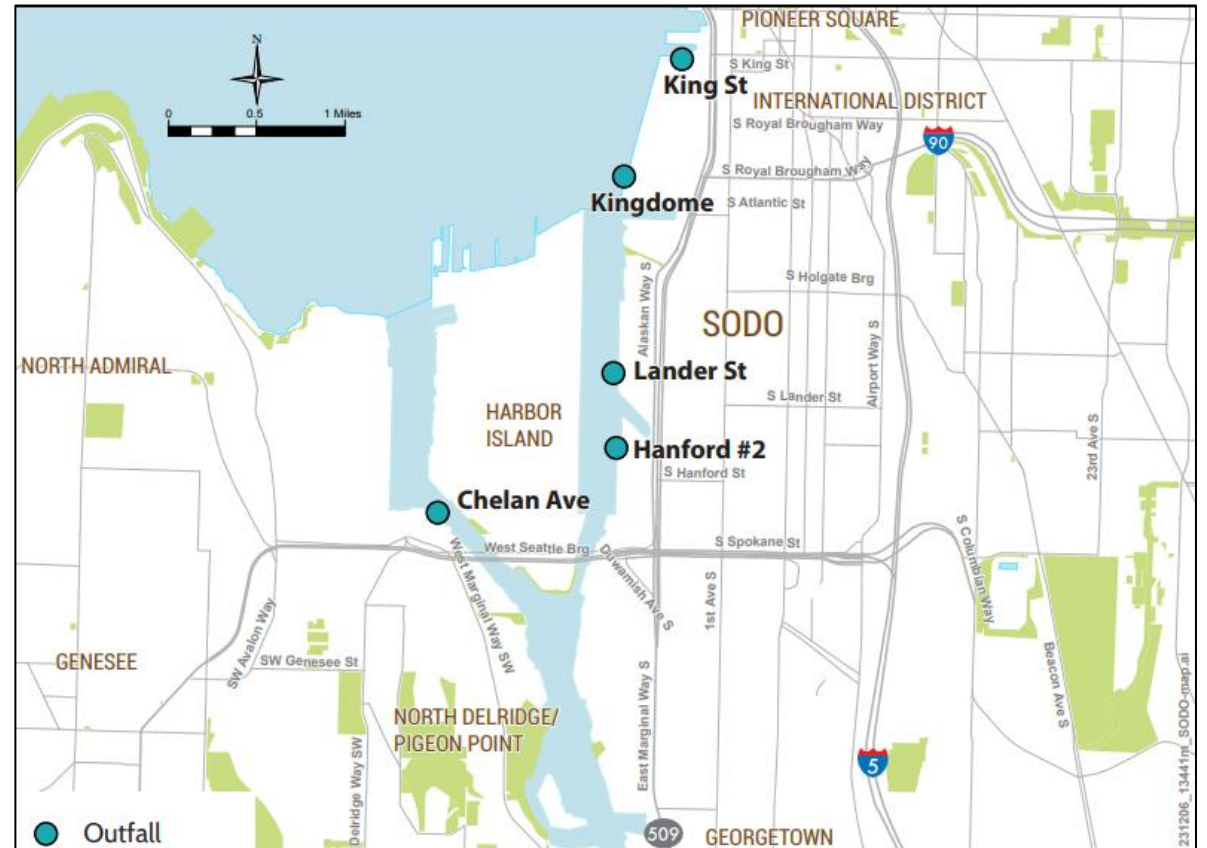
Follow-up to 2026 Sewer Rate Presentation:

*Additional Information and Alternative Analysis
on Mouth of Duwamish CSO*

May 7, 2025

Agenda

- CSO Consent Decree obligations for the Program
 - Timeline
 - Standard
- Identifying the Best Solution



MDCSO Consent Decree Milestones

- Requirement: Comply with federal and state laws
- Milestones*:
 - Submit Engineering Report by Dec 31, 2026
 - Complete Bidding by July 31, 2029
 - Complete Construction by December 31, 2034

