



King County

Protecting Our Waters

*Doing our part on rainy days*

# King County Combined Sewer Overflow Long Term Control Plan Update

*Metropolitan Water Pollution Abatement  
Advisory (MWPAAC) Committee*

*August 4, 2016*



# Agenda

- **Background on Combined Sewer Overflow (CSO) Program**
- **Overview of Our Effort**
  - Planning cycle
  - Overview of 2012 Plan
  - Overview of 2018 Update effort
  - Factors affecting the 2018 Update



King County

Protecting Our Waters

Doing our part on rainy days



**King County Combined Sewer Overflow (CSO) Locations with Wastewater Pipelines**

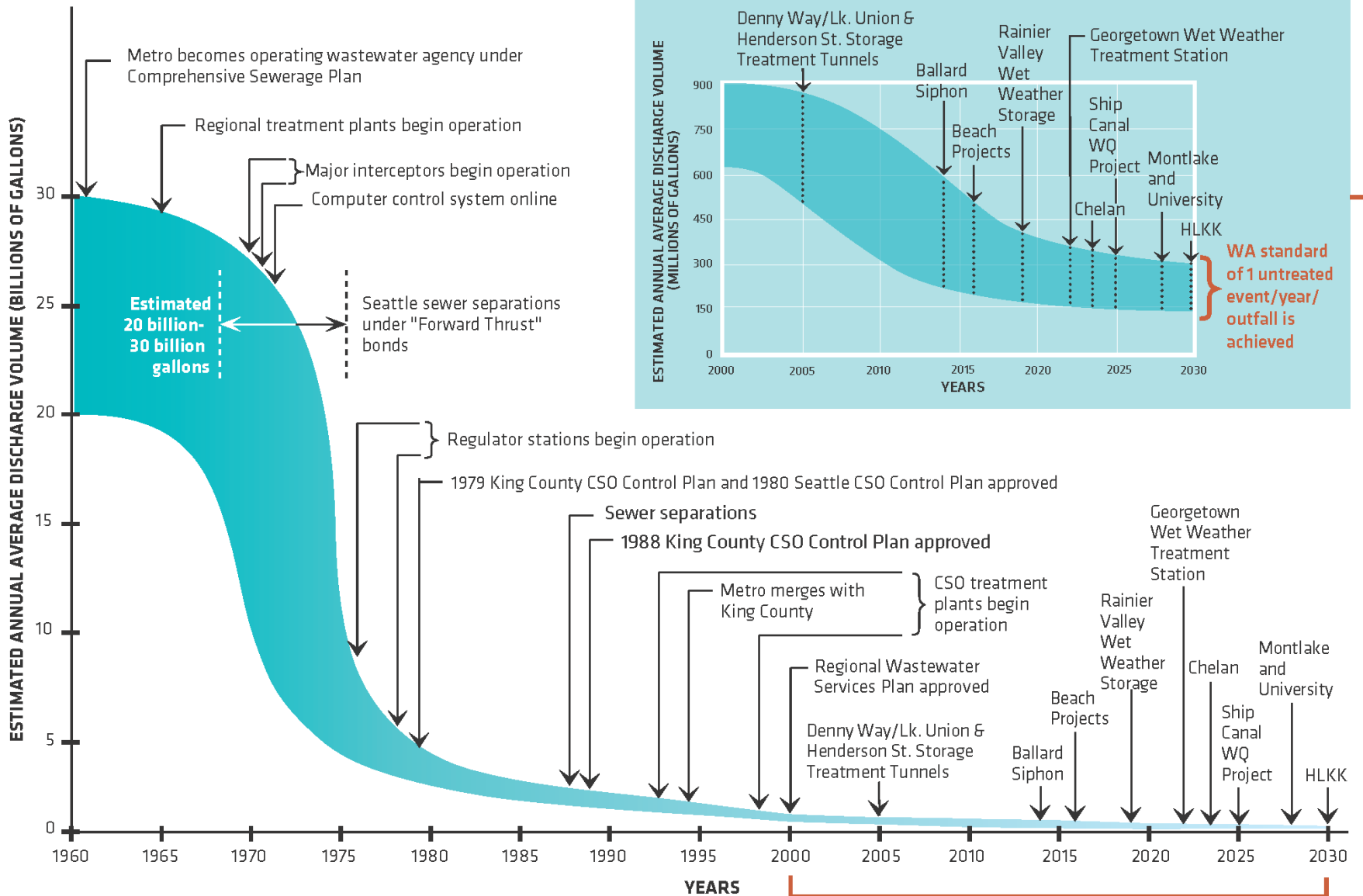
- King County CSO
- City of Seattle CSO
- CSO Treatment Plant/Facility
- Wastewater Treatment Plant
- Wastewater Pipeline
- - - - Wastewater Tunnel Section
- CSO Tunnel



