

## Gresham Wastewater Treatment Plant Tour

**When:** Thursday, December 5<sup>th</sup>, 2024, 1:00 pm – 3:00 pm

**Where:** 20015 NE Sandy Boulevard, Portland, OR, 97230

**Who:** The tour will be hosted by PNCWA's Lower Columbia Section and will be led by Jacob Corum, EI, with the City of Gresham WWTP

### Agenda:

1:00 pm – 1:10 pm	Introductions and Plant Background
1:10 pm – 1:35 pm	Thickener Building
1:40 pm – 2:05 pm	Solids Building
2:10 pm – 2:40 pm	Digester Building
2:45 pm – 3:00 pm	Questions and Tour Wrap-up

### Tour Details:

The Gresham WWTP tour will begin at 1:00 pm and focus primarily on the Thickener Building, Solids Building, Digester Building, and Solar Array:

- Thickener Building – Formerly gravity thickeners, this structure was mothballed in the 1980s and reclaimed as office space in the early 2010s. The building is LEED certified.
- Solids Building – Houses sludge thickening and digestate dewatering equipment. The WWTP recently completed replacement of 33-year-old gravity belt thickeners with rotary drum thickeners and is in the design phase of replacing similarly aged belt filter presses with centrifuges.
- Digester Building – The Digester Building is the process area for FOG receiving, biogas treatment, and cogeneration. The processes in this building provide the WWTP with electrical net-zero capabilities with 30,000 gallons of FOG storage, capacity to remove H<sub>2</sub>S, moisture, and siloxanes from the biogas, and two 400kW CHP engines.

Attendees will meet at the Thickener Building for lunch ahead of the tour and regroup there following the tour.