2013 Federal
Consent Decree
(Case 2:13-cv-
00677).

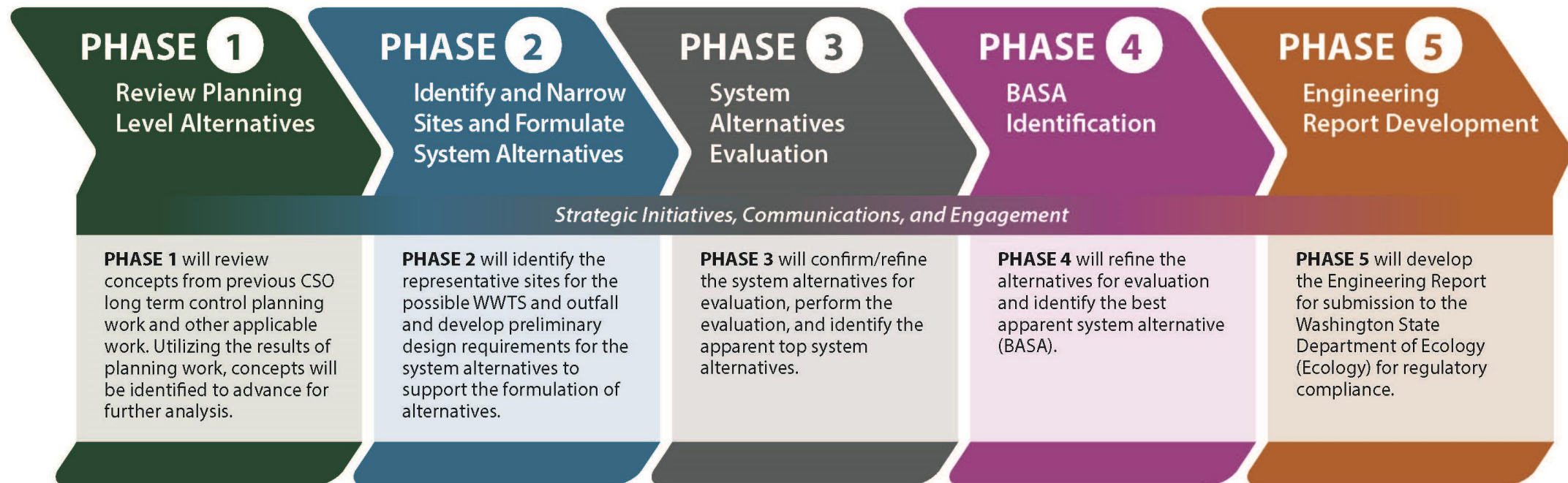
Clean Water Act

RCW 90.48.480,
Chapters 173-245, 173-
201A, 173-204 WAC

*Note: A modification to the 2013 consent decree has been negotiated between the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology) and King County. Approval by the federal court is pending.

Engineering Report Development Process

We are here



Alternatives Evaluation Process Overview – CSO LTCP

Since the 2012 Long Term Control Plan (LTCP), WTD has narrowed from over **60 planning level concepts**.

Alternatives considered wide range of **CSO control methods**:

- Wet weather treatment stations
- Storage tanks/tunnels
- Green stormwater infrastructure
- Sewer separation



Informational Interviews/Briefings to Organizations

Alliance for Pioneer Square

Duwamish Tribe

Puget Soundkeeper Alliance

Seattle Ballpark Public
Facilities District

Washington Conservation Action

Chinatown International District BIA

Chinese Information and
Service Center

Interlm CDA

Georgetown Community Council

Duwamish River Community
Coalition

Manufacturing and Industrial
Council (MIC)

SODO Business Improvement
Area (BIA)

City of Seattle Indigenous
Advisory Council

Approximately 60 organizations identified to engage and assess interest in Program briefings, potential partnership, involvement in workforce effort.

