

Welcome!

- 💧 Tonight is the scoping meeting for the project SEPA Environmental Impact Statement.
- 💧 Scoping is the first step in the EIS process
- 💧 The purpose of scoping is to determine the range or “scope” of issues to study in the EIS.

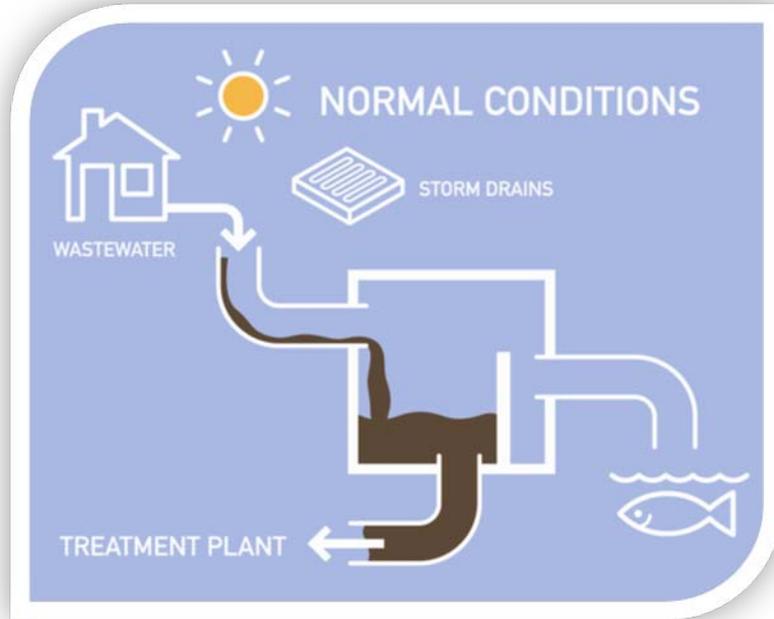
Tonight's Agenda

- Tonight is an open house – you will have the opportunity to:
 - Learn about CSOs and Basin 44
 - Learn about the environmental review process
 - View visualizations of the project alternatives, before during and after construction
 - Submit comments and sign up for electronic updates
 - Site visits available – meet at the sign in table

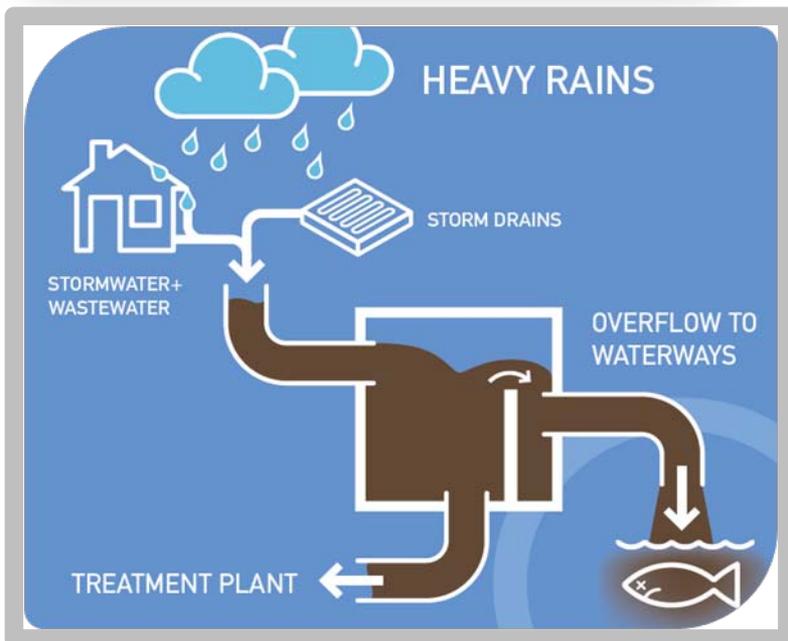
What is the Project?

- 💧 The Seward Park (Basin 44) Combined Sewer Overflow Project will reduce combined sewer overflows that overflow into Lake Washington near Seward Park.
- 💧 SPU proposes to construct an underground storage facility in Seward Park to temporarily hold combined sewage and stormwater runoff.

What is a Combined Sewer Overflow?