## King County CSOs

### 39 CSOs

- 17 controlled, including 4 CSO treatment plants
- 22 uncontrolled





# CSO Long Term Control Plan (LTCP) Cycle

- **Review LTCP on 5-year cycle w/ NPDES Permit**
  - New technology, changes in flows and regulations
  - Uncontrolled basins
- **Council approved update of LTCP (budget)**
- **Control of all remaining CSOs by 2030**
- **2012 last update**
- **Now-2019: 2018 LTCP Update occurring**





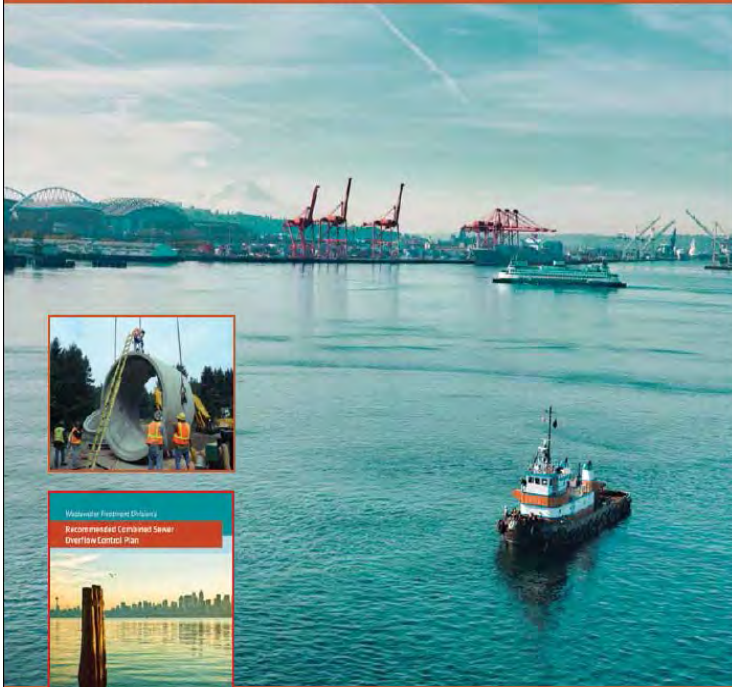
**King County**

**Protecting Our Waters**

*Doing our part on rainy days*

*King County Executive's*

## **Recommended Combined Sewer Overflow Control Plan**



*June 2012*



**King County**

Department of Natural Resources and Parks  
Wastewater Treatment Division

- **Nov 2012 – Council approved Plan**
- **March 2013 – EPA approved as a LTCP**
- **Nov 2013 – WA Dept of Ecology approved LTCP**
- **July 2013 – King County entered into Consent Decree**



**King County**

**Protecting Our Waters**

*Doing our part on rainy days*

## 2012 LTCP

- 9 projects to control remaining 14 uncontrolled CSOs by 2030
- Incorporate GSI where cost-effective and build GSI projects first
- Collaborate with City of Seattle CSO
- Current schedule is Duwamish Projects first (3 out of 4 underway)





## Current Status of CSO Control Program

- Reevaluate projects to control 9 CSOs by 2030
- Duwamish projects are underway (3 in design)
- Joint Project with SPU to control 2 CSOs in Ship Canal
- 2 projects are in construction
- 3 projects are in start up/compliance phase