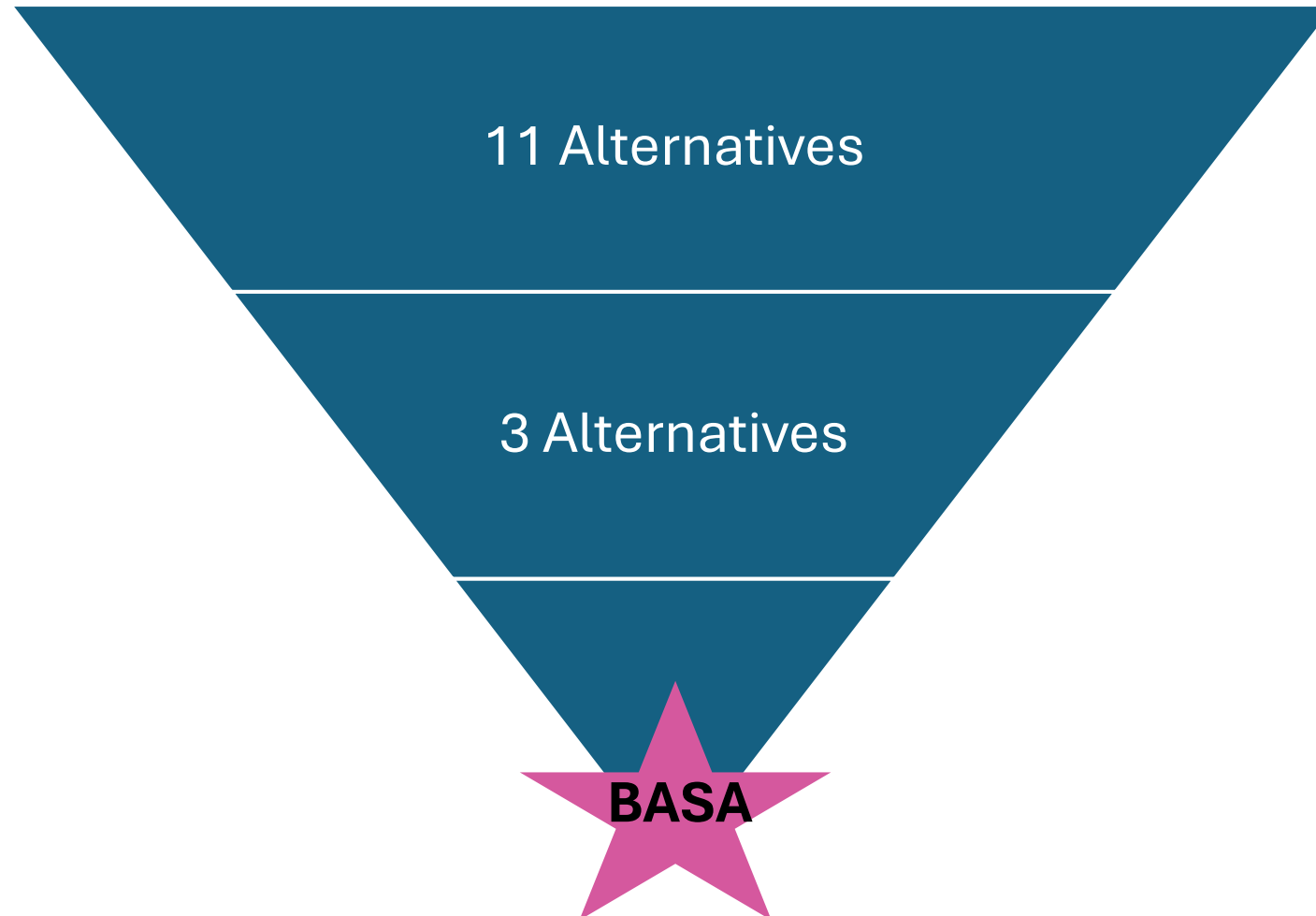
Alternatives Evaluation Criteria

Summary of criteria for evaluating facility configurations:

- Tier 1
 - Community and Social Impact
 - Environmental Impacts
 - Operations and Maintenance
 - Schedule
 - Cost / Cost Risk
- Sub-tier 2 focuses on increasing detail around the Tier 1 criteria

<i>Tier 1</i>	<i>Tier 2</i>	<i>Criteria</i>
1		1.0 Community, Social Justice, and Good Neighbor
	1.1	1.1 Short-term Construction Impacts
	1.2	1.2 Potential Negative Long-term Community Impacts
2		2.0 Environmental Impacts
	2.1	2.1 Adverse Impacts to Wetlands, Streams, and/or Shorelines
	2.2	2.2 Impacts to Fish, Wildlife, and Endangered Species and Habitat Improvement Sites
	2.3	2.3 Interaction with Sites Containing Contaminated Soil, Groundwater, and Sediments
	2.4	2.4 Impacts to Cultural Resources
	2.5	2.5 Ability to incorporate Stormwater Treatment
	2.6	2.6 Net Embodied Carbon
	2.7	2.7 Impacts to Tribal treaty rights
3		3.0 Operations and Maintenance
	3.1	3.1 Treatment Station Site Flexibility
	3.2	3.2 Conveyance Operations
	3.3	3.3 Outfall Operations
4		4.0 Schedule
	4.1	4.1 Permitting Complexity
	4.2	4.2 Mitigation Complexity
	4.3	4.3 Consistency with Code Requirements
	4.4	4.4 Ability to Acquire Property/Easements
	4.5	4.5 Schedule Impacts of Property/Easement Acquisition
5		5.0 Cost / Cost Risk
	5.1	5.1 Reduce Construction Risk
	5.2	5.2 Minimize Initial Capital Costs

Alternatives Evaluation Process Overview – MDCSO Program



Recommended Best Apparent System Alternative

- Multiple Projects
- Control 5 CSOs
- East Waterway Cleanup pollution source control

Chelan Storage Facility
and associated conveyance
in West Seattle (Industrial
District West)