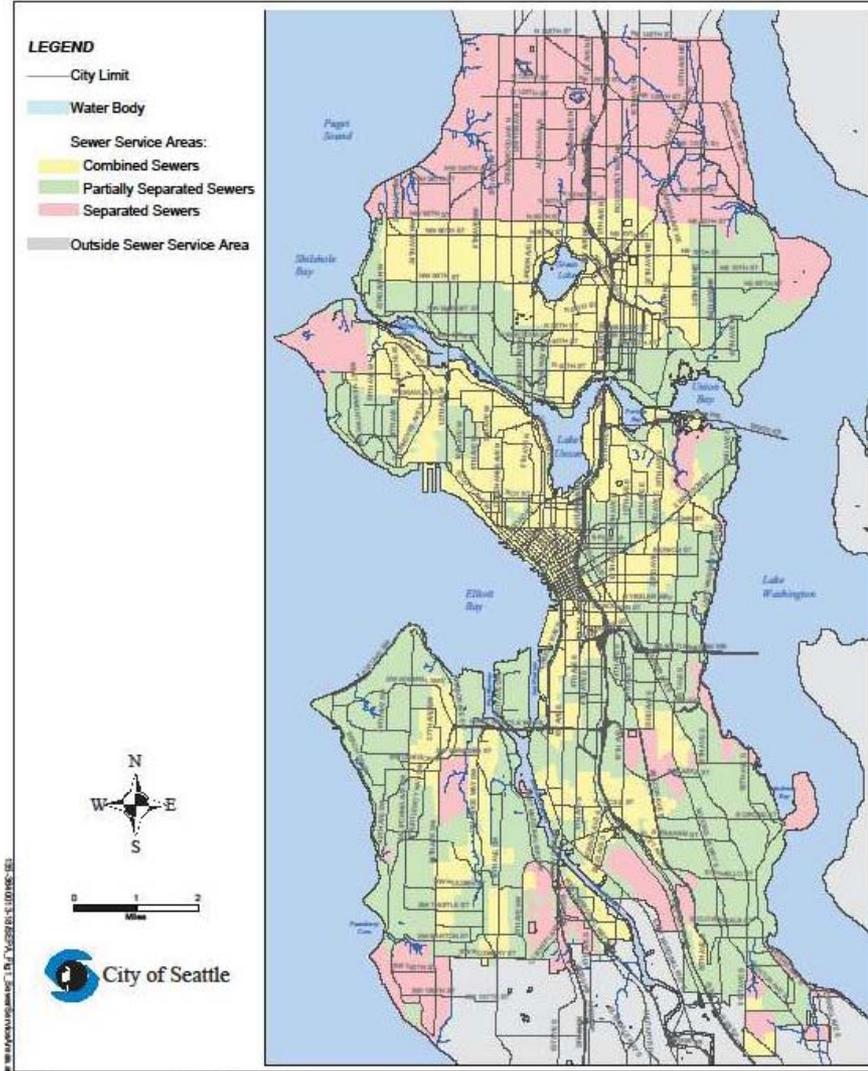


- Wastewater (from homes) and stormwater (from rooftops, streets) flow in a single pipe - a “combined sewer.”



- During heavy rains, stormwater (90% of volume) and sewage (10% of volume) exceed the system, causing a combined sewer overflow (CSO) into nearest waterway.

A look at Seattle's sewer system



- 2/3 of Seattle has a combined or partially separated sewer system
- 1/3 has a separated sewer system
- The CSO reduction program addresses the combined or partially separated system portion of Seattle's system.

