

**CEU Evaluation Request
(3 hours – Water & Wastewater)**

Class: **Pumps and Pumping**

Relevancy: Water and Wastewater

Date: Various, Recurring dates

Location: Various

Instructor: Oregon Association of Water Utilities

Description: This three-hour course will describe in detail the types of pumps used in the Water and Wastewater fields. It will cover the types of pumps used for different applications, their efficiencies, what types of maintenance these pumps require and basic Water and Wastewater system hydraulics.

1:00 pm - 2:00 pm (0.1)

Introduction to Pumps for Water and Wastewater Applications

- Discuss the types of pumps used in Water and Wastewater systems.
- Describe the operations of these pumps given their specific application.

2:00 pm - 2:15 pm Break

2:15 pm - 4:15 pm (0.2)

Pump Technology

- Different types of electrical motors used and the control systems to operate them.
- How to improve your pump efficiencies given the specific application and installation in your Water and Wastewater system.
- Maintenance of the electric motors to insure long life
- The importance of keeping accurate records for installation and maintenance for your Water and Wastewater system pumps.
- Hydraulics and its roll in your Water and Wastewater system operations.
- Water and Wastewater pumps questions and answers roundtable.