

2020 Combined Sewer Overflow Annual Snapshot

King County's combined sewer system protects people and the environment by transporting and treating stormwater and sewage. We are committed to controlling combined sewer overflows (CSOs) caused by heavy rains in accordance with state law. We accomplish this by building infrastructure to manage the flows, using green stormwater infrastructure (GSI) to keep excess water out, and coordinating with Seattle Public Utilities.

CSO Outfalls

Combined sewer overflows (CSOs) are relief points in sewer systems that carry sewage and stormwater in the same pipe. When heavy rains fill the pipes, CSOs release sewage and stormwater into local water bodies to prevent sewage backups into homes and businesses. King County is committed to reducing the amount of overflows at each of our CSOs to no more than one per year over a long-term average.

CSO OUTFALLS

- Controlled
- M Monitoring to Ensure Compliance - Project Completed
- Uncontrolled - Project Under Construction
- Uncontrolled - Project Planned
- ★ Wastewater Treatment Plant
- ▲ Wet Weather Treatment Station

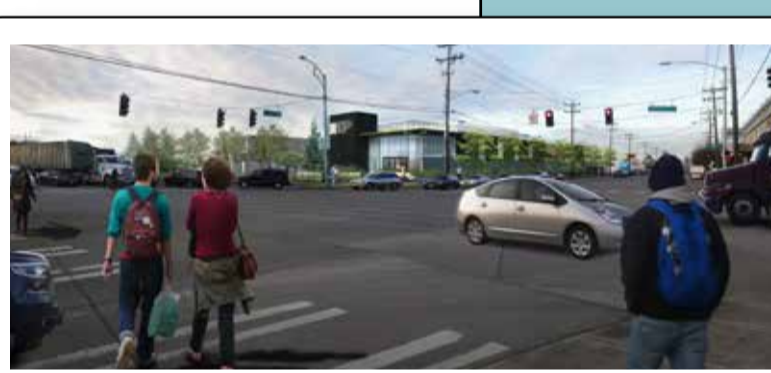
Monitoring and Supplemental Compliance Plans (SCP)

King County monitors controlled CSOs to make sure they are performing as they should. If we find a problem, we outline the additional steps we will take in a Supplemental Compliance Plan (SCP). We keep monitoring as we make changes.



The Ship Canal Water Quality Project is a joint effort between King County and Seattle Public Utilities. An underground storage tunnel is being built to hold stormwater and sewage until there is room to send it to the West Point Treatment Plant. This project will significantly reduce the amount of polluted stormwater and sewage that flows into the Lake Washington Ship Canal, Salmon Bay, and Lake Union. The project will capture and store 29 million gallons of untreated stormwater and sewage during heavy rains. It will control four CSO outfalls for the City of Seattle and two King County outfalls at 3rd Ave W and 11th Ave NW.

Construction will be complete in 2025.



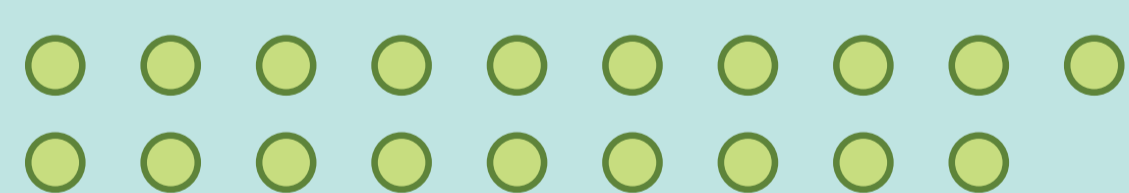
The Georgetown Wet Weather Treatment Station is a \$275 million CSO control facility that will treat up to 70M gallons per day of sewage and stormwater to protect the Lower Duwamish Waterway. It will control two King County CSO outfalls: Brandon and South Michigan.

Construction will be complete in 2022.

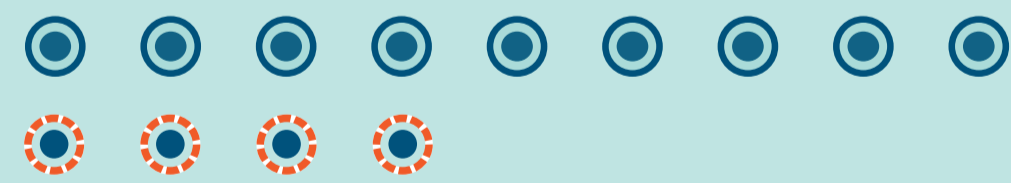
2020 CSO Outfall Statistics

39 King County CSO Outfalls

19 CONTROLLED OUTFALLS



13 UNCONTROLLED OUTFALLS



7 OUTFALLS BEING MONITORED



We treated **32,133 million gallons**

OF FLOW IN THE COMBINED SYSTEM IN 2020, WE ESTIMATE THAT 20% OF THAT IS STORMWATER DIRECTLY ROUTED INTO OUR SYSTEM

We discharged **1,144 million gallons**

OF UNTREATED FLOW FROM THE COMBINED SYSTEM IN 2020. WE ESTIMATE THAT 90% OF THIS IS STORMWATER THAT FILLS THE SYSTEM ON RAINY DAYS.

2020 RainWise Program Accomplishments

The RainWise program provides rebates to homeowners living in specific combined sewer areas for installing rain gardens and cisterns on their property. King County has administered this program in partnership with SPU since 2010. We continued to make progress in 2020 working with property owners to capture stormwater before it enters the combined system.

