Portland General Electric is sponsoring a one-day Water/Wastewater Pump Systems Optimization course. Hosted by Clean Water Services, this course will help you identify and reduce hidden operational and energy costs in your pumping systems.

When not optimized for best efficiency, pump systems drain maintenance budgets, increase energy costs and shorten mean time between repairs. The bottom line: optimized pump systems are more energy efficient, reliable and cost effective to plant operations.

In addition to focusing on energy-efficiency tactics, this course covers pump system assessment that will help you identify problematic areas for greatest improvement.

This accredited course was developed by the Hydraulic Institute and Pump Systems Matter, a non-profit educational foundation established to educate the marketplace and promote pump systems energy efficiency.

Who will benefit?
Operations, maintenance and engineering staff of municipalities and businesses that operate water/wastewater pumps.

Each course participant receives:
- PSMART (Pump System Modeling Tool)
- LCC Calculator Tool
- System Efficiency/Friction Loss Spread Sheet (Tool)
- Completion certificate with 7 PDH credits from HI
- Valve Tool
- Variable Frequency Drive / Motor Selection/ Application Guide
- Wire to Water Calculator / Spreadsheet
- Parallel Pumping Calculator / Spreadsheet
- Speed Change Calculator / Spreadsheet
- Heat Exchanger Circulating Water Pump Spreadsheet / Calculator
- Optimizing Pumping Systems Guidebook (retail value $205)

Important Information:
Registration: www.EnergyEducationCenter.com
Cost: Free to PGE customers
Date: Thursday, May 26, 2016
Time: 7:30am – 4:00pm (check-in: 7:00am)
Course Location: Clean Water Services, 16580 SW 85th Ave., Tigard, OR 97224
Email: Email PGE.Seminars@pgn.com or call 503-464-2931

About the Presenter:
William C. Livoti, Business Development Manager, Power Generation, WEG Electric Corporation

Over 40 years of experience in the pump industry designing, field testing, repairing and troubleshooting mechanical seals, compressors and pumping systems. William has worked for several pump and mechanical seal OEM’s as well as Corporate Principal Engineer for Balance of Plant equipment at a large power utility company where among other responsibilities he was accountable for asset management, life cycle performance, system assessment, failure analysis, plant efficiency, O&M and capital budget. Mr. Livoti has co-authored two books with the Hydraulic Institute, Pumps System Optimization Guide Lines and Power Plant Pump Application Guide Lines. William is an active member of Vibration Institute, IEEE Power Engineering Society and Electric Power Research Institute Large Electric Motor Users Group.