



PNCWA Sustainability and Biosolids Webinar Series

Title: *Powering Sustainability: Onsite Energy Innovations for Wastewater Treatment*

Date: April 17, 2025

Time: 11:00 AM – 12:00 PM

Description: *Join us for an engaging webinar that explores the role of onsite energy technologies in wastewater treatment plants. As critical infrastructure facilities, wastewater plants require reliable energy solutions to support their operations while meeting environmental goals. This session will highlight innovative applications such as combined heat and power (CHP), biogas utilization, and solar energy integration. Our experts will share real-world case studies, discuss best practices, and provide actionable insights for facility managers, engineers, and sustainability professionals looking to reduce operational costs and achieve net-zero carbon goals.*

Agenda:

- 11:00 AM -Introduction
- 11:05 AM – Presentation
- 11:45 AM – Q&A Session

Presenter:

Name: Randy Thorn, PE

Company: WSU Energy Program

Position: Senior Engineer

Email: ThornR@energy.wsu.edu

Bio: Randy Thorn is a Senior Engineer with Washington State University's Energy Program where he supports the Department of Energy's Onsite Energy Technical Assistance Partnership (Onsite TAP) program. Randy joined WSU's energy program in 2022. He brings a combination of 25 years of power generation experience in coal fired and natural gas fired power plants and 17 years of experience in industrial energy efficiency. Randy holds a Bachelor's Degree in Mechanical

Engineering from Oregon Institute of Technology and a Master of Business Administration from Pacific Lutheran University. He is a registered Professional Engineer and a Certified Energy Manager.

Presenter:

Name: Chelsea Edgecombe

Company: US DOE Northwest Onsite Energy Program

Position: Assistant Director

Email: edgecombec@energy.wsu.edu

Bio: Chelsea is a Project Coordinator at the Washington State University Energy Program and the Assistant Director for the US DOE Northwest Onsite Energy Program. Chelsea specializes in supporting large energy users with onsite energy projects through no-cost technical assistance. Since entering the energy space in 2022, she has been dedicated to advancing sustainable energy solutions in the Northwest.