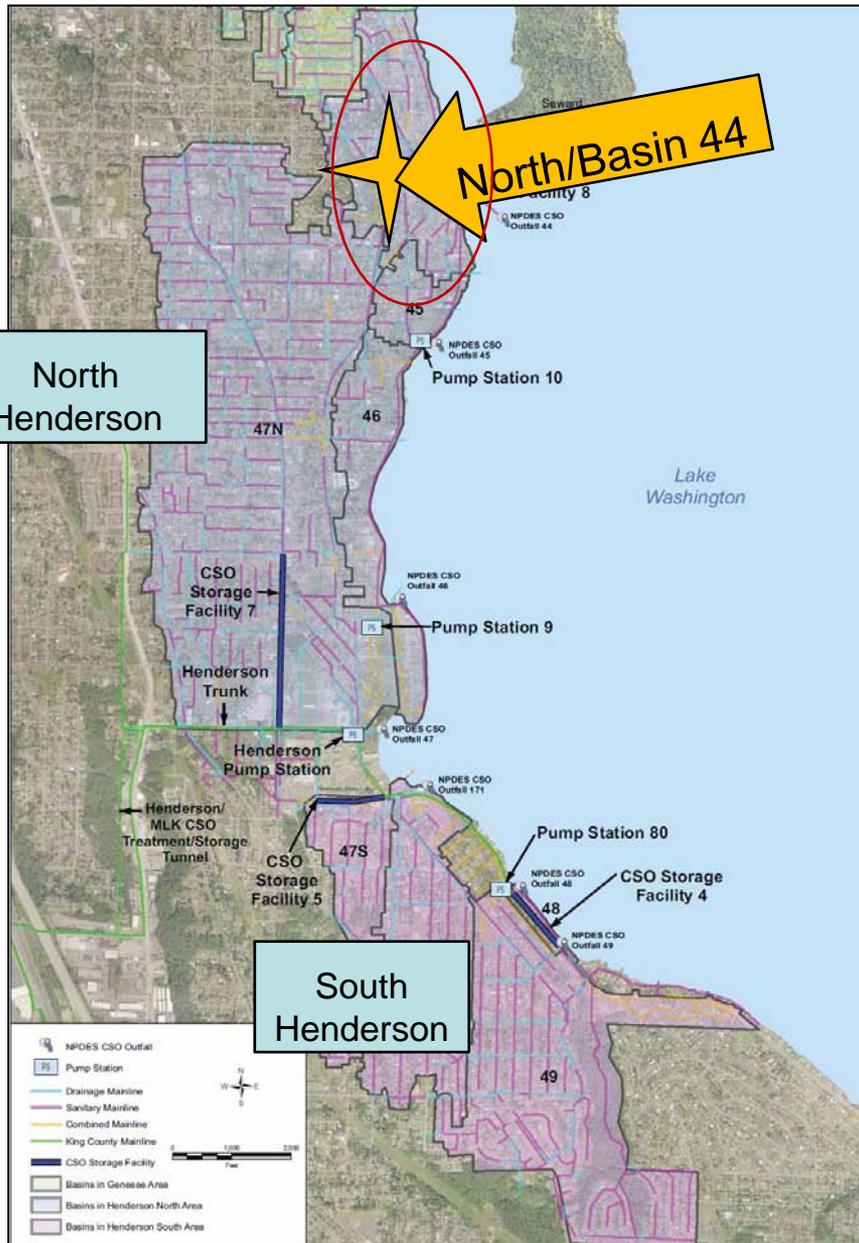
Some History

- CSO reduction is the latest in a history of improvements to the City's sewer system over time:
 - Majority of sewer lines in Basin 44 were constructed in the 1910s and 1920s, and raw sewage discharged directly into Lake Washington.
 - Seward Park Trunk Sewer, Pump Station #10 and #9 were constructed in the 1930s
 - Partial separation (i.e. installation of new storm drains to collect street drainage) was done in the 1970s
 - Sewage from Basin 44 and adjacent Basin 45 currently flows southwards to a King County pump station on Henderson Street.

CSO Reduction Program Goals

- SPU is addressing CSOs in order to:
 - Comply with Clean Water Act, state and federal regulations
 - Reduce CSOs to an average of no more than one overflow per site per year. By comparison, in 2010:
 - 16 overflows occurred in Seward Park (Basin 44) discharging 9.9 million gallons of overflow into Lake Washington
 - 339 CSO events occurred discharging 190 million gallons of overflow
 - Improve water quality
 - Finish historic effort
 - Minimize rate impacts
 - Partner for cost effective solutions

