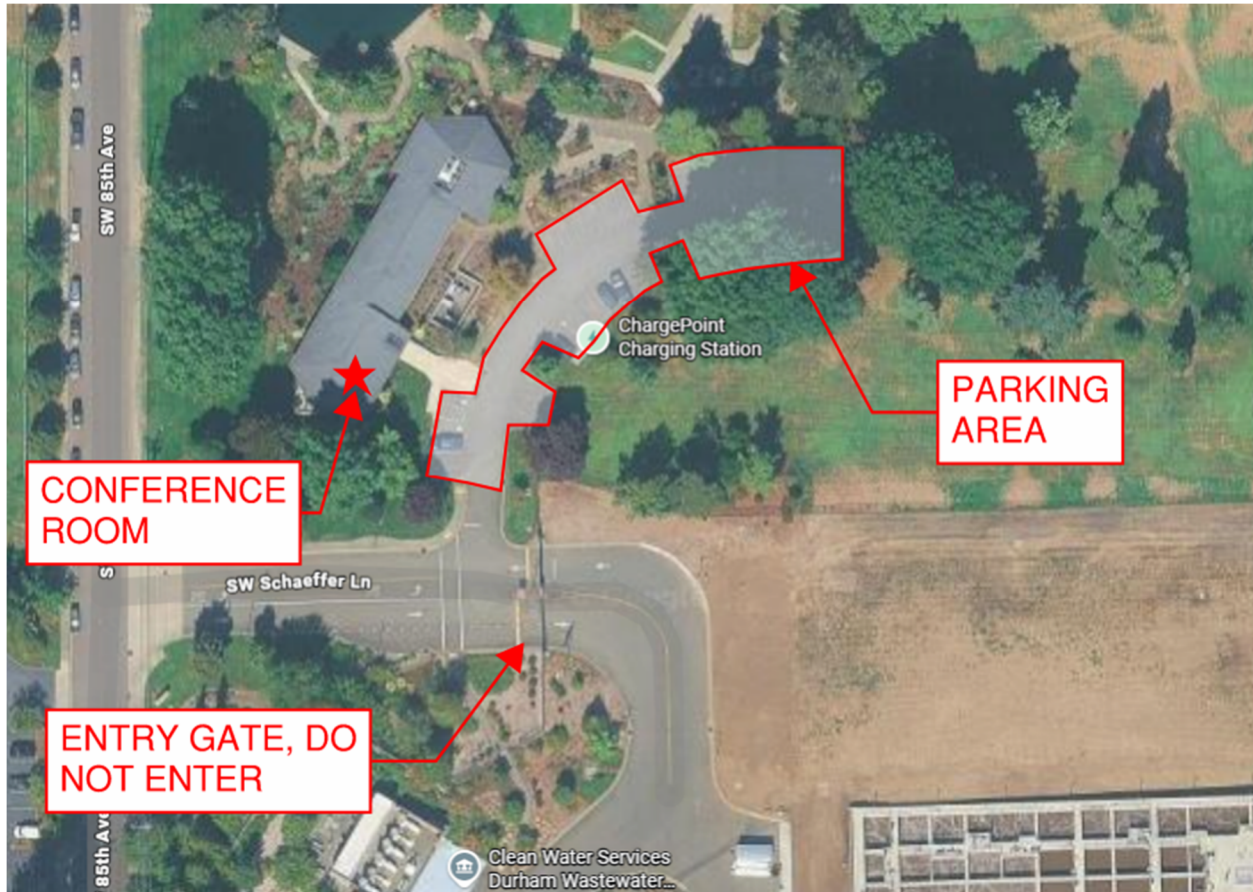


BES Fanno Basin & SE 86th Avenue Pump Station (86PS) Tour

When: March 11th, 2026, 1:00 pm – 3:00 pm

Where: 16060 SW 85th Avenue, Tigard, OR



Who: The tour is hosted by Portland Bureau of Environmental Services, Clean Water Services, and the Lower Columbia Section of PNCWA.

Tour Details:

Join us for an in-depth tour of the Fanno Basin Pumping System (FBPS), a critical component of the City of Portland's wastewater conveyance infrastructure. This system plays a vital role in protecting public health, maintaining regulatory compliance, and ensuring reliable wastewater transport to the Columbia Boulevard Wastewater Treatment Plant.

The primary operating goal of the Fanno Basin Pumping System is to capture and convey up to 30.5 million gallons per day (47 cubic feet per second) of gravity flow from the Fanno Creek Interceptor to the treatment plant. During the tour, participants will learn how the system strategically utilizes the SW 86th Avenue Pump Station (86PS) to manage base flows, while the Fanno Basin (FABA) Pump Station provides additional capacity during peak wet-weather

conditions. Together, these facilities ensure continuous, reliable conveyance while minimizing the risk of system surcharging and overflows.

The tour will highlight how flows are managed from diversion structure ANM802 through the Fanno Lake Control Structure, where influent is distributed between 86PS and FAB A based on system demand. Participants will gain insight into emergency flow routing protocols, coordination requirements with Clean Water Services (CWS), and the operational safeguards that protect both Portland and regional sewer systems.

Attendees will also learn about the dual 30-inch force main system (Lines A and B), surge protection infrastructure, and the downstream conveyance path to the Burlingame Trunk and ultimately the Columbia Boulevard Wastewater Treatment Plant. The importance of proper force main operation, pressure management, and odor control—including the Taylors Ferry Ventilation facility—will be discussed.

The tour and presentation will provide historical context on the evolution of the system, including major upgrades completed between 2000 and 2017 that improved capacity, resiliency, and compliance with regulatory requirements. These improvements now allow the system to capture and pump 100% of sewage flows generated by up to a five-year storm event. This tour and technical presentation offers a comprehensive look at regional interagency coordination, wet-weather flow management, pump station operations, surge protection, and the infrastructure investments that support long-term wastewater system reliability.