Influent Conveyance
with EBI Diversion

**Wet Weather
Treatment Station** in
SODO Neighborhood

Effluent Conveyance
and outfall in East
Waterway

Progressing Scope Definition & Cost Estimates

MDCSO Program Estimate Class Timelines

AACEi Estimate Type	Class 10	Class 5	Class 4	Class 3
Accuracy Range	-50% / +300% (or more)	-50% / +100%	-30% / +50%	-20% / +30%
Timeline	2018 - Sept. 2023	Sept. 2023 - Present	Oct. 2025 - Jan. 2026	Feb. 2026 - Aug. 2026
Status	<i>Prior Estimate</i>	Current Estimate	Future Estimate	Future Estimate
Example Scope Definition Items	Concept alternatives	Recommended system configuration	Confirm facility sites	<ul style="list-style-type: none"> • Design criteria • Geotechnical investigations • GC Estimate

Next Steps

- Develop and deliver Engineering Report to Ecology August 2025
- SEPA Environmental Review
- Notify affected property owners
- Implement public outreach around BASA
- Advance design development



Georgetown Wet Weather Treatment Station

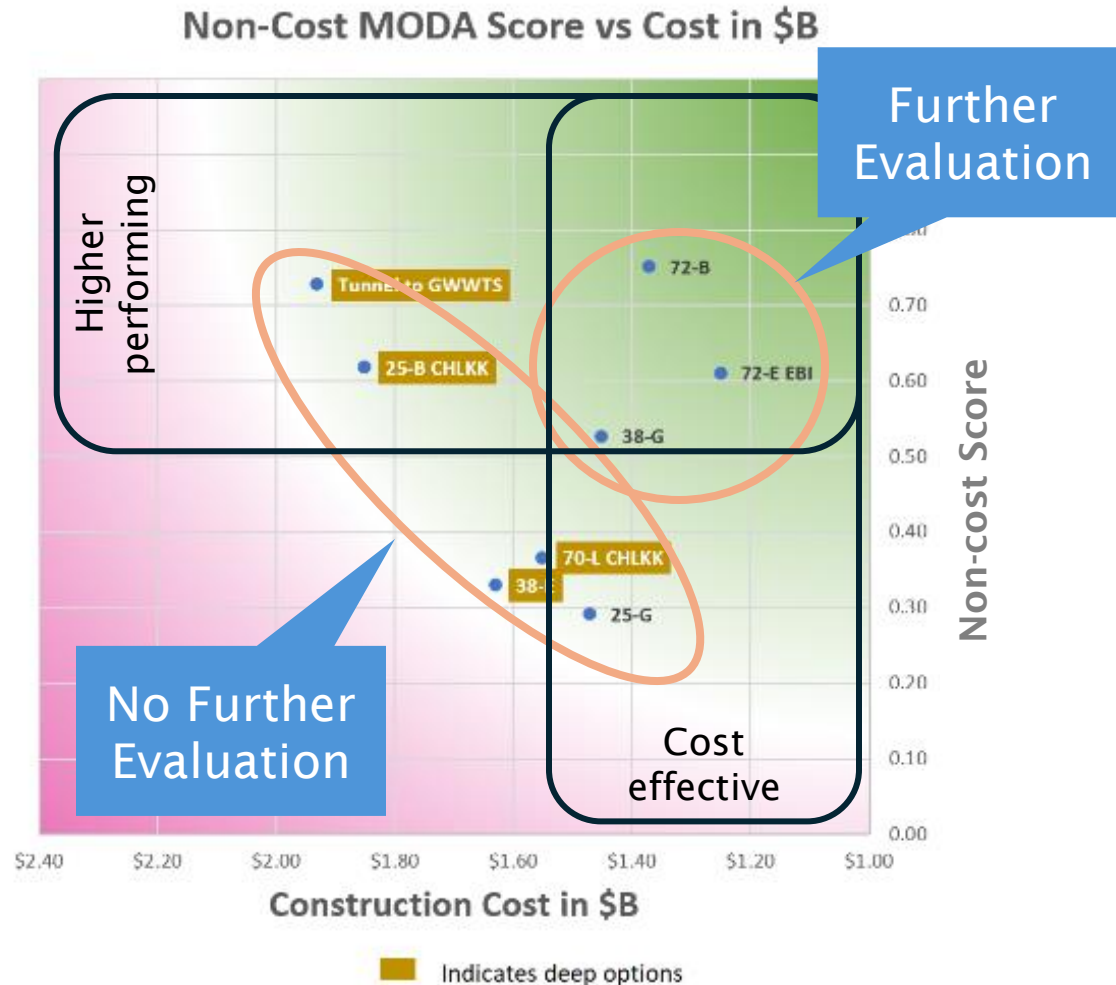
Thank you

Stan Hummel, CSO Delivery Unit
Manager



King County | Wastewater Treatment

11 Alternatives Scoring Summary



- Alternatives divided into groupings
 - Recommended for Further Evaluation
 - ✗ Not recommended for further Evaluation
 - ⊘ Constrained – Not recommended for further Evaluation