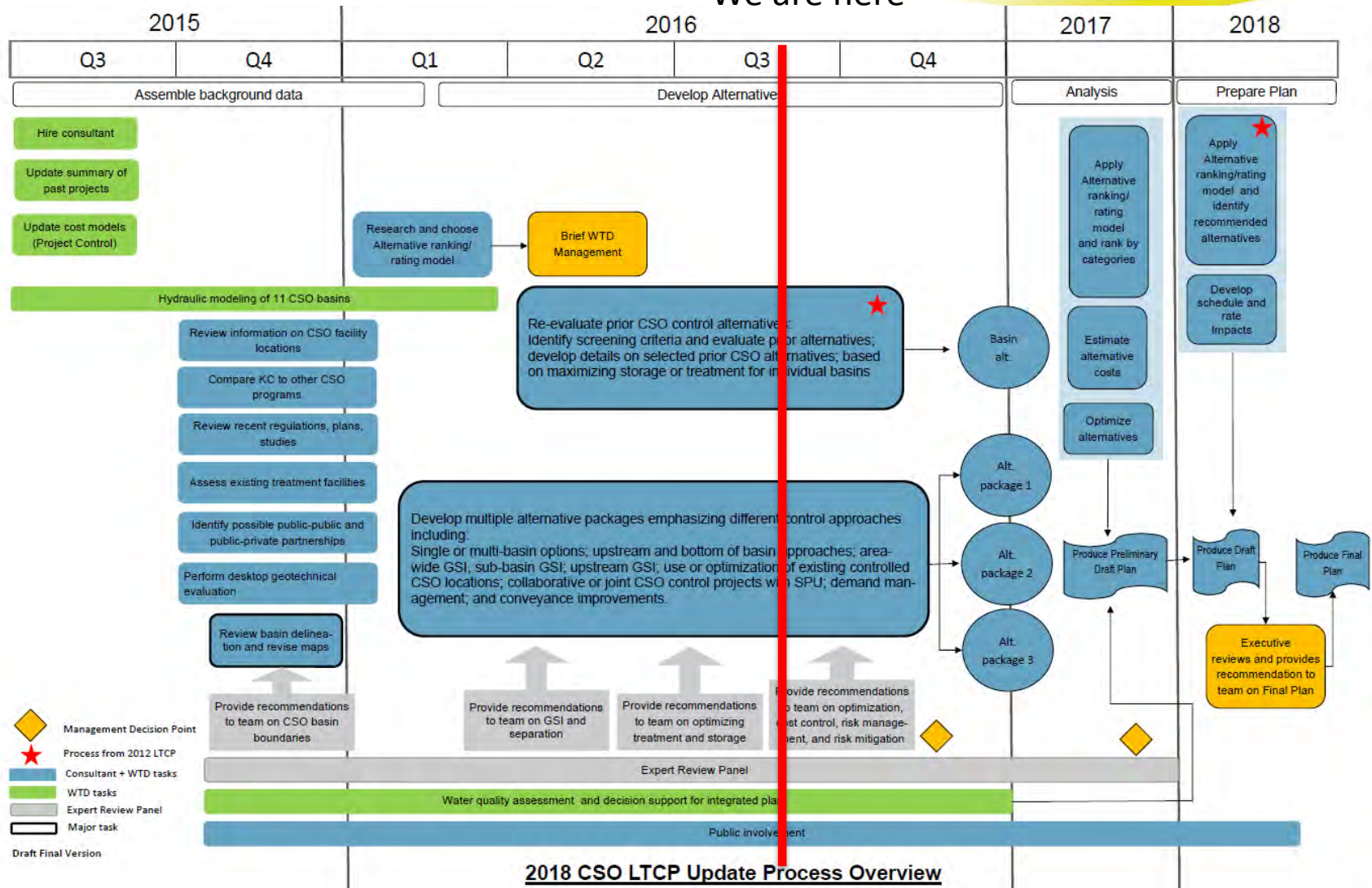


King County

Protecting Our Waters

Doing our part on rainy days

We are here





# Overview of 2018 CSO LTCP Update

**For 10 uncontrolled CSO locations remaining in 2018:**

- **Assemble background information**
- **Develop and analyze alternatives**
- **Coordinate with SPU**
- **Public Involvement throughout**
- **Consider Integrated Plan option**



## Factors Affecting the 2018 CSO LTCP Update

- **Consent Decree**
- **Expert Review Panel**
- **Past and future SPU capital projects**
- **Impacts of climate change**
- **Use of Green Stormwater Infrastructure**
- **2013 and 2014 County audit recommendations**
- **Water Quality Assessment and Monitoring Study**



King County

Protecting Our Waters

*Doing our part on rainy days*

# Questions?

**For more information, please contact:**

John Phillips, CSO Program Lead, 206-477-5489 or  
[john.phillips@kingcounty.gov](mailto:john.phillips@kingcounty.gov)