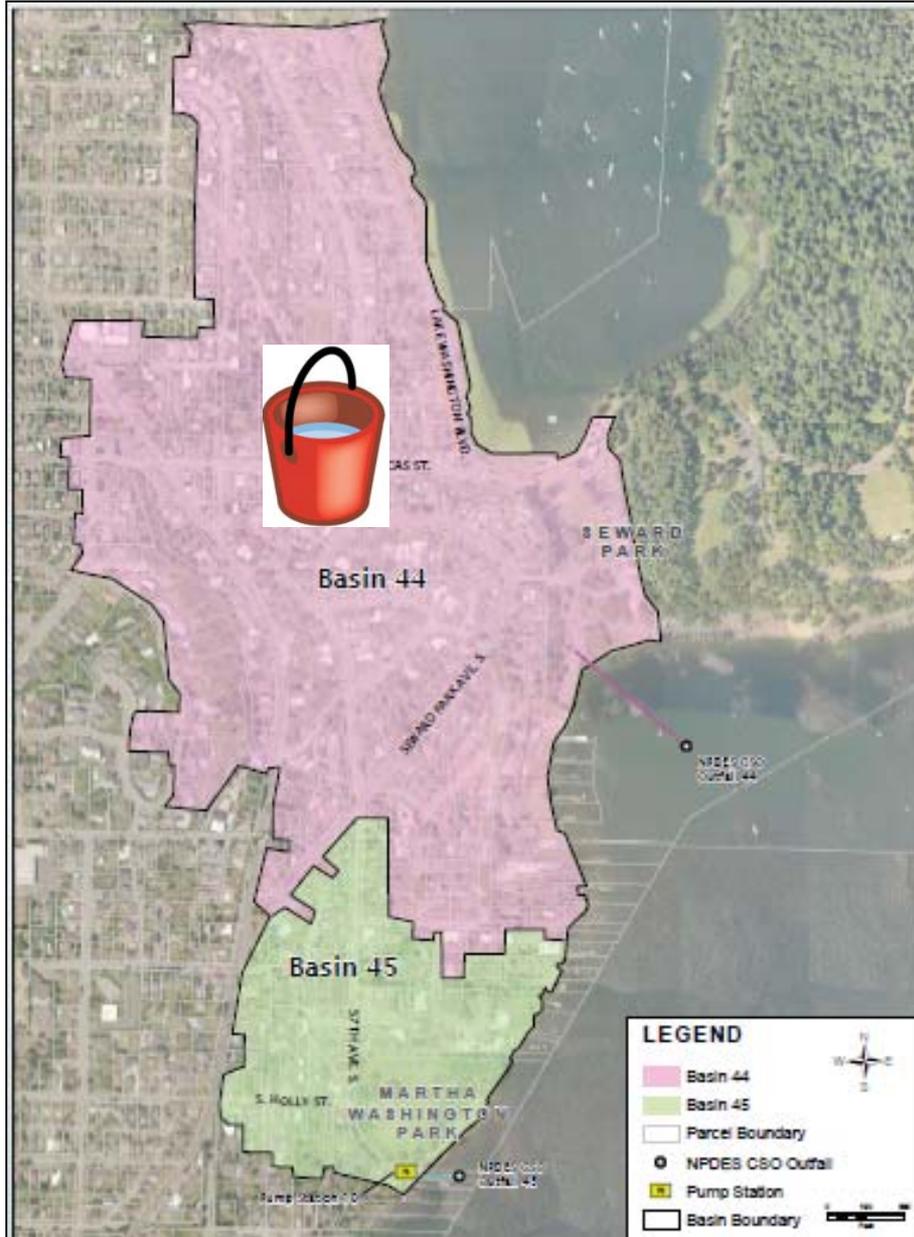
Henderson CSO Basins



- 💧 Top-priority for CSO reduction
- 💧 Covers 1,800 Acres
- 💧 Includes 7 basins
- 💧 CSOs discharge approximately 12-16 times per year
- 💧 Construction projects to reduce CSOs must begin in 2015
- 💧 **Our focus tonight is Basin 44, near Seward Park**

Storage is Preferred Solution

- SPU identified storage as the best way to reduce overflows near Seward Park.
- Storage adds capacity to the existing system to help prevent CSOs.
- When there is capacity available, the facility would gradually send flows to the downstream sewer system for treatment and discharge



Real-time CSO overflow information at: www.kingcounty.gov/CSOStatus

Overview map -- combined sewer overflow (CSO) status in the Seattle area

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CSO status in the Seattle area

Overview map

NW Seattle

NE Seattle

SE Seattle

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Site map

This site is a joint effort by King County and the City of Seattle.

For questions about the King County CSO Control Program, please contact Karen Huber.

For questions about the City of Seattle CSO Control Plan, please contact spucso@seattle.gov.

What's happening in your waterway?
Current information to inform your choices.



Overview map -- click on region to view detail map



King County and the City of Seattle are piloting this website to inform the public when and where CSOs are occurring or have recently occurred. The purpose is to give the public information so that the public may make informed decisions about where and how to use our local waters. CSOs usually discharge in the winter between October and May, but may discharge during very intense rainfall in the summer and early fall. During the discharge and

Seattle CSO information at: www.seattle.gov/CSO



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Ray Hoffman, Director

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Combined Sewer Overflow

New! [Real-time reports of raw sewage overflows](#)
(updated hourly)

After decades of urbanization, the quality of our lakes, rivers and Puget Sound is threatened by urban runoff and the limitations of a 100-year-old drainage system.

Read the plan to clean up our waterways over the next five years [2010 – 2015 Plan](#) (pdf)

During heavy rains, the combination of stormwater

(about 90 percent of the volume) and sewage may exceed the capacity of the drainage system and overflow into our waterways – causing a combined sewer overflow (CSO)

See [map of locations](#) (pdf). Annual overflows have been reduced from 30 billion gallons per year in 1970 to less than 100 million gallons per year typically today.

But we must finish the job in order to protect Seattle's waterways and comply with the [Clean Water Act](#).

Seattle is now working on a [Long-term Control Plan](#) and beginning several projects to control the remaining overflows.



Seattle waterways will benefit from upcoming projects to slow the flow of stormwater runoff. [2010 – 2015 Plan](#) (pdf)

Contact Information

Join our listserv to receive project updates
(sign-up in back)

**PLEASE SEND US YOUR COMMENTS
AND QUESTIONS:**

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www.seattle.gov/CSO/NorthHenderson

For interpretation services please call (206) 826-4767

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如需要口譯服務，請撥電話號碼 (206) 826